2022

PHARMA BULLET
ALL PHARMACIST EXAM PREPARATION
by MANISH

PHARMACIST EXAMS

PHARMACY OFFICER

औषध निर्माण अधिकारी

30 PRACTICE TEST PAPERS

3000 EXAM SPECIFIC MCQS

EXAM TARGETED SHORT NOTES FOR RAPID REVISION

IMP. FOR ALL GOVERNMENT EXAMS

Z.P.| RRB | ESIC | SSC | CGHS | SBI | NHM | NRHM | ISRO | आरोग्य विभाग भरती **ETC.**

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PHARMACIST EXAM BOOKLET CONTAINS :

PART – 1 : IMPORTANT CLASSIFICATIONS AND SHORT NOTES FOR RAPID REVISION

PART – 2 : 30 PRACTICE TEST PAPERS

TOTAL 3000 MCQS IMPORTANT FOR ALL STATE GOVERNMENT PHARMACIST EXAMS

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CAPSULE NUMBER AND ITS APPOX. CAPACITY

CAPSULE NUMBER	APPROX. CAPACITY IN MG	APPROX. CAPACITY IN ML
000 (LARGEST)	950	1.37
00	650	0.95
0	450	0.68
1	300	0.50
2	250	0.37
3	200	0.30
4	150	0.21
5 (SMALLEST)	100	0.13

GRADE OF POWDER

Grade of powder	Sieve Number
Coarse powder	10
Moderately coarse powder	22
Moderately fine powder	44
Fine powder	85
Very fine powder	120

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Indian Pharmacopoeias Editions

EDITION	YEAR
1st (I)	1955
2nd (II)	1966
3rd (III)	1985
4th (IV)	1996
5th (V)	2007
6th (VI)	2010
7th (VII)	2014
8th (VIII)	2018

H.L.B RANGES

H.L.B. RANGE	APPLICATION
0 - 3	Antifoaming agents
3 - 6	Emulsifying agent (W/ O)
7 - 9	Wetting agent
8 - 18	Emulsifying agent (O/W)
13 - 15	Detergent
15 - 18	Solubilising agent

DRUGS USED IN GOUT

ACUTE GOUT -	Colchicine NSAIDS Corticosteroids
CHRONIC GOUT – 1. Uricosurics –	Probenecid Sulfinpyrazone
2. Synthesis inhibitor -	Allopurinol (xanthine oxidase inhibitor)

TYPES OF LICENCES FOR SALE

FORM NO.	PURPOSE	APPLICATION NO.
Form 20	Licence to sell,stock (or) exhibit for sale(or) distribute drugs by retail other than schedule C and C-1	**Form - 19**
Form 20-A	Restricted licence for sale of restricted drugs by retail other than specified in sch.C and C-1	**Form - 19A**
Form 21	Licence for retail sale of drugs specified in sch. C and C-1	**Form - 19**
Form 21-A	Licence for retail sale of restricted drugs specified in sch. C -1	**Form - 19A**
Form 20-B	Licence to sell,stock(or) exhibit for sale ,(or) distribute by whole sale,drugs other than specified in sch. C and C-1	**Form -19**
Form 21-B	Licence for wholesale of drugs specified in sch. C and C-1	**Form - 19**
Form 20-C	Licence for sale of homeopathic medicines by retail	**Form - 19B**
Form 20-D	Licence for sale of homeopathic medicines by wholesale	**Form - 19B**
Form 20-F	Licence for retail sale of drugs specified in sch. X	**Form - 19C**

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SIZE REDUCTION MILLS AND THEIR WORKING PRINCIPLE

MILL	WORKING PRINCIPLE
Cutter mill	Cutting
Hammer mill	Impact
Roller mill	Compression
Disintegrator	Impact
Ball mill	Impact and attrition
Fluid energy mill	Impact and attrition
Edge runner mill	Crushing and shearing

SOLUBILITY

DESCRIPTIVE TERM	APPROX. VOLUME OF SOLVENT IN ML/MG OF SOLUTE
Very soluble	Less than 1
Freely soluble	1 to 10
Soluble	10 to 30
Sparingly soluble	30 to 100
Slightly soluble	100 to 1000
Very slightly soluble	1000 to 10,000
Insoluble	More than 10,000

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POISONS AND THEIR ANTIDOTES

Poisoning	Antidote
Paracetamol	N – acetylcysteine
Warfarin	Vitamin K
Heparin	Protamine
Alcohols (ethylene glycol,methanol)	Ethanol , Fomepizol
Benzodiazepines	Flumazenil
Cyanide	Sodium nitrite , sodium thiosulphate
Digoxin	Digibind
Iron	Deferoxamine
Isoniazid	Pyridoxine
Lead	EDTA , Dimercaprol (BAL)
Opiates	Naloxone, nalmefene
Organophosphates	Atropine , Pralidoxamine
Atropine	Physostigmine

ESSENTIAL AND NON-ESSENTIAL AMINO ACIDS

ESSENTIAL	NON-ESSENTIAL
ARGININE	ARGININE
LEUCINE	ALANINE
LYSINE	ASPARGINE
ISOLEUCINE	GLUTAMINE
HISTIDINE (Semi Essential)	GLUTAMIC ACID
METHIONINE (Sulphur containing)	CYSTEINE (Sulphur containing)
THREONINE	GLYCINE
TRYPTOPHAN	PROLINE
PHENYLALANINE	SERINE
VALINE	TYROSINE

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VITAMINS

VITAMIN	DEFICIENCY
FAT SOLUBLE	
Vit. A (Retinol)	Night blindness
Vit. D (Calciferol)	Rickets (in children) Osteomalacia (In adult)
Vit. E (Tocoferol)	Sterility
Vit. K (phylloquinone)	Haemorrhage
WATER SOLUBLE	
Vit. B1(Thiamine)	Beriberi
Vit. B2(Riboflavin)	Cheilosis , Glossitis
Vit. B3 (Nicotinic acid / Niacin)	Pellagra
Vit. B5 (pantothenic acid)	Alopecia
Vit. B6 (pyridoxine)	Vomiting in pregnancy Convulsions in children.
Folic acid	Megaloblastic anaemia Pernicious anaemia
Biotin (vit. H)	Dermatitis
Vit. B12 (cynocobalamin)	Pernicious anaemia
Vit. C (ascorbic acid)	Scurvy

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Disease and Causative Agent

DISEASE	CAUSATIVE AGENT
Chicken pox	Varicella zoster
Influenza	Haemophilus influenza
Diphtheria	Corynebacterium diptheriae
Whooping cough (pertussis)	Bordetella pertussis
Tuberculosis	Mycobacterium tuberculosis
Leprosy	Mycobacterium leprae
Filariasis	Wuchereria bancrofti
Tetanus	Clostridium tetani
Gonorrhoea	Neisseria Gonorrhea
Typhoid fever (enteric fever)	Salmonella typhi
Syphilis	Treponema pallidum
Malaria	Plasmodium vivax Plasmodium ovale Plasmodium flaciparum Plasmodium malariae
Plague	Yersinia pestis
Cholera	Vibrio cholerae
Polio myelitis	Polio virus
Small pox	Variola virus

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CEPHALOSPORIN CLASSIFICATION

1ST GENERATION	Cefazolin Cefaloridine Cephalaxin Cefalothin Cefadoxil Cephradine
2nd GENERATION	Cefaclor Cefuroxime
3rd GENERATION	Cefexime Ceftazidime Cefotaxime Ceftizoxime Cefpodoxime Ceftriaxone Cefoperazone Ceftibuten Cefdinir Moxalactam
4th GENERATION	Cefepime Cefpirome
5th GENERATION	Ceftobiprole ceftaroline

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CHILD DOSE CALCULATIONS FORMULAE

Young's Rule (AGE BELOW 12 YEARS)	$\text{CHILD'S DOSE} = \frac{\text{Age in years}}{\text{Age in years} + 12} \times \text{Adult dose}$
Dilling's Rule (Age between 12 -20 years)	$\text{CHILD'S DOSE} = \frac{\text{Age in years}}{20} \times \text{Adult dose}$
Fried's formula (Under 1 year)	$\text{CHILD'S DOSE} = \frac{\text{Age in months}}{150} \times \text{Adult dose}$
Clark's formula	$\text{CHILD'S DOSE} = \frac{\text{Child's weight (kg)}}{70} \times \text{Adult dose}$
Clark's formula	$\text{CHILD'S DOSE} = \frac{\text{Child's weight (pounds)}}{150} \times \text{Adult dose}$
Surface area method	$\text{CHILD'S DOSE} = \frac{\text{Surface area of child}}{\text{Surface area of adult}} \times \text{Adult dose}$

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CRANIAL NERVES

No.	Name	Function
I	Olfactory	Smell
II	Optic	Vision
III	Occulomotor	Pupil size
IV	Trochlear (Pathetic)	Movement of eye ball
V	Trigeminal	Sensation from face and scalp chewing
VI	Abducens	Movement of eye ball
VII	Facial	Taste,salivary secretion,facial expression
VIII	Auditory / vestibulo cochlear.	Hearing
IX	Glossopharyngeal	Taste,swallowing,salivary secretion
X	Vagus	Parasympathetic effects on the organs of thorax and abdomen (Digestion)
XI	Spinal accessory	Movement of head and shoulder , voice
XII	Hypoglossal	Tongue movement

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DISINTEGRATION TIME FOR TABLETS

TABLET	TIME
Uncoated tablet	15 minutes
Film coated tablet	30 minutes
Sugar coated tablet	60 minutes
Dispersible tablet	3 minutes
Effervescent tablet	5 minutes
Enteric coated tablet	2 – 3 hours

DISINTEGRATION TIME FOR CAPSULES

CAPSULE	TIME
Soft gelatin capsule	60 min.
Hard gelatin capsule	30 min.

TYPES OF STOMATA

Type of stomata	Example of crude drug
Paracytic / Rubiaceous	Coca , senna
Diacytic / caryophyllaceous	Vasaka , peppermint , spearmint
Anisocytic / cruciferous	Tropane alkaloids (Belladonna , datura) ,Vinka
Anomocytic / Rananculaceous	Clove,fennel,opium,digitalis,lobelia
Actinocytic	Pilocarpus

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IMPORTANT DRUGS AND THEIR SIDE EFFECTS

DRUG	SIDE EFFECT
Chloramphenicol	Grey baby syndrome
Aspirin	Reye's syndrome
Captopril	Dry cough
Vancomycin	Red man syndrome
Sulphonamides	Steven johnsons syndrome Kernicterus
Aminoglycosides	Ototoxicity
Tetracyclines	Discoloration of teeth
Cimetidine	Gynaecomastia
Cisplatin	Nephrotoxicity
Thalidomide	Phocomelia
Rifampicin	Urine discoloration
Doxorubicin & Duanorubicin	Cardiomyopathy
Penicillin	Jaurisch hexheimer reaction
Phenytoin	Gingival hyperplasia
Amiodarone	Blue baby syndrome
Carbamazepine	Aplastic anaemia
Indomethacin	Frontal headache
Morphine	Straubb's syndrome Pin point pupil

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DRUGS AND THEIR SYNONYMS

DRUG	SYNONYM
Asafoetida	Devil's dung
Atropa belladonna	Deadly night shade
Cinchona	Panama bark
Digitalis purpuria	Fox glove
Flax seed	Linseed
Lobelia	Indian tobacco
Lanolin	Wool fat
Vinca rosea	Periwinkle
Indian squill	Urgenia
Discoria	Wild yam
Nutmeg	Mygistica
Saffron	Crocus
Theobroma oil	Cocoa butter
Castor oil	Ricinus oil
Lipstick tree	Annato bixin
Nuxvomica	Crowfig seed
Indian tragacanth	Gum karaya
Ashwagandha	Withania somnifera
Plantago	Psyllium
Cascara	Sacred bark
Clove	Caryophyllum
Indian senna	Cassia angustifolia
Alexandrian senna	Cassia acutifolia
Indian senna	Tinevally senna
Dog senna	Cassia obovata

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Palthe senna	Cassia auriculata
Indian Rhubarb	Rheum emodi
Chinese Rhubarb	Rheum webbianum
Cape aloe	Aloe ferox
Curcao Aloe	Aloe barbadensis
Socotriene (or) zangibar Aloe	Aloe perryii
Starch	Amylum
Cinnamon	Chinese cassia
Colchicum	Autumn crocus,meadow saffron seeds

ACTS AND YEARS

YEAR	ACT
1940	Drug and cosmetic act
1948	Pharmacy act
1948	Factory act
1930	Dangerous drug act
1919	Poison act
1970	Indian patents act
1954	The drugs and magic remedies act
1955	Medical and toilet preparation
1971	Medical termination of pregnancy act
1994	New drug policy
1995	Drugs price control order
1985	Narcotic drugs and psychotropic substances act
1978	The opium act

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Glands and hormones secreted by them

Name of the gland	Hormone secreted
PITUITARY	
1. Anterior Pituitary	1. Growth Hormone 2. Prolactin 3. Thyrotropic hormone (TSH) 4. Follicle stimulating hormone (FSH) 5. Leutinizing hormone (LH) 6. Adreno corticotropic hormone (ACTH)
2. Posterior Pituitary	1. Oxytocin 2. Vasopressin
3. Intermediate Pituitary	Melanocyte Stimulating Hormone (MSH)
Thyroid gland	1. Tri - iodothyronin (T3) 2. Thyroxine (T4) 3. Calcitonin
Para thyroid	Parathormone
Pancreas	1. Insulin (Beta cells) 2. Glucagon (Alpha cells) 3. Somatostatin (Delta cells)
Adrenal gland	1. Glucocorticoids (Eg. Cortisone) 2. Mineralocorticoids (Eg. Aldosterone) 3. Sex steroids 4. Adrenaline
Testies	Testosterone
Ovaries	Progesterone

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IMPORTANT IDENTIFICATION TESTS

NAME OF TEST	IDENTIFICATION/ DETECTION
Baljet test	Cardiac glycosides
Keller killiani test	Presence of digitoxose sugar (Digitalis)
Kedde's test	Cardiac glycoside
Raymond’s test	Cardiac glycoside
Legal's test	Cardiac glycoside
Borntrager's test	Anthraquinone glycosides (O-glycoside)
Modified Borntrager's test	C- Glycosides
Molish test	Reducing sugars
Barford's test	Carbohydrates
Benedicts test	Reducing sugars
Borax test	Aloes
Seliwanoff's test	Ketohexoses
Biuret test	Proteins
Cupraloin test	Aloes
Klung's test	Aloes
Ninhydrin test	Alpha amino acids
Xanthoproteic	Aromatic amino acids (

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test	tyrosine,tryptophan,phenylalanine
Millon's test	Phenolic amino acids (tyrosine)
Nitroprusside reaction	Sulfahydril group (cysteine)
Pauly's test	Imidazole ring (Histidine)
Hopkins kole test	Indole ring (tryptophan)
Sulphur test	Sulfahydril group (cysteine)
Sakaguchi test	Guanidino group (arginine)
Fiehe's test	Detection of artificial invert sugar as adulterant in honey
Foam test	Saponins
Car price reaction	Vitamin A
Halphen's test	Detevtion of corton seed oil as an adulterant
Kries test	Rancidity of fats and oils
Murexide test	Caffeine
Shinoda test	Flavonoids
Gold beater's skin test	Tannins
Grignard’s reaction	Cyanogenetic glycosides
Liberman Burchard test	Steroids and terpenoids

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Salkowski test	Steroids and terpenoids
Vitali-morin test	Trapane alkaloids
Vanurk's test	Ergot alkaloids
Thalleoquin test	Cinchona alkaloids (Quinine)

JOINTS AND THEIR EXAMPLES

JOINT	EXAMPLES
Fibrous/ Immovable joints	1. Bones of skull 2. Teeth in the socket
Cartilagenous / slightly movable joints	1. Pubic joint 2. Inter vertebral joints
Synovial / freely movable joints	
1. Ball and socket joint	Hip joint Shoulder joint
2. Saddle joint	Thumb joint
3. Hinge joint	Elbow joint Knee joint
4. Pivot joint	Movement of head / neck
5. Gliding joint	Carpal (8) joint in hand Tarsal (7) joint in foot
6. Condyloid joint	Wrist joint

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DRUG	BIOLOGICAL SOURCE	FAMILY	USE
Aloe	Aloe barbadensis	Liliaceae	Purgative
Asafoetida	Ferula foetida	Umbellifereae	Carminative,antispasmodic, nerve tonic
Anise	Pimpinella anisum	Umbellifereae	Carminative Flavouring agent
Aconite	Aconitum napellus	Ranunculaceae	Analgesic Antipyretic
Ajowan	Trachyspermum ammi	Umbellifereae	Carminative Antispasmodic
Ashwagandha	Withania somnofera	Solanaceae	Aprodisiac Tonic,sedative in insomnia
Belladonna	Atropa belladonna	Solanaceae	Anticholinergic Antispasmodic,use In parkinsonism
Black mustard	Brassica nigra	Brassicacee	Irritant Emetic
Castor oil	Ricinus communis	Euphorbiaceae	Purgative
Fennel fruit	Foeniculum vulgare	Umbellifereae	Carminative Flavouring agent
Cardamom	Elettaria cardamomum	Zingiberaceae	Carminative Flavouring agent
Digitalis leaves	Digitalis purpuria	Scrophulariacea e	Cardiac tonic
Arjuna bark	Terminalia arjuna	Combretaceae	Cardiac tonic
Coriander	Coriandrum sativum	Umbellifereae	Carminative Flavouring agent
Clove	Eugenia caryophyllus	Myrtaceae	Antiseptic,carminative,flavouring agent,used in toothache
Nutmeg	Myristica fragrans	Myristicaceae	Carminative in diarrhoea
Nux vomica	Strychnus nux vomica	Loganiaceae	Spinal cord stimulatant bitter stomachic
Ephedra (Ma-haung)	Ephedra sinica Ephedra equisenita	Gnetaceae	Bronchial asthama Mydriatic Nasal decongestant
Rhubarb	Rheum Emodi	Polygonaceae	Purgative

	Rheum webbianum		Stomachic
Ginger rhizome	Zingibar officinale	Zingiberaceae	Spice ,aromatic carminative
Ispagol	Plantago ovata	Plantaginaceae	Used in amoebic dysentery, diarrhoea
Alexandrian senna	Cassia acutifolia	Leguminoceae	Purgative
Indian senna(Tinnevally senna)	Cassia angustifolia	Leguminoceae	Purgative
Cinnamon bark (Dalchini)	Cinnamomum Zeylanicum	Lauraceae	Carminative,stomachic,flavouring agent
Cannabis (indian hemp)	Cannabis sativa	Cannabinaceae	Narcotic analgesic , sedative
Opium	Papaver somniferum	Papaveraceae	Narcotic analgesic,cough suppresant
Vasaka	Adhatoda vasica	Acanthaceae	Expectorant bronchodilator
Tulsi (sacred basil)	Ocimum santum	Labiateae	Antibacterial,stimulant,expectorant,carminative,flavouring agent
Vinca (peri winkle)	Catharanthus roseus	Apocynaceae	Anti-cancer
Gokharu	Tribulus terrestris	Zygophyllaceae	Diuretic
Gymnema	Gymnema sylvestre	Asclepidaceae	Antidibetic,laxative Diuretic
Ergot	Claviceps pupurea	Clavipitaceae	Oxytocic agent
Garlic	Allium sativum	Lilliaceae	Antiseptic Used in hypertension
Rauwolfia	Rauwolfia serpentina	Apocynaceae	Sedative,hypotensive
Caraway	Carum carvi	Umbellifereae	Carminative, flavouring agent
Catechu	Acacia catechu	Leguminoceae	Astringent
Turmeric	Curcuma longa	Zingiberaceae	Spice, colouring agent Antiseptic

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Colchicum	Colchicum luteum	Liliaceae	Used in gout,rheumatism, Used to cause polyploidy
Cinchona (Panama bark)	Cinchona calisaya,cinchona ledgeriana,cincho na officinalis	Rubiaceae	Antimalatial
Amla	Emblica officinalis	Euphorbiaceae	Used in scurvy
Punarnava	Boerhavia diffussa	Nyctaginaceae	Diuretic, expectorant
Liquorice (Glycyrrhiza)	Glycyrrhyza glabra	Leguminoceae	Sweetening agent,antispasmodic,anti inflammatory, anti ulcer
Dioscorea	Dioscorea deltoidea,Dioscor ea composita	Dioscoreaceae	Source of diosgenin,used in rheumatoid arthritis
Datura	Datura metel	Solanaceae	Antispasmodic, CNS depressant

ORGANISATION AND THEIR LOCATION

Central Research Institute **(CRI)**	**Kasauli**
Central Drug Research Institute **(CDRI)**	**Lucknow**
Central Drug Laboratory **(CDL)**	**Kolkata**
BCG vaccine lab	**Chennai**
Indian Veterinary Research Institute **(IVRI)**	**Izatnagar**
Central Indian Pharmacopoeia Laboratory **(CIPL)**	**Ghaziabad**
National Brain Research Institute **(NBRI)**	**Manesar**
Indian Institute for Virology	**Pune**

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PRESCRIPTION

Rx **SUPERSCRIPTION**	**Take though** / Recipe / Take the following. Instructions to the **pharmacist**

INSCRIPTION	**NAMES AND QUANTITIES OF MEDICAMENTS** TO BE SUPPLIED.
SUBSCRIPTION	**Instructions to the pharmacist** regarding the dosage form and Number of dosage to be dispence.

SIGNATURA	**Direction to the patient** regarding the administration of drug.

SCHEDULES TO THE RULES

Sch. A – Proforma for application for the licences, issue and renewal of licences for sending memoranda under the act.

Sch. B – Rate of fee for test or analysis by the Central Drugs Laboratory or the Government Analyst.

Sch. C – List of biological and other special products whose import ,sale ,distribution and manufacturing are governed by special provisions.

Sch. C-1 – List of other special products whose import , sale , distribution and manufacturing are governed by special provisions.

Sch. D – List of drugs exempted from the provisions of import of drugs.

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Sch. E-1 – List of poisonous substances under the Ayurvedic (including Sidha) and Unani systems of medicine.

Sch. F & F1 – Provisions applicable to the production , testing , storage , packing and labelling of biological and other special products.

Sch. F 2 – Standards for surgical dressings.

Sch. F 3 – Standards for sterilized umbilical tapes.

Sch. FF – Standards of ophthalmic preparations.

Sch. G – List of substances that are required to be used only under medical supervision and which are to be labelled accordingly.

Sch. H – List of prescription drugs which are sold by retail on the prescription of Registered Medical Practitioner only.

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Sch. J – Diseases or ailments which a drug may not purport to prevent or cure.

Sch.

Sch. K – Drugs exempted from certain provisions relating to the manufacture of drugs.

Sch. M – GMP requirements of factory premises.

Sch. N – List of minimum equipment for efficient running of a pharmacy.

Sch. O – Standards for disinfectant fluid.

Sch. P – Life period of drugs.

Sch. Q – List of coal tar colours permitted to be used in cosmetics.

Sch. R – Standards for mechanical contraceptives.

Sch. S – Standards for cosmetics.

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Sch. T – Requirements of factory premises and hygienic conditions for Ayurvedic (including sidha) and Unani drugs.

Sch. U – Particulars to be shown in manufacturing , raw material and analytical records of drugs.

Sch. U 1 – Particulars to be shown in manufacturing , raw material and analytical records of cosmetics.

Sch. V – Standards for patent or proprietary medicines.

Sch. W - list of drug which is to be marketed under generic names only.

Sch. X - list of drugs whose import, manufacture and sale , labelling and packaging are governed by special provisions.

Sch. Y - Requirement and guideline on clinical trials for import and manufacture of new drug.

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TYPES OF INSULIN

TYPE	Examples
Rapid acting / Ultra short acting insulin	1. Lispro 2. Aspart 3. Glulisine
Short acting insulin	Regular insulin
Intermediate acting insulin	1. Insulin zinc suspension or lente 2. Neutral protamine hagedorn (NPH) Or isophane insulin
Long acting insulin	1. Protamine zinc insulin 2. Insulin glargine 3. Digludac 4. Detemir

CORTICOSTEROIDS

Glucocorticoids	**Short acting** – Hydrocortisone (Cortisol)
	Intermediate acting – 1. Prednisolone 2. Methyl Prednisolone 3. Triamcinolone
	Long acting – 1. Dexamethasone 2. Betamethasone
Mineralocorticoids	1. Aldosterone 2. Fludrocortisone

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ANTI-HISTAMINIC DRUGS

Amino alkyl ether derivatives	Diphenhydramine Doxylamine Clemastine Dimenhydrinate
Ethylene diamine derivative	Pyrilamine Tripellenamine
Propyl amino derivative (Alkyl amine)	Pheniramine Chlorpheniramine Triprolidine
Phenothiazine derivatives	Promethazine Trimeprazine
Piperazine derivatives	Hydroxyzine Cyclizine Buclizine Cinnarazine Meclizine
Piperidine derivative	Cyproheptadine

NSAIDS (NON-STEROIDAL ANTI-INFLAMMATORY DRUGS)

A) NON SELECTIVE COX INHIBITORS	
1. Salicylates	Aspirin
2. Propionic acid derivative	Ibuprofen Naproxen Ketoprofen
3. Anthranilic acid derivative	Mefenamic acid
4. Aryl acetic acid derivative	Diclofenac Aceclofenac
5. Oxicam derivatives	Piroxicam Tenoxicam
6. Pyrrolo-pyrrole derivative	Ketorolac

7. Indole derivative	Indomethacin
8. Pyrazolone derivative	Phenylbutazone Oxyphenbutazone
B) Preferential COX-2 Inhibitor	Nimesulide Meloxicam Nabumetone
C) selective COX-2 Inhibitor	Celecoxib Rofecoxib Etoricoxib parecoxib

SKELETAL MUSCLE RELAXANTS

A)PERIPHERALLY ACTING MUSCLE RELAXANT		
a. Non-Depolarizing M.R.	**1) LONG ACTING**	D-Tubocurarine Pancuronium Doxacurium Pipecurium
	2) INTERMEDIATE ACTING	Vecuronium Atracurium Rocuronium
	3) SHORT ACTING	Mivacurium
b. Depolarizing M.R.		Succinylcholine (suxamethonium) Decamethonium
B) CENTRALLY ACTING MUSCLE RELAXANTS	**1) Mephenesin congeners**	Mephenesin Chlorzoxazone Chlormezanone
	2) Benzodiazepines	Diazepam
	3) GABA Derivative	Baclofen
	4) Central Alpha-2 Agonist	Tizanidine

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BETA BLOCKERS

CARDIO SELECTIVE BETA BLOCKERS (**BETA 1 BLOCKERS**)	Atenolol Acebutalol Bisoprolol Betaxolol Celeprolol Esmolol Metoprolol Nebivolol
CARDIO SELECTIVE BETA-2 BLOCKERS	Betoxamine
ALPHA AND BETA BLOCKERS	LABETOLOL CARVEDILOL
NON - SELECTIVE BLOCKERS	
Without intrinsic sympathomimetic activity	Propranolol Sotalol Timolol
With intrinsic sympathomimetic activity	Pindolol

ANTI T.B. DRUGS

1ST LINE DRUGS	Isoniazide Rifampicin Ethambutol Pyrazinamide
2nd LINE DRUGS	Aminoglycosides Macrolides Cycloserine Ethionamide

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ANTI-DEPRESSANT DRUGS

SELECTIVE SEROTONIN REUPTAKE INHIBITORS (SSRI)	Citalopram Escitalopram Fluoxetine Paroxetine Fluvoxamine Sertraline Dapoxetine
SEROTONIN NOREPINEPHRINE REUPTAKE INHIBITORS (SNRI)	Duloxetine Venlafaxine
TRICYCLIC ANTI DEPRESSANT (TCA)	Imipramine Trimipramine Amitriptyline Nortriptyline Desipramine Doxepin Dothiepin Desipramine Amoxapine
MAO INHIBITORS	Moclobemide Selegiline Isocarboxazide
ATYPICAL ANTIDEPRESSANTS	Bupropion Trazodone Mirtazapine

NEUROLEPTICS / ANTI-PSYCHOTIC / MAJOR TRANQUILIZERS

TYPICAL BUT LOW POTENCY	Chlorpromazine Prochlorperazine
TYPICAL BUT HIGH POTENCY	Haloperidol Thiothixine
ATYPICAL	Clozapine Olanzapine Risperidone

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ANTI-PARKINSON DRUG

DRUG AFFECTING BRAIN DOPAMINERGIC SYSTEM	
Dopamine precursor	Levodopa
Peripheral decarboxylase inhibitor	Carbidopa beneseride
Dopaminergic agonist	Bromocriptine Ropirinole Pramipixole
MAO-B Inhibitor	Selegeline
COMT Inhibitor	Entacapone Tolcapone
Dopamine facilitator	Amantadine
DRUGS AFFECTING BRAIN CHOLINEGIC SYSTEM	
Central Anticholinergics	Trihexyl phenidyl (Benzhexol) Procyclidine biperiden
Anti histaminics	Orphenadrine Promethazine

ANTI-HYPERLIPIDEMIC DRUGS

HMG COA Reductase inhibitors	Atorvastatin Simvastatin Fluvastatin Provastatin Lovastatin
Fibrates	Gemfibrozil Fenofibrate
NIACIN	
Bile acid sequestrants	Colestipol Colestyramine Colesevelam

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ANTI-CANCER DRUGS

1) Alkylating Agent	
A) Nitrogen Mustard	Mechlorethamine Cyclophosphamide Isosphamide Chlorambucil Melphan
B) Ethylenimine	Thiotepa
C) Alkyl sulfonate	Busulphan
D) Nitrosoureas	Carmustine Lomustine
E) Triazine	Dacarbazine
2) Antimetabolite	
A) Folate Antagonist	Methotrexate
B) Purine Antagonist	6 – Mercaptopurine 6 – Thioguanine Azathioprine Fludarabine
C) Pyrimidine Antagonist	5 – Fluorouracil Cytarabine
3) Vinka Alkaloid	Vincristine Vinblastine
4) Texanes	Paclitaxel Docetaxel
5) Epipodophyllotoxin	Etoposide
6) Camptothecin Analogues	Topotecan Irinotecan
7) Antibiotic	Actinomycin- D Doxorubicin

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	Daunorubicin Mytomycin C Bleomycin Mithoxanthrone
8) Miscellaneous	Hydroxyurea L-Asparagine Procarbazine Cisplatin Carboplatin Imatinib
9) Glucocorticoids	Prednisolone
10) Estrogen	Fosfestrol Ethynyl estradiol
11) Selective estrogen receptor modulator	Tamoxifen Toremifene
12) Selective estrogen receptor down regulator	Fulvestrant
13) Aromatase inhibitor	Letrozole Anastrozole
14) Antiandrogen	Flutamide Bicalutamide
15) 5 – Alpha reductase inhibitor	Fibasteride Dutasteride
16) GnRH Analogues	Nafarelin Triptirelin
17) Progestin	Hydroxyprogesterone

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ANTI-HYPERTENSIVE DRUGS

A) Diuretics	Bumetanide Furosemide Spironolactone Hydrochlorothiazide
B) Beta - Blockers	Atenolol Carvedilol Labetolol Metoprolol
C) ACE Inhibitors	Captopril Enalapril Lisinoprill Ramipril Fosinopril
D) ARB's	Telmisartan Losartan Valsartan Candesartan
E) Alpha blockers	Prazocin Terazocin Doxazocin
F) Calcium channel blockers	Amlodipine Nifedipine Nicardipine Diltiazem Verapamil
G) Others	Hydralazine Clonidine Sodium Nitroprusside Minoxidil Alpha methyldopa

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TYPES OF GLASS

TYPE I GLASS	*Highly resistant Borosillicate. *Used in buffered and unbuffered aqueous solution
TYPE II GLASS	*Highly resistant sodalime glass *Buffered aqueous solution below pH 7
TYPE III GLASS	*Moderately resistant sodalime glass *Used for dry powders and oily solution
TYPE IV GLASS	*General purpose sodalime glass *Non parenteral preparations

ANTIRHEUMATOID DRUGS

A) Disease Modifying Anti-Rheumatic Drugs (DMARDS)	**Immunosuppresants** 1. Azathioprine 2. Methotrexate 3. Cyclosporine
	Sulfasalazine Chloroquine Hydroxychloroquine Leflunamide Gold salt Auranofin D-Penicillamine
B) Biological Response Modifier (BRM)	
1. TNF-ALPHA INHIBITORS	1. Etanercept 2. Infliximab 3. Adalimumab
2. INTERLEUKIN-1 antagonist	Anakinara
3. Corticosteroids	Prednisolone and others

AUTOCOIDS

Amine autocoids	Histamine 5-HT (Serotonin)
Lipid derived autocoids	Prostaglandin Leukotriene Platelet activating factor
Peptide autocoids	Plasmakinin (Bradykinin,kallidine) Angiotensin

DIURETICS

THIAZIDES DIURETICS	Chlorothiazide Hydrochlorothiazide Indapamide Chlorthalidone
LOOP DIURETICS	Furosemide Torsemide Bumetanide
POTASSIUM SPARING DIURETICS	Amiloride Spironolactone Triamterene
CARBONIC ANHYDRASE INHIBITORS	Acetazolamide
OSMOTIC DIURETICS	Urea Mannitol

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LAXATIVES

IRRITANTS & STIMULANTS	Senna , bisacodyl
BULK LAXATIVES	Methyl cellulose Psyllium seeds Bran
STOOL SOFTNERS	Docusate sodium Docusate potassium Docusate calcium
LUBRICANT LAXATIVE	Mineral oil Glycerin suppository

LOCAL ANAESTHETICS

INJECTABLE ANAESTHETICS	
1.LOW POTENCY / SHORT DURATION OF ACTION	Procaine Chloroprocaine
2.INTERMEDIATE POTENCY / INTERMEDIATE DURATION OF ACTION	Lidocaine Prilocaine
3.HIGH POTENCY / LONG DURATION OF ACTION	Tetracaine Bupivacaine Ropivacaine Dibucaine
SURFACE ANAESTHETICS	
1.SOLUBLE	Cocaine Lidocaine Tetracaine Benoxinate
2.INSOLUBLE	Benzocaine Butyl aminobenzoate Oxethazine

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GENERAL ANAESTHETICS

INHALATIONAL ANAESTHETICS	
1.GAS	Nitrous oxide
2.VOLATILE LIQUIDS	Ether Halothane Enflurane Isoflurane Desflurane Sevoflurane
INTRAVENOUS ANAESTHETICS	
1.INDUCING AGENTS	Thiopentolate sodium Methohexitone sodium Propofol Etomidate
2.BENZODIAZEPINES	Diazepam Lorazepam Midazolam
3.DISSOCIATIVE ANAESTHESIA	Ketamine
4.OPOID ANALGESIC	Fentanyl

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ANTI - ARRHYTHMIC AGENTS

SODIUM CHANNEL BLOCKERS (CLASS I)	
CLASS – I A	Quinidine Procainamide Dysopyramide
CLASS - I B	Lidocaine Phenytoin Mexilitine Tocainide
CLASS - I C	Flecainide Propafenone Morizine
BETA BLOCKERS (CLASS - II)	Propranolol Esmolol Metoprolol Atenolol
POTASSIUM CHANNEL BLOCKERS (CLASS - III)	Amiodarone Bretylium Dofetilide Ibutilide
CALCIUM CHANNEL BLOCKERS (CLASS - IV)	Diltiazem Verapamil
MISCELLANEOUS (CLASS - V)	Adenosine

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ORAL HYPOGLYCEMIC DRUGS

SULPHONYLUREAS	Tolbutamide Chlorpropamide Glipizide Gliclazide Glimepride Glibenclamide
MEGLITINIDES	Repaglinide Nateglinide
DPP-4 INHIBITORS	Sitagliptin Vidagliptin Saxagliptin Alogliptin Linagliptin
BIGUANIDES	Metformin Phenformin
THIAZOLIDINEDIONES	Pioglitazone Rosiglitazone
ALPHA-GLUUCOSIDASE INHIBITORS	Acarbose Miglitol Voglibose
SODIUM –GLUCOSE LINKED COTRANSPORTER-2 INHIBITORS (SGLT-2)	Dapagliflozin Canagliflozin Empagliflozin

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PHARMACIST TEST PAPER - 1

1. **Which of the following is a side effect of methyldopa?**
   A) sedation and lethargy
   B) diuresis
   C) weight loss
   D) hair loss

2. **Which of the following drugs is not used for the treatment of acute migraine attack?**
   A) Propranolol
   B) Sumatriptan
   C) Caffeine
   D) Ergotamine

3. **A drug that decrease the activity of another drug is called**
   A) antagonist
   B) agonist
   C) adverse reaction
   D) synergic

4. **Mifepristone terminates pregnancy up to the gestation age of**
   A) 7 weeks
   B) 15 weeks
   C) 13 weeks
   D) 11 weeks

5. **The route of administration of vaccine BCG is**
   A) intradermal
   B) intramuscular
   C) oral
   D) intravenous

6. **Which of the following is not among the orphan drugs?**
   A) Fomepizole
   B) Ketoconazole
   C) Sodium nitrite
   D) Liposomal Ampoterecin B

7. **Which of the following cytotoxic drug used in chemotherapy is an antimetabolite?**
   A) Ifosphamide
   B) Mechlorethamine
   C) Cyclophosphamide
   D) Methotrexate

8. **“Varicella vaccine" is given for the prevention of which of the following diseases?**
   A) hepatitis A
   B) cervical cancer
   C) chicken pox
   D) tuberculosis

9. **Which one of the following is not used in treatment of diabetes insipidus?**
   A) Amiloride
   B) ketoconazole
   C) indomethacin
   D) vasopressin

10. **An example of rapidly acting anticoagulant**
    A) Warfarin
    B) Phenindione
    C) propranolol
    D) heparin

11. **An example of cholinomimetic alkaloid is**
    A) pilocarpine
    B) Methacholine
    C) Neostigmine
    D) Carbachol

12. **Drug used in ulcerative colitis**
    A) Gefarnate
    B) Sucralfate
    C) sulfasalazine

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D) Metoclopramide

13. Which of the following CNS (central nervous system) depressant barbiturate is long acting?

A) Barbitone
B) pentothal sodium
C) Cyclobarbital
D) Thiamylal sodium

14. Which of the following is not a Lipid derived autocoids?

A) Histamine
B) prostaglandin
C) leukotriene
D) platelet activating factor

15. Which of the following is cholinergic blocking agent?

A) Atropine
B) Carbachol
C) Acetylcholine
D) Pilocarpine

16. One of the following drugs is an alkylating agent? identify

A) Cyclophosphamide
B) Methotrexate
C) Allopurinol
D) Rifampicin

17. What is the meaning of the word pharmacovigilance?

A) drug safety
B) drug efficacy
C) drug potency
D) drug toxicity

18. The xenobiotics that does not cause nephrotoxicity is

A) Streptozocin
B) Cisplatin
C) Gentamycin
D) Isoniazid

19. What is therapeutic index?

A) concentration of drug in the body
B) efficacy of the drug
C) measure of safety of the drug
D) measure of potency of the drug

20. Drug which increases lung secretion

A) expectorant
B) Linctus
C) laxative
D) syrup

21. Which one of the following drug is commonly used for treating bronchial asthma?

A) penicillin
B) Paracetamol
C) Atenolol
D) salbutamol

22. The hormone responsible for the secretion of milk in Mothers is

A) ACTH
B) prolactin
C) adrenaline
D) lactogenic hormone

23. HIV infection can be clinically controlled with

A) cytarabin
B) Acyclovir
C) Zidovudine
D) Amantadine

24. The thrombolytic agent used is

A) Heparin
B) warfarin
C) Anistreplase
D) vit. K

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25. Macrolide antibiotic exert their action by
A) inhibiting transcription
B) altering the genetic code
C) terminating Protein synthesis prematurely
D) post translation modification

26. Plasmodial resistance of chloroquine is due to
A) induction of in activating enzymes
B) change in acceptor structure
C) increase in the activity of DNA repair mechanism
D) decreased carrier mediated drug transport

27. Phenylketonuria is an example of an inborn error of metabolism.this _____ refers to.
A) hormonal overproduction
B) Non disjunction
C) atrophy of endocrine glands
D) inherited lack of an enzyme

28. Saline purgative is
A) Isabgol
B) Phenolphthalein
C) castor oil
D) Magnesium sulphate

29. The mechanism of action of penicillin is
A) by inhibition of protein synthesis
B) by interference with ribosome function
C) By antimetabolite action
D) by interference with cell walls synthesis

30. Semi synthetic drug is
A) penicillin G
B) Ampicillin N
C) Rifamycin B
D) Streptomycin

31. Acid resistant and penicillinase resistant penicillin
A) Ampicillin
B) Benzyl penicillin
C) Cloxacillin
D) Benzathine penicillin

32. The commonly used medicine for Typhoid is
A) Chloroquine
B) Ascorbic acid
C) A sulpha drug
D) chloromycetin

33. Which of the following secretion is not stimulated by acetylcholine?
A) Tear
B) sweat
C) Pancreatic juice
D) bile

34. 'Z' track injections are made by _____ route
A) intravenous
B) subcutaneous
C) intra muscular
D) intra spinal

35. The absorption of drug is not required when it is given by following route
A) oral
B) I.M.
C) I.V.
D) S.C.

36. The word pharmacology is derived from
A) Pharma and cology
B) pharmakon and gignocology

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C) pharmakon and logos
D) pharma and logy

37. BCG vaccine is given to protect the child against
A) diphtheria
B) tetanus
C) typhoid
D) tuberculosis

38. Tetracycline are not given with milk because
A) toxicity increases
B) gastric irritation
C) activity is destroyed
D) insoluble chelates is formed

39. Lachrymal glands produces
A) Tear
B) wax
C) sweat
D) sebum

40. Which drug is selective Beta 1 agonist?
A) Digoxin
B) Dobutamine
C) Amrinone
D) Dopamine

41. Which one of the following is a class II anti-arrhythmic drug?
A) Flecainide
B) Propranolol
C) Lidocaine
D) Verapamil

42. Neuroleptics are used to treat
A) neurosis
B) psychosis
C) narcolepsy
D) parkinsonian disorders

43. Which drug is a directly acting vasodilator?
A) Labetalol
B) clonidine
C) enalapril
D) Nifedipine

44. Which of the following opiod analgesic is used in the treatment of acute pulmonary edema?
A) Morphine
B) codeine
C) Naloxone
D) Loperamide

45. An adverse effect of oral iron therapy is
A) anaemia
B) thrombocytopenia
C) headache
D) constipation

46. Indicate the drug that cause metabolic metabolic alkalosis.
A) Sodium Bicarbonate
B) cimetidine
C) pepto-Bismol
D) Carbenoxolone

47. Sterilization by autoclaving
A) dry heat sterilization
B) UV radiation
C) moist heat sterilization
D) bactericidal sterilization

48. Which of the following is the chemical constituent of gelatin?
A) protein
B) carbohydrate
C) lipid
D) Ester

49. Surgical dressing and fabrics can be autoclaved at a temperature of

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A) 160^{o}C for 60 min
B) 121^{o}C – 122^{o}C for 15 min
C) 150^{o}C for 60 min
D) 115^{o}C- 118^{o}C for 30 min

50. All the particles passes through a sieve number 44 and not more than 40% through a sieve number 85 called as
A) coarse particles
B) moderately coarse particles
C) moderately fine particles
D) fine particles

51. One teaspoon full is
A) 15 ml
B) 4 ml
C) 0.06 ml
D) 3 ml

52. A liquid oral preparation taken as a single dose is called
A) Draught
B) Elixir
C) Linctus
D) Collodion

53. Chemical composition of asbestos
A) cellulose
B) aluminosilicate
C) silica
D) carbon dioxide

54. P.r.n. is commonly used Latin Abbreviation in prescription writing.what is the English meaning equivalent of p.r.n.?
A) every quarter of an hour
B) as needed
C) every 4 hours
D) shake the bottle

55. Which type of suppositories is are called Pessaries?
A) Nasal
B) Urethral
C) Rectal
D) Vaginal

56. Adhesion of tablet material to a die wall is called
A) Mottling
B) Sticking
C) Picking
D) Capping

57. Transfusion bottles are made up of
A) neutral glass
B) Borosilicate glass
C) soda glass
D) Sulphured glass

58. Temperature and time used in moist heat sterilization is
A) 120^{o}C for 30 minutes
B) 125^{o}C for 30 minutes
C) 150^{o}C for 15 minutes
D) 100^{o}C for 30 minutes

59. Disposable syringes are made up of
A) polypropylene
B) transparent polystyrene
C) glass
D) polytetrachloro ethylene

60. The Wruster process can be used to
A) Coat tablet
B) determine the disintegration time
C) gas sterilize parenteral products
D) automatic filling of capsule

61. The Dip tube in an aerosol container is made from one of the following. choose the correct one

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A) sorbitol
B) Povidone
C) PEG
D) HPMC

62. Normal saline solution contains
A) 0.1% sodium chloride
B) 0.5% sodium chloride
C) 0.9% sodium chloride
D) 0.8% sodium chloride

63. Osmotic pellets are extensively used as
A) sustained release
B) controlled release
C) prolong release
D) None

64. Rauwolfia and glycyrrhiza can be size reduced by
A) roller mill
B) ball mill
C) cutter mill
D) colloidal mill

65. What is an emulsion?
A) mixture of two immiscible solutions
B) mixture of two lotions
C) mixture of two powders
D) mixture of lotion and powder

66. Milk of magnesia is a preparation containing between 7 to 8.5% of
A) magnesium hydroxide
B) aluminium hydroxide
C) both
D) None

67. Isotonicity can be adjusted by
A) sodium chloride equivalent method
B) freezing point depression method
C) both
D) none

68. Cold cream is an example of
A) O/W emulsion
B) W/O Emulsion
C) Both
D) None

69. Principle of moist heat sterilization is
A) DNA destruction
B) protein coagulation
C) destruction of nucleus
D) all of these

70. Bloom strength is used to check the quality of
A) lactose
B) Ampoules
C) hardness of tablet
D) gelatin

71. Zeta potential is used for evaluating
A) suspension
B) syrup
C) solution
D) all of these

72. Rate of filtration can be increased by
A) increase surface area
B) increasing temperature of liquid
C) decrease in viscosity of liquid
D) all of these

73. The healing agent used in hand creams is
A) soft paraffin
B) Urea
C) Bees wax
D) Tearyl alcohol

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74. Creams are
A) emulsions
B) suspensions
C) ointments
D) pastes

75. Purity of water can be assessed by determining one of its following properties instrumentally
A) pH
B) Refractivity
C) Viscosity
D) Conductivity

76. Blood plasma and blood serum preparations are dried by
A) Freeze dryer
B) vacuum dryer
C) spray dryer
D) fluibezed bed dryer

77. Emulsions are which type of dosage form
A) monophasic
B) biphasic
C) Triphasic
D) Tetraphasic

78. Milk is an example of :
A) suspension
B) gel
C) emulsion
D) foam

79. Which among the following is an anti dandruff drug?
A) zinc sulphate
B) Selenium sulphide
C) zinc carbonate
D) sodium fluoride

80. Vitamin tablets are generally formulated as
A) hypodermic tablets
B) sublingual tablets
C) effervescent tablets
D) chewable tablets

81. Calcium gluconate can be assayed by
A) acid base titration
B) precipitation titration
C) complexometric titration
D) redox titration

82. Chemical name of plaster of Paris
A) Magnesium Sulphate
B) calcium carbonate
C) magnesium carbonate
D) calcium sulphate

83. Which drug is used for the detection of boric acid?
A) turmeric
B) Benzoin
C) Myrrh
D) Tolu balsam

84. The barium meal is
A) Barium Chloride
B) barium nitrate
C) barium carbonate
D) barium sulphate

85. Ciprofloxacin is a
A) Quinolone
B) azole Quinolone
C) Isoquinoline drug
D) Quinine drug

86. Which is used as styptic?
A) zinc oxide
B) potassium permanganate
C) sodium sulphate
D) alum

87. Chlorpromazine is an antipsycotic drug possessing

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A) Butyrophenone
B) Thioxanthine
C) Phenothiazine
D) Acridine

88. Which one of these is a major cation in intracellular fluid?
A) potassium
B) sodium
C) magnesium
D) calcium

89. Aqua regia is a mixture of
A) HCL and H2SO4
B) HCL and HNO3
C) HCL and HBR
D) HCL and HF

90. How many coccygeal vertebrae fuse to form Coccyx bone?
A) 2
B) 8
C) 4
D) 6

91. Which of the following is the largest tarsal bone?
A) Cuboid
B) Navicular
C) Calcaneus
D) Talus

92. The normal rhythmical impulse is generated from which point in the conductive system of heart?
A) Atrioventricular bundle
B) sinoatrial node
C) purkinje fibre
D) auriculoventricular node

93. Which of the following Chamber of heart receives Venous blood from the whole body?
A) Left ventricle
B) Right Atrium
C) Right Ventricle
D) Left Atrium

94. Gallbladder is located in
A) left Iliac region
B) right Iliac region
C) Right hypochondriac region
D) Right lumbar region

95. DNA replication and transcription in the function of which subcellular organelle?
A) endoplasmic reticulum
B) Golgi body
C) nucleus
D) lysosomes

96. Duodenum is situated
A) at the uppermost part of the small intestine
B) near the lungs
C) in the brain
D) at the tail end of the intestine

97. Which of the following is not a bone in the legs of human body?
A) radius
B) tibia
C) Femur
D) Fibula

98. Pituitary gland is present
A) below the brain
B) Above the brain
C) inside the brain
D) no where near the brain

99. Bile juice is secreted by
A) pancreas
B) liver
C) spleen
D) gallbladder

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100. Veins differ from arteries in having

A) thinner walls

B) strong walls

C) Narrower lumen

D) Valves to control direction of flow

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PHARMACIST TEST PAPER - 2

1. **The largest cell in the human body is**
   A) nerve cell
   B) muscle cell
   C) liver cell
   D) kidney cell

2. **Wilson's disease characterised by**
   A) Iodine deposition
   B) clotting of blood
   C) calcium accumulation
   D) excessive copper storage

3. **The study of causes of diseases is**
   A) Etiology
   B) Histology
   C) morphology
   D) Entomology

4. **Precursor for the biosynthesis of Tropane alkaloid is**
   A) Leucine
   B) Lysine
   C) Ornithine
   D) Tyrosine

5. **Clove stalks can be identified by the presence of**
   A) Starch grains
   B) Cystoliths
   C) Lignified sclerids
   D) Acicular crystals of calcium oxalate

6. **Aloe contains barbaloin which is a**
   A) C glycoside
   B) S glycoside
   C) D glycoside
   D) H glycoside

7. **Choose the drug containing Indole alkaloid**
   A) Belladonna
   B) opium
   C) Vasaka
   D) Ergot

8. **A plant drug which lower blood pressure**
   A) Vasaka
   B) Neem
   C) Rauwolfia
   D) Tulsi

9. **Precursor glycoside of Digitoxin**
   A) Purpurea glycoside A
   B) Purpurea glycoside B
   C) Lanatoside A
   D) Lanatoside B

10. **Eugenol is contained in**
    A) clove
    B) Capsicum
    C) Cardamom
    D) Coriander

11. **The drug hashish is produced from the flowers of the tree of**
    A) Neem
    B) Hemp
    C) Rose
    D) Tulsi

12. **Who is regarded as the father of medicine?**
    A) Paracelsus
    B) Aristotle
    C) Galen
    D) Hippocrates

13. **Centrally acting muscle relaxant**
    A) Halothane
    B) D- Tubocurarine
    C) Mephenesin

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D) Succinylcholine

14. Drugs useful in peptic ulcer are all except
A) aluminium hydroxide
B) Magnesium Sulphate
C) magnesium tri silicate
D) magnesium hydroxide

15. Ciprofloxacin is drug of choice in
A) tonsillitis
B) urinary tract infections
C) fungal infections
D) scabies

16. Which of the following when taken by pregnant women is found to be the cause of deformed children
A) Glycerol
B) Xylidine
C) Thalidomide
D) None of the above

17. Drug of choice for grandmal epilepsy are
A) phenytoin and sodium valproate
B) Sodium valproate and Carbamazepine
C) Carbamazepine and phenobarbitone
D) phenobarbitone and phenytoin

18. Chloroquine is used for the treatment of
A) diabetes
B) malaria
C) tuberculosis
D) diarrhoea

19. Drug used to test gastric acid secretion
A) dexamethosone
B) tyramine
C) Mannitol
D) Histamine

20. Analgesic from opium poppy
A) Diazepam
B) morphine
C) aspirin
D) diclofenac

21. Ranitidine is a
A) H2 antagonist
B) H1 antagonist
C) beta Adrenergic antagonist
D) Alpha adrenergic antagonist

22. Zidovudine is used in chemotherapy of
A) Acute Immune Deficiency Syndrome
B) small pox
C) Influenza pneumonia
D) Bronchogenic carcinoma

23. Which of the following is an Anti diuretic hormone?
A) Oxytocin
B) follicle stimulating hormone
C) vasopressin
D) luteinizing hormone

24. Dapsone is used for the therapy of
A) tuberculosis
B) Amoebiasis
C) Leprosy
D) jaundice

25. Which of the following is an analeptic drug?
A) Caffeine
B) Nikethamide
C) Cocaine
D) Amphetamine

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26. Mannitol is
A) loop diuretic
B) osmotic diuretic
C) potassium sparing diuretic
D) carbonic anhydrase inhibitor diuretic

27. The pour size of the membrane filter required to remove all Bacteria is
A) 0.45 micron
B) 0.8 micron
C) 1.2 micron
D) 0.22 micron

28. The joint between axis and atlas vertebrae in the neck is called
A) Hinge joint
B) Pivot joint
C) Saddle joint
D) Fibrous joint

29. RNA synthesis on DNA template is known as
A) translation
B) transcription
C) transduction
D) Central dogma

30. Which among the following causes ototoxicity ?
A) Chloroquine
B) Ampicillin
C) Diclofenac
D) Salbutamol

31. Enteric coating is given to tablets for disintegration at
A) intestine
B) stomach
C) liver
D) kidney

32. Amphotericin -B causes series side effect which is
A) Cardiotoxicity
B) Ototoxicity
C) Nephrotoxicity
D) Neurotoxiciry

33. An example of phenanthrene alkaloid is
A) Cardamom
B) Ergot
C) Morphine
D) Cinchona

34. The most suitable preservative for eye drops is
A) phenyl mercuric acetate
B) methyl paraben
C) Thiomersal
D) phenol

35. Cimetidine a H2 receptor antagonist is derivative of
A) Pyrazolidine
B) Oxazole
C) Imidazole
D) Pyrazole

36. The mineralocorticoids that has sodium retaining property is
A) Aldosterone
B) Testosterone
C) Progesterone
D) Insulin

37. Morphine sulphate comes under which schedule of drugs and cosmetics act
A) X
B) K
C) H
D) G

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38. The working principle of fluid energy mill is
A) crushing and shearing
B) attrition and impact
C) compression
D) impact

39. Paediatric dose of amino glycoside antibiotics is based on
A) weight
B) Age
C) Sex
D) Race

40. Colour of Tears changes with the use of
A) Bleomycin
B) Tetracycline
C) Ferrous sulphate
D) Rifamycin

41. Anti hypertensive found safer during pregnancy is
A) Reserpine
B) propranolol
C) Losartan
D) Hydralazine

42. Addition of which of the following to a large volume parenterals product is not advised?
A) active Pharmaceutical ingredient
B) preservatives
C) buffering agents
D) Tonicity adjuster

43. Swelling factor for isabgol seed is
A) 2-6
B) 6-10
C) 10-14
D) 14-18

44. Rotosort is a
A) tablet making machine
B) vapour inhalation process
C) size reduction machine
D) capsule checking machine to sort out the filled and unfilled capsules

45. Volatile oils are the derivatives of
A) Isoprene
B) Polylysine
C) Polypropylene
D) Urotropin

46. Penicillin shows anti microbial activity by
A) inhibiting cell wall synthesis
B) inhibiting protein synthesis
C) perforation of cell membrane
D) alkylation of DNA

47. Suspension is not a suitable dosage form for
A) intra muscular injection
B) intravenous injection
C) intra articular injection
D) intradermal injection

48. Diuretic which inhibits carbonic anhydrase enzyme is
A) Hydrochlorothiazide
B) Furosemide
C) spironolactone
D) Acetazolamide

49. Cholagogue means
A) promote milk secretion
B) promote bile secretion
C) increase sweat secretion
D) increase Gastric secretion

50. Anaphylaxis reaction is due to which antibody
A) IgA

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B) IgE
C) IgM
D) IgG

51. Digoxin shows cardiotonic activity by inhibiting
A) carbonic anhydrase
B) cyclooxygenase
C) Sodium Potassium ATPase
D) aldehyde dehydrogenase

52. Oxytocic activity is shown by
A) Dioscorea
B) shatavari
C) Ergot
D) Digitalis

53. Scalples and blades for surgery may be sterilized by
A) boiling in a water bath
B) dry heat sterilization
C) membrane filtration
D) aseptic technique

54. Saponin glycoside is present in
A) senna
B) aloe
C) shatavari
D) Digitalis

55. Swine flu is caused by
A) HIV
B) H1N1
C) HBV
D) Mumps virus

56. Neural tube defects may occur by which one of the following anti-seizure drugs?
A) Ethosuximide
B) vigabatrin
C) valproic acid
D) primidone

57. Glycosides are condensation products of
A) sugar + Aglycone
B) sugar + protein
C) protein + Aglycone
D) fats + aglycone

58. Trazodone is used as
A) anti depressant
B) Anti Diabetic
C) anti ulcer
D) cardio tonic

59. Which of the following is a shortest acting Cholinesterase inhibitors inlisted below?
A) Neostigmine
B) pyridostigmine
C) Endrophonium
D) physostigmine

60. Which of the following is a narrow spectrum antibiotic
A) Tetracycline
B) Ampicillin
C) chloramphenicol
D) Penicillin-G

61. Galactose and glucose are
A) Epimers
B) Isomers
C) Anomers
D) ketose Aldose isomers

62. Which of the following drug causes less inhibition of REM sleep?
A) Zolpidem
B) Ethanol
C) Lorazepam
D) Phenobarbitone

63. The non sedating anti- histaminic is

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A) Terfenadine
B) Diphenylhydrazine
C) Meclizine
D) Mepyramine

64. Thrombocytopenia stands for
A) weakness of platelet aggregation
B) reduced platelet count
C) increased platelet count
D) normal platelet count

65. Which of the following is not a toxic effect of salicylates?
A) Tinnitus
B) Gastric bleeding
C) Edema
D) Postural hypotension

66. Which form of hyperthermia is more severe
A) body pains
B) heat stress
C) heat stroke
D) heat exhaustion

67. Adjuvant present in DPT vaccine is
A) aluminium phosphate
B) aluminium hydroxide
C) zinc phosphate
D) magnesium phosphate

68. Which of the antibodies provide passive immunity to newborn baby?
A) IgG
B) IgM
C) IgA
D) IgE

69. Which of the following is added as antioxidant in pharmaceutical dosage forms?
A) Sorbitan monooleate
B) Ascorbic acid
C) Methyl cellulose
D) Sodium saccharine

70. Which one of the following is not used in preparation of baby powders?
A) steering acid
B) boric acid
C) kaolin
D) calcium carbonate

71. Long term used of cimetidine may cause
A) sexual dysfunction
B) renal failure
C) Rebound acidity
D) parietal cell blockade

72. Which of the following antibiotics does not act on the cell membrane
A) Amphotericin B
B) Nystatin
C) Polymyxin
D) Lincomycins

73. Koplik's spot is related to which disease?
A) Pox
B) measles
C) typhoid
D) rabies

74. Cephalosporin produce there antibacterial activity by interfering with
A) cell wall synthesis
B) cell membrane functions
C) ribosomal Protein synthesis
D) intermediate metabolic pathway

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75. Ziehl Neelsen's method is used to identify
A) acid fast bacteria
B) Gram Positive Bacteria
C) Spores
D) flagella

76. Tetracycline is used
A) for Air purification
B) as a pest killer
C) as anti-plague drug
D) as a preservative

77. Which one of these Antihistaminic is used as appetite stimulant?
A) Promethazine hydrochloride
B) cyproheptadine
C) Fexofenadine
D) pheniramine maleate

78. Increase in the number of cells in a tissue is called
A) hypertrophy
B) hyperplasia
C) Aplasia
D) hypoplasia

79. Amber coloured ampoules are used for
A) hygroscopic substances
B) light sensitive substances
C) oxygen sensitive substances
D) all of these

80. Hatch waxman Act is related to
A) generic drug
B) over the counter drug
C) dangerous drugs
D) banned drug

81. Malarial transmission occurs by
A) vector
B) food and water
C) Air
D) Fomite

82. The confirmatory test for positive ELISA used the screening of HIV infection is
A) PCR
B) RT-PCR
C) Northern blot
D) western blot

83. Handerson Hasselbatch equation is related to
A) buffer solution
B) dissolution rate
C) osmotic pressure
D) absorption

84. Patient taken MAO Inhibitors are advised not to take ____ along with drug
A) Caffeine
B) Cabbage
C) Coumarin
D) Cheese

85. Which of the following is an essential amino acid?
A) Alanine
B) serine
C) Tryptophan
D) Glutamic acid

86. In the human body fats are stored in the
A) adipose tissue
B) liver
C) epithelium
D) epidermis

87. Co-administration of probenecid and penicillin results in
A) Probenecid increases excretion of penicillin

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B) Probenecid decrease excretion of penicillin
C) penicillin increase excretion of Probenecid
D) penicillin decrease excretion of Probenecid

88. Most of the emergency contraceptives have one of the following active ingredients
A) Estradiol
B) Norethindrone
C) Misoprostol
D) Levonorgesterel

89. Tetanus is
A) fungal infection
B) viral infection
C) bacterial infection
D) protozoal infection

90. Which of the following is termed as good cholesterol?
A) HDL
B) LDL
C) LSD
D) BHC

91. Propranolol is given orally in higher dose than that of actual need because propranolol is destroyed by
A) Gastric acid
B) First pass metabolism
C) Normal flora of G.I.lumen
D) bile acid

92. The amino acid having no chiral carbon is
A) Glycine
B) phenyl alanine
C) Methionine
D) cysteine

93. Brine is a concentrated solution of
A) sodium hydroxide
B) sodium chloride
C) potassium chloride
D) potassium carbonate

94. A solid or semi solid mass meant to be inserted into body orifice is called
A) capsule
B) tablet
C) suppository
D) enema

95. Which one is the prokinetics?
A) Levosulbutamol
B) Levocetrizine
C) levodopa
D) Levosulpiride

96. Which of the following drug has minimum anti inflammatory activity
A) acetaminophen
B) aspirin
C) Ibuprofen
D) diclofenac sodium

97. Piperazine is used in the treatment of
A) Amoebiasis
B) helminthiasis
C) Giardiasis
D) malaria

98. Hydro alcoholic solutions for oral use containing sugar are called
A) syrups
B) spirits
C) Tinctures
D) Elixirs

99. Chloroquine is deposited in
A) kidney

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B) liver
C) Retina
D) teeth

100. Which of the following schedules included shelf life of drugs?

A) schedule F
B) schedule M
C) schedule G
D) schedule P

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PHARMACIST TEST PAPER-3

1. **Indicate the local anesthetic agent which has a shorter duration of action**
   A) Lidocaine
   B) Procaine
   C) Bupivacaine
   D) Ropivacaine

2. **Which of the following drugs is both a muscarinic and nicotinic blocker ?**
   A) Atropine
   B) Benztropine
   C) Hexamethonium
   D) Succinylcholine

3. **Which of the following effects is a related to direct Beta 1 adreno receptor stimulation ?**
   A) bronchodilation
   B) vasodilation
   C) Tachycardia
   D) bradycardia

4. **Which of the following antiseizure drugs is also effective in the treatment of trigeminal Neuralgia ?**
   A) Primidone
   B) Topiramat
   C) Carbamazepine
   D) Lamotrigine

5. **Which of the following agents is an inhibitor of aldehyde dehydrogenase ?**
   A) Fomepizole
   B) Ethanol
   C) Disulfiram
   D) Naltrexone

6. **The drug used as an oral anticoagulant**
   A) heparin
   B) Dalteparin
   C) Dicumarol
   D) Enoxaparin

7. **For which of the following conditions could Aspirin be used prophylactically**
   A) non cardiogenic pulmonary edema
   B) peptic ulcers
   C) Thromboembolism
   D) metabolic acidosis

8. **Which of the following anti depressions is a selective serotonin reaptake inhibitor ?**
   A) Phenelzine
   B) Desipramine
   C) Maprotiline
   D) Fluoxetine

9. **Following drugs stimulate erythrogenesis except**
   A) Iron dextran
   B) Vitamin B12
   C) Methotrexate
   D) Folic acid

10. **The specific antidote used in morphine toxicity**
    A) Picrotoxin
    B) penicillamine
    C) Naloxone
    D) Nimesulide

11. **Sucralfate is used in the treatment of**
    A) Hypertension
    B) Allergy
    C) Diabetes
    D) Ulcers

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12. The non sedating anti histaminic is
A) Terfenadine
B) Diphenylhydrazine
C) meclizine
D) Mepyramine

13. The anti HIV drug saquinavir is
A) Protease activator
B) nucleoside reverse transcriptase inhibitor
C) protease inhibitor
D) non nucleoside reverse transcriptase inhibitor

14. Which of the following is systemic antacid ?
A) sodium hydroxide
B) aluminium hydroxide
C) Sodium Bicarbonate
D) magnesium salts

15. The drug used in the first line therapy of tuberculosis is
A) Ethionamide
B) Ethambutol
C) cycloserine
D) Clofazimine

16. Choose the selective blocker of Beta 1 adreno receptor
A) Labetolol
B) prazocin
C) Atenolol
D) Propranolol

17. All the following statements regarding vasodilators are true except
A) Hydralazine causes tachycardia
B) Nifedipine is a dopamine receptor antagonist
C) Nitroprusside dilates both arterioles and veins
D) Minoxidil can cause hypertrichosis

18. Which of the following hormones is produced by anterior lobe of the pituitary ?
A) Thyrotropine releasing hormone
B) Corticotropin releasing hormone
C) Growth hormone
D) Insulin

19. The following adverse effect of corticosteroids is due to their mineralocorticoid action
A) Osteoporosis
B) Rise in blood pressure
C) Moon face
D) Increased susceptibility to infection

20. Which of the following opiods is more potent than morphine ?
A) Pethidine
B) Fentanyl
C) dextropropoxyphene
D) Tramadol

21. Select the drug which is neither analgesic nor anti inflammatory nor uricosuric but is highly effacacious in acute gout
A) Prednisolone
B) Colchicine
C) Naproxen
D) Sulfinpyrazone

22. Gold in Rheumatoid arthritis
A) can cause regression of degenerative lesions of this disease

B) can reduce the concentration of Rheumatoid factor
C) does not halt the progress of the disease
D) is employed as first line therapy

23. A naturally occurring carminative is
A) Asafoetida
B) asoka
C) Arjuna
D) Agar

24. The meaning of Latin term Rx
A) Take though
B) When necessary
C) send
D) Write

25. Pharmacokinetics is
A) the study of biological and therapeutic Effects of drugs
B) the study of absorption, distribution ,metabolism and excretion of drugs
C) the study of mechanism of drug action
D) the study of methods of New drug development

26. Which route of drug administration is most likely to lead to the first pass effect ?
A) Sublingual
B) Oral
C) Intravenous
D) Intramuscular

27. Parenteral administration
A) cannot be used with unconscious patients
B) general results in a less accurate dosage than oral administration
C) usually produces more Rapid response than oral administration
D) it's too slow for emergency use

28. The term biotransformation includes the following
A) accumulation of substances in a fat tissue
B) binding of substances with plasma protein
C) accumulation of substances in a tissue
D) process of physiochemical and biochemical alteration of a drug in the body

29. Half life is the time required to
A) change the amount of a drug in plasma by half during elimination
B) metabolize half of an introduced drug into the active metabolic
C) absorb a half of an introduced drug
D) bind a half of an introduced drug to plasma proteins

30. What term is used to describe a decrease in a responsiveness to a drug which develops in a few minutes ?
A) Refractoriness
B) cumulative effect
C) Tolerance
D) Tachyphylaxis

31. What does the term "potentiation" mean ?
A) Cumulative ability of a drug
B) Hypersensitivity to a drug
C) Fast tolerance developing
D) intensive increase of drug effects due to their combination

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32. A chelating agent used in the case of acute iron poisoning is
A) Sodium phosphate
B) Dimercaprol
C) Ferroin
D) Desferoxamine

33. Ocuserts are
A) Ear preparations
B) Nasal preparation
C) Oral preparation
D) Eye preparation

34. The DPO (Drug price control order) was exercised by central government in
A) 1985
B) 1995
C) 1987
D) 199u

35. The powerhouse of the cell is
A) Golgi bodies
B) mitochondria
C) nucleus
D) ribosomes

36. A Non-drug part added to formulation to add dilution, stability maintaining ,taste masking etc is known as
A) Preservative
B) Active ingredient
C) Additive
D) Binding agent

37. Causative agent of whooping cough is
A) Corynebacterium
B) Mycobacteria
C) Varicella
D) Bordetella

38. The disease caused by Ducrey's bacillus is
A) Gonorrhoea
B) Chancroid
C) syphilis
D) Lymphogranuloma

39. Epidemiological triad is
A) agent, host, environment
B) vector, career, environment
C) agent, vector, environment
D) agent, career, treatment

40. A selective Alpha 1 antagonist is
A) Yohimbine
B) Alprenolol
C) Prazosin
D) Timolol

41. Extrapyramidal Side Effects are caused by
A) analgesic
B) Barbiturates
C) anaesthetic
D) anti psychotic drugs

42. Unwanted effects nephroticity and Ototoxicity are caused by
A) penicillin
B) gentamycin
C) chloramphenicol
D) Ethambutol

43. 5 HT3 receptor antagonist used as antiemetic is
A) Buspirone
B) Physostigmine
C) Hyoscine
D) Ondensetron

44. During the manufacturing of tablets the separation of Tablet into two or more layers are called as

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A) Mottling
B) picking
C) capping
D) Lamination

45. The coating material used in the preparation of enteric coated tablets is
A) sugar
B) ethyl cellulose
C) polyethylene glycol
D) cellulose acetate pthalate

46. Impure blood (deoxygenated) carried by
A) Pulmonary artery
B) pulmonary vein
C) aorta
D) coronary artery

47. Indicate the use of Lanolin
A) colouring agent
B) viscosity controller
C) preservative
D) Emollient

48. Identification test for protein is
A) Molisch test
B) Kries test
C) Biuret test
D) Hydrolysis test

49. Thioglycolic acid is used in the limit test for
A) Chloride
B) Lead
C) Sulphate
D) Iron

50. Sterilization by autoclave is an example of
A) dry heat sterilization
B) Gaseous sterilization
C) radiation sterilization
D) moist heat sterilization

51. Identify the mechanism of hammer mill
A) attrition
B) cutting
C) impact
D) compression

52. The ability of the eye lens to adjust its focal length is called
A) magnification
B) accommodation
C) modulation
D) focal length

53. Selection of site is a
A) Significant decision
B) Insignificant decision
C) irrelevant decision
D) immaterial factor

54. Name the schedule in which the factory premises must comply
A) M
B) O
C) P
D) N

55. Sodium fluoride is used to prevent
A) dandruff
B) skin problems
C) ulcer
D) dental carries

56. HLB value of sodium Lauryl sulphate is
A) 18
B) 1.8
C) 11.6
D) 40

57. Indicate the chemical constituent of Vitamin D

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A) biotin
B) calciferol
C) ascorbic acid
D) Tocopherol

58. Among the following organs in which the perfusion rate is maximum
A) liver
B) kidney
C) lungs
D) heart

59. Which of the following drugs is a bronchodilator
A) Digoxin
B) Ranitidine
C) Salbutamol
D) Ecosprin

60. Laxatives are used in the management of
A) intestinal obstruction
B) Constipation
C) Diarrhoea
D) Appendicitis

61. Stimulation of the nicotinic receptor causes
A) increase secretion of saliva and gastric acid
B) bradycardia
C) bladder muscle contraction
D) muscle contraction and twitching

62. The first tranquilizer of phenothiazine in group of compound is
A) Prochlorperazine
B) Thioxene
C) Haloperidol
D) Chlorpromazine

63. Which of the following drugs is given for reducing weight
A) Fluoxetine
B) Flunarizine
C) Flumazenil
D) Fenfluramine

64. Which anti tubercular drug should be avoided during pregnancy ?
A) Isoniazid
B) Pyrazinamide
C) Streptomycin
D) Rifampicin

65. The phenomenon of decrease in the blood is called
A) Hypoglycemia
B) septicemia
C) Hypovolemia
D) Hypervolemia

66. The drug which is indicated for patients at risk of Reye's syndrome is
A) Ibuprofen
B) acetaminophen
C) Indomethacin
D) Aspirin

67. Which of the following is the side effect of Paracetamol
A) Bronchospasm
B) fall in blood pressure
C) diarrhoea
D) hepatotoxicity

68. Which of the following is a microsomal enzyme inducer
A) Indomethacin
B) Clofibrate
C) Tolbutamide
D) Glutethimide

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69. Spironolactone is a competitive antagonist of
A) Aldosterone
B) carbonic anhydrase
C) Oxytocin
D) All

70. Which of these is a bacterial disease
A) polio
B) malaria
C) tuberculosis
D) cancer

71. Gynecomastia may be the possible side effects of one of the following drug
A) Ketoconazole
B) Bromocriptine
C) Clotrimazole
D) Sufonamide

72. Beta blocker with membrane stabilizing activity
A) Propranolol
B) timolol
C) Atenolol
D) Esmolol

73. Which one of the following is a beta lactamase inhibitor?
A) Sulfonamide
B) Chloroquine
C) Primaquine
D) Sulbactum

74. Diarrhoea is a common side effect associated with
A) Paracetamol
B) Antibiotics
C) Drugs used for vomiting
D) Antacids

75. Which among the following is classified as folate antagonist?
A) Methotrexate
B) Quinine
C) Primaquine
D) Chloroquine

76. Alkylating agent used as Antineoplastic drug
A) Doxorubicin
B) Methotrexate
C) Vinblastine
D) Nitrogen Mustard

77. An example of potassium sparing diuretics
A) Mannitol
B) Acetazolamide
C) Triameterene
D) Chlorthalidone

78. Intake of which of the following shall be avoided by a patient taking an oral anticoagulant?
A) Cyanocobolamine
B) Thiamine
C) Meadine
D) Tocopherol

79. Drug used in uterine inertia
A) Tyrothricin
B) Terbinafine
C) Oxytocin
D) Miconazole

80. Which of the following glucocorticoid is a long acting drug?
A) Prednisolone
B) Dexamethasone
C) Triamcinolone
D) All of the above

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81. Which of the histamine H1 antagonist is noted for the serotonin blocking effect ?
A) Bromocriptine
B) Cyproheptadine
C) Suprastine
D) Dimedrol

82. The drug acts in the distal convoluted tubule.
A) Loop diuretics
B) Thiazide diuretics
C) potassium sparing diuretics
D) carbonic anhydrase inhibitors

83. The drug is usually give in combination with a thiazide diuretic
A) Acetazolamide
B) Furosemide
C) Hydrochlorothiazide
D) Amiloride

84. Choose the anti cancer drug , a Pyrimidine antagonist.
A) Fluorouracil
B) Mercaptopurine
C) Thioguanine
D) Methotrexate

85. The drug used for influenza A prevention
A) Acyclovir
B) Rimantadine
C) Saquinavir
D) Foscamet

86. Narcotic and psychotropic substances Act was passed in
A) 1985
B) 1963
C) 1940
D) 1938

87. Which is the oldest act about the drug
A) dangerous drug act
B) opium act
C) poison act
D) drugs act

88. What is the best method to dispose Hospital waste
A) composting
B) dumping
C) chemical treatment
D) incineration

89. Which of the following statements is true with respect to leukaemia ?
A) number of RBCs increases in blood
B) number of WBCs increases in blood
C) number of both RBCs and WBCs decreases in blood
D) number of WBDs is decreases in blood

90. Ready source of energy available for athletes is
A) carbohydrates
B) fats
C) proteins
D) vitamins

91. Pregnant woman is advised to undergo abortion if she contracts a disease called
A) Measles
B) Smallpox
C) Chicken pox
D) German measles

92. Heterocyclic ring present in Indomethacin
A) Imidazole

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B) Indole
C) Indoline
D) Quinoline

93. Agar is obtained from
A) Green algae
B) Blue Algae
C) Red Algae
D) Blue green algae

94. Locally applied protein precipitants are called
A) Astringents
B) Antiseptics
C) Disinfectants
D) Protectives

95. Glycoside present in the cinchona bark
A) Quinine
B) Cinchonidine
C) Cinchonin
D) Quinovin

96. Which of the following is not an instability problem of emulsion ?
A) Creaming
B) Phase inversion
C) Cracking
D) Flashing

97. Which among the following preparation is applied to body cavity
A) collodion
B) Liniments
C) Douches
D) Paints

98. Acetazolamide inhibits the enzyme
A) Alcohol dehydrogenase
B) Aldehyde dehydrogenase
C) Carbonic anhydrase
D) pyruvate dehydrogenase

99. Which among the following is a non reducing sugar ?
A) sucrose
B) glucose
C) maltose
D) lactose

100. Which of the following is not the use of propranolol ?
A) Glaucoma
B) Cataract
C) Migraine
D) Hypertension

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PHARMACIST TEST PAPER - 4

1. **Which sulphonamide is used topically for burn case?**
   A) sulfacetamide
   B) sulfamethoxazole
   C) sulfasalazine
   D) silver sulfadiazine

2. **In iodometric titration which indicator is used?**
   A) bromothymol blue
   B) soluble starch
   C) phenol red
   D) ferroin indicator

3. **Limit test for iron,citric acid is mixed because it -**
   A) maintain pH
   B) Prevent precipitation of iron with ammonia
   C) acts as oxidant
   D) reduces surface tension

4. **Regulation and standards for ophthalmic ointments and solutions is specified in**
   A) schedule M
   B) Schedule FF
   C) Schedule O
   D) Schedule P

5. **The purpose of phase 1 and phase 2 metabolism of drug to make the metabolite**
   A) more polar
   B) less polar
   C) more hydrophobic
   D) less hydrophilic

6. **Which of the following is a non steroidal estrogen?**
   A) Ethinylestradiol
   B) Mestranol
   C) tibolone
   D) stilbestrol

7. **Specific benzodiazepine antagonist is**
   A) Flumazenil
   B) Fludrocortisone
   C) 5-fluorouracil
   D) flutamide

8. **Tetracycline group of drugs is contraindicated with milk and milk products due to**
   A) conjugation
   B) hydroxylation
   C) chelation
   D) oxidation

9. **Which one is the mood elevator?**
   A) Acyclovir
   B) Amantadine
   C) Azadirectin
   D) zidovudine

10. **Which one is the addicting antitussive?**
    A) glycyrrhizin
    B) vasicine
    C) tolu balsam
    D) codeine

11. **Which one is the penicillanase enzyme inhibitor?**
    A) clavulanic acid
    B) hexadecanoic acid
    C) ethacrynic acid
    D) pantothenic acid

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12. Popular intrauterine contraceptive device is
A) cream
B) foam tablet
C) copper T
D) Condom

13. Coma shaped bacteria is
A) cocci
B) bacilli
C) vibrio
D) spirochaetes

14. The injectable contraceptive is
A) Depomdroxy progesterone acetate
B) Ethisterone
C) progesterone
D) None of the above

15. The disease that damage the immunity system of body is
A) Leprosy
B) Leukemia
C) Cancer
D)AIDS

16. Unsaturated fatty acid is
A) stearic acid
B) Lauric acid
C) Palmitic acid
D) Linoleic acid

17. Protein energy malnutrition causes
A) Marasmus
B) Obesity
C) Diabetes
D) Cancer

18. Causative agent Diphtheria is
A) Corynebacterium diphthereae
B) Clostridium tetani
C) Entaboeba
D) Salmonella

19. Reseve food of plant is
A) glycogen
B) starch
C) glucose
D) pectin

20. Causative agent of measles is
A) Rubeola virus
B) polio virus
C) V-Z virus
D) None of the above

21. Chloroxylenol is
A) Dettol
B) Lysol
C) Eusol
D) Phenol

22. Diphtheria affects most commonly the
A) upper respiratory tract
B) brain
C) intestine
D) kidneys

23. Most food poisoning is caused by species of
A) Typhus
B) Salmonella
C) Shigella
D) Tetanus

24. Acetazolamide is
A) Diuretic
B) Carbonic anhydrase inhibitor
C) used in glaucoma
D) all the above

25. Purely synthetic antibiotic is
A) chloramphenicol
B) erythromycin
C) penicillin
D) streptomycin

26. Cardiac glycoside used in C.C.F. is
A) Digitoxin
B) Emetine

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C) Acetylcholine
D) Lasix

27. Chlorpromazine is used as
A) Tranquiliizer
B) Anticonvulsant
C) Antihypertensive
D) All of the above

28. A miotic used in glaucoma is
A) chloroquine
B) Ephedrine
C) Pilocarpine
D) Amphetamine

29. Hormone used in bronchial asthama as bronchodilator is
A) Ephedrine
B) Salbutamol
C) Adrenaline
D) Tubocurarine

30. A drug belongs to hallucinogens
A) Emetine
B) Atropine
C) L.S.D.
D) D.D.S.

31. The education regulations are laid down by
A) central government
B) state government
C) pharmacy council of india
D) state pharmacy council

32. The committee that advises the D.T.A.B. and various government is
A) D.C.C.
B) D.E.C.
C) D.C.I.
D) P.C.I.

33. Cure for blindness is an example of the following advertisement
A) Prohibited
B) Exempted
C) Bonafied
D) Permitted

34. The poisons act was passed in the year
A) 1857
B) 1919
C) 1940
D) 1971

35. Coca , opium and hemp come under
A) poisons act
B) pharmacy act
C) insecticide act
D) Dangerous drugs act

36. A morphine derivative which causes addiction
A) Amphetamine
B) Heroin
C) Pethidine
D) Diazepam

37. A genetically determined abnormal drug reaction
A) Tachyphylaxis
B) Idiosyncrasy
C) Teratogenecity
D) Allergy

38. A drug used to deter alcoholics from drinking
A) caffeine
B) Disulfiram
C) Amphetamine
D) Diazepam

39. Overuse of digitalis may result in
A) Habituation
B) Tolerance
C) Cumulative poisoning
D) Physical dependence

40. Which of the following may be used as plasma expanders?
A) sodium salts

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B) starches
C) calcium salts
D) dextran

41. BAL (British Anti Lewsite) is used to counter the toxic effect of
A) Digitalis
B) Atropine
C) Morphine
D) Mercury

42. Which of the following is contraindicated in the presence of active tuberculosis?
A) I.N.H.
B) PABA
C) PAS
D) Hydrocortisone

43. A specific narcotic antagonist is
A) Meperidine
B) Nalorphine
C) Universal antidote
D) Polybrene

44. Organic pesticides may be effectively counteracted by
A) Pentazocine
B) Dopamine
C) Pralidoxime
D) Charcoal

45. The greatest threat from morphine poisoning is
A) Respiratory depression
B) Renal disfunction
C) Paralysis of spinal cord
D) None of the above

46. ABC analysis is based on
A) Unit price material
B) consumption value of material
C) storage value of material
D) all of the above

47. Inventory is a
A) Significant part of cost
B) Negligible part of cost
C) Ignorable part of cost
D) Any of the above

48. Purchase indent is an
A) Internal document
B) legal document
C) external document
D) Any of the above

49. Which of the data of marketing research is more reliable ?
A) primary data
B) secondary data
C) both
D) none

50. In the journal, transactions are recorded
A) account wise
B) nature wise
C) year wise
D) date wise

51. The transactions are recorded in ledger
A) Year wise
B) Month wise
C) Date wise
D) Account wise

52. The balance of cash account shows
A) cash in hand
B) new expenditure
C) net income
D) none of the above

53. Cash sales are recorded in
A) cash book
B) sales book
C) journal proper
D) none of the above

54. Trial balance is a/an
A) account
B) statement

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C) subsidiary book
D) schedule

55. Chemically , Phenytoin is
A) 6,5-diphenyl hydantoin
B) 5,5- diphenyl hydantoin
C) 4,3- diphenyl hydantoin
D) 2,4- diphenyl hydantoin

56. Animal used in pyrogen testing is
A) Frog
B) Guinea pig
C) Rabbit
D) Rat

57. Mebendazole is a derivative of
A) Quinoline
B) indoline
C) Benzimidazole
D) Quinazoline

58. An aminoglycoside antibiotic used in T.B. is
A) Streptomycin
B) Erythromycin
C) Cycloserine
D) Rifamycin

59. Steroidal anti inflammatory agent is
A) Indomethacin
B) Ibuprofen
C) Prednisolone
D) Diclofenac

60. Steroidal diuretic is
A) Frusemide
B) Chlorthiazide
C) Spironolactone
D) Ethacrynic acid

61. A tetracyclic antidepressant is
A) Imipramine
B) Desipramine
C) Amitryptiline
D) Mianserin

62. Phenylephrine is a
A) Cough suppressant
B) Expectorant
C) Carminative
D) Decongestant

63. Xanthine derivative used as diuretic is
A) Caffeine
B) Theophylline
C) Theobromine
D) None of the above

64. Deficiency of iodine causes
A) Thyrotoxicosis
B) Goitre
C) Hyperthyroidism
D) None of the above

65. Theophylline is a derivative of
A) Furan
B) Xanthine
C) Pyrimidine
D) Thiazole

66. Tropane heterocyclic ring present in
A) Atropine
B) Cocaine
C) Scopolamine
D) All of the above

67. Indole derivative used as anticancer agent is
A) Vincristine
B) Indocid
C) Aspirin
D) Diclofenac

68. Progesterone is usually administered in the form of
A) Capsule
B) Oral suspension
C) Intramuscular injection
D) Ointment

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69. Pethidine is administered in the form of
A) injection
B) capsule
C) ointment
D) lotion

70. Sodium lauryl sulphate is a
A) surface active agent
B) glycoside
C) alkaloid
D) emulsifying agent

71. Cetrimide is an example of
A) cationic surface active agent
B) dye
C) phenol
D) None of the above

72. Sodium sachharin is a
A) solvent
B) Antioxidant
C) sweetening agent
D) flavouring agent

73. A suppository base contains
A) Bees wax
B) Soft paraffin
C) Oil of theobroma
D) Bentonite

74. A grain equivalent to
A) 70 mg
B) 60 mg
C) 64.8 mg
D) 15 mg

75. One fluid ounce is equal to
A) 30 ml
B) 20 ml
C) 10 ml
D) 25 ml

76. Aromatic spirit of ammonia is used as
A) Diaphoretic
B) stimulant
C) Disinfectant
D) Depressant

77. Parenteral preparation are tested for
A) Pyrogens
B) Hardness
C) Alkalinity
D) Total solids

78. The total lung capacity is
A) Tidal volume
B) Vital capacity
C) Inspiratory volume
D) Expiratory volume

79. Destrusor muscle is present in
A) Gall bladder
B) Renal pelvic
C) Urinary bladder
D) Ureter

80. Which of the following is used to measure kidney function?
A) Insulin
B) Inulin
C) Mannitol
D) Urea

81. An enzyme produced in kidney which controls the B.P. is
A) Erythropoietin
B) Renin
C) Melanin
D) Serotonin

82. The cardiac output per minute in normal adult is
A) 5 litres
B) 7 litres
C) 9 litres
D) 8 litres

83. Approximate stroke volume is
A) 40 ml
B) 50 ml

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C) 60 ml
D) 70 ml

84. Right side of heart contains
A) impure blood
B) pure blood
C) mixed blood
D) oxygenated blood

85. Pacemaker is present in
A) left atrium
B) left ventricle
C) right atrium
D) left ventricle

86. The main function of W.B.C. is
A) Coagulation
B) Phagocytosis
C) Pinocytosis
D) Transport of gases

87. The stationary phase used in thin layer chromatography is
A) silica gel
B) wax
C) Octadecyl selanol
D) Starch

88. Which of the following is not a local anaesthetic?
A) procaine
B) cocaine
C) lignocaine
D) Ecgonine

89. A method of codification of various items of drug store is
A) Alphabetical method
B) Mneomenic method
C) Numerical method
D) all of the above

90. Objective of trial balance is
A) to help in locating errors
B) to help in the preparation of final accounts
C) to ascertain the arithmetical accuracy of the ledger
D) none

91. Registered pharmacist certificate is issued by
A) pharmacy council of india
B) state pharmacy council
C) drug controller
D) drug inspector

92. The budget is usually for a period of one or two years is
A) long term budgets
B) short term budgets
C) current budgets
D) none

93. Objective of sales promotion is
A) to introduce new products
B) to attract new customers
C) to popularise a brand name of the product
D) all the above

94. When a firm maintains a cash book ,it need not maintain
A) sales journal
B) purchases journal
C) general journal
D) cash account in the ledger

95. Sale of inventory shall usually
A) decrease the current assets
B) increase the current assets
C) will not affect the current assets
D) all of the above

96. The liability of a partner in regard to the debt of a firm is
A) limited
B) unlimited
C) joint liability
D) no liability

97. Heavy machinery sold to the consumer by
A) direct selling

B) indirect selling
C) functional middle men
D) merchant middle man

98. The balance of cash account shows
A) cash in hand
B) new expenditure
C) net income
D) none of above

99. The "imprest system" is used in relation to
A) sales book
B) purchase book
C) petty cash book
D) journal proper

100. A contra entry is recorded in
A) simple cash book
B) double column cash book
C) triple column cash book
D) none of the above

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PHARMACIST TEST PAPER - 5

1. **Lyophilization means**
   A) freeze dryer
   B) fluidised bed dryer
   C) spray dryer
   D) vacuum dryer

2. **Reduction in chemical reaction is the**
   A) gain of hydrogen
   B) loss of hydrogen
   C) gain of Nitrogen
   D) gain of oxygen

3. **Cranial nerves arises from the**
   A) lungs
   B) kidney
   C) heart
   D) brain

4. **Cryoscopic method is used to adjust**
   A) viscosity
   B) isotonicity
   C) particle size
   D) diffusion

5. **What is a AYUSH?**
   A) Ayurveda, yoga, Unani, Siddha and Homeopathy
   B) Ayurveda, Unani, Siddha and Homeopathy
   C) Ayurveda,yoga,Unani Siddha and herbal
   D) allopathy, Unani,Siddha and Homeopathy

6. **Lecithin is an example of**
   A) amine type of antioxidant
   B) Quinoline type of antioxidant
   C) Phenolic type of antioxidant
   D) Organic acids, alcohols and esters

7. **Synonym for indian squill is**
   A) Liquorice root
   B) Arrow poison
   C) Yam
   D) Sea onion

8. **B.C.G. vaccine is a bovine strain of**
   A) mycobacterium tuberculosis
   B) Salmonella typhi
   C) hepatitis virus
   D) para influenza virus

9. **Commonly used Spice clove is obtained from**
   A) Flower buds
   B) root
   C) leaf
   D) Rhizomes

10. **Aspirin should be used with caution in**
    A) asthma
    B) headache
    C) fever
    D) tachycardia

11. **Absorption of radiation can be measured by using**
    A) spectrophotometry
    B) polarimetry
    C) flame photometry
    D) voltametry

12. **Internationally accepted method of measuring obesity is**
    A) Body Mass index
    B) Sullivans index
    C) Ponederal index
    D) H-index

13. **Smallpox vaccine is a**
    A) bacterial vaccine
    B) anti serum

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C) viral vaccine
D) toxoid

14. Axis is a bone of
A) skull
B) forearm
C) leg
D) spinal cord

15. The source of vincristine is
A) solanum paniculatum
B) Ricinus communis
C) Punica granatum
D) Catharanthus roseus

16. Lignans are the constituents of
A) flax seed
B) soy
C) pomegranate
D) Lycopene

17. G protein coupled receptor
A) A bundle of 7 Alpha helices
B) a bundle of 4 Alpha helices
C) a bundle of 6 Alpha helices
D) a bundle of 5 Alpha helices

18. Mild shampoos are prepared with
A) amphoteric surfactant
B) anionic surfactant
C) non-ionic surfactant
D) cationic surfactant

19. Calcitonin is secreted by
A) adrenals
B) thyroid
C) parathyroid
D) thymus

20. Sodium bicarbonate is commonly known as
A) caustic soda
B) baking soda
C) rochelle salt
D) epsom salt

21. Buffers are added in the sterile products to maintain
A) Sterility
B) Viscosity
C) Isotonicity
D) pH

22. Entamoeba histolytica belongs to class
A) protozoa
B) virus
C) bacteria
D) fungus

23. Pure alpha 2 blocker is
A) prazocin
B) Indoramin
C) Metaraminol
D) Yohimbine

24. The drug of choice in trigeminal Neuralgia
A) Carbamazepine
B) phenytoin
C) sodium valproate
D) Ethosuximide

25. The drug which increases uterine motility is
A) Oxytocin
B) Rotodrine
C) Atosiban
D) Nifedipine

26. The drug which is an inhibitor of intenstinal Alpha glucosidases is
A) Metformin
B) Meglitinide
C) Miglitol
D) Glibenclamide

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27. The most common side effect of nitroglycerine is
A) Diarrhoea
B) Headache
C) Hypertension
D) Sedation

28. _____ is a serious and potential adverse effect of potassium sparing diuretics used as anti hypertensive
A) hypokalemia
B) hyperkalemia
C) hypocalcemia
D) hypercalcemia

29. An Antineoplastic agent acting by folate antagonism and having pteridine ring is
A) Trimethoprim
B) Mercaptopurine
C) Methotrexate
D) Folic acid

30. Which one of the following sulphonamide drug is used for treatment of various urinary tract infections?
A) Sulphadiazine
B) dapsone
C) Sulphafurazole
D) sulpha acetamide

31. Dopamine receptor agonist is
A) Ropinirole
B) selegiline
C) Tolcapone
D) Amantadine

32. Graves disease is associated with
A) excessive secretion of adrenaline
B) excessive secretion of insulin
C) excessive secretion of serotonin
D) excessive secretion of thyroid hormones

33. Cell medicated type of allergic reaction is
A) Type 1 reaction
B) type 2 reaction
C) type 3 reaction
D) type 4 reaction

34. Mifepristone is a
A) anti progestin drug
B) progesterone derivative
C) synthetic estrogen
D) anti estrogen drug

35. The following drugs are thiomide group of antithyroid drug except
A) Thiourea
B) Propylthiouracil
C) Carbimazole
D) Potassium perchlorate

36. Which protein pump inhibitor shows maximum bioavailability?
A) Ameprazole
B) pantoprazole
C) lansoprazole
D) Rabeprazole

37. Bacterial exotoxins are
A) protein in nature
B) carbohydrate in nature
C) lipids in nature
D) lipopolissaccharides in nature

38. Which of the following is a combined vaccine?
A) DPT vaccine
B) Hib vaccine
C) Var vaccine
D) hepatitis b vaccine

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39. Which of the following is an adulterant of Senna?
A) Cassia acutifolia
B) cassia angustifolia
C) cassia obovata
D) cassia marilandica

40. Flavonoids are synthesized from which metabolic pathway?
A) TCA cycle
B) Mevalonic acid pathway
C) Shikimic acid pathway
D) Glycolysis

41. Folic acid is _____ derivative
A) pyridine
B) pteridine
C) Piperidine
D) thiazole

42. Estradiol is a
A) male sex hormone
B) female sex hormone
C) pituitary hormone
D) parathyroid hormone

43. Volatile oil Used as mosquito repellent is
A) pyrenthrum oil
B) lemon grass oil
C) sandal wood oil
D) Rosemery oil

44. Atropine alkaloid is a/an
A) acid
B) alcohol
C) Ester
D) ketone

45. The clinical trials details are given in
A) schedule A
B) Schedule M
C) schedule K
D) schedule Y

46. Penicillin V is
A) Ampicillin
B) Amoxicillin
C) Phenoxy methyl penicillin
D) Benzyl penicillin

47. Pyrimidine analogue drug is used in Cancer therapy
A) Vinblastine
B) Thioguanine
C) 5- Fluorouracil
D) Methotrexate

48. Urea and diethyl malonic Easter are starting material for the synthesis of
A) Procaine
B) Barbitone
C) Chlorpheniramine
D) paracetamol

49. Volatile oil belongs to the category of
A) steroids
B) terpenes
C) Alkaloids
D) fixed oil

50. Which of the following antineoplastic agent is comes under alkylating agents ?
A) Mercaptopurine
B) Methotrexate
C) Fluorouracil
D) Chlorambucil

51. The main function of Central drug laboratory is
A) to analyse drugs and cosmetics
B) to frame education regulations
C) to advise the central government

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D) to advise the state government

52. Gutzeit apparatus is used to detect which impurities in pharmaceuticals?
A) Ba
B) Pb
C) Zn
D) As

53. Blood dyscrasis is occurred due to the side effect of
A) Tetracycline
B) Ciprofloxacin
C) Chloramphenicol
D) Rifampicin

54. Sun Ray is good sterilizing agent due to
A) X-Ray
B) Gamma ray
C) VIBGYOR
D) UV ray

55. Mendel's paint contains
A) I 2
B) Zn
C) Sn
D) Hg

56. Rate of drug dissolution from the tablet is related with
A) Fick's law
B) Henderson -Haselbalch equation
C) Noyes-Whitney equation
D) Michaelis -Menten equation

57. Disinfectant property of a solution can be determined by
A) Friedel craft reaction
B) Cannizzaro reaction
C) Rideal Walker test
D) Zeihl Nelson method

58. Electrophoresis the process by which we can separate out
A) protein
B) lipid
C) urine
D) carbohydrate

59. Pore size of membrane filter is
A) 0.75 microns
B) 0.2 microns
C) 0.4 microns
D) 1 microns

60. Ocuserts, a dosage form device is placed in
A) Tongue
B) Rectum
C) vagina
D) Conjunctiva

61. HEPA filter in laminar air flow hood contains
A) 4 types of filter
B) 3 Types of filter
C) 2 types of filter
D) 1 type of filter

62. The drug extensively used for the treatment of both glaucoma and hypertension is
A) atropin sulphate
B) pilocarpine nitrate
C) acetazolamide
D) Propanolol

63. Which one is Dimercaprol?
A) BAL
B) GABA
C) EDTA
D) BHC

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64. The Primary organ for excretion of most drugs is
A) kidney
B) liver
C) lungs
D) skin

65. Which one is rod shaped bacterium?
A) Vibrio cholerae
B) staphylococcus aureus
C) Escherichia coli
D) Neisseria Gonorrhoea

66. Water for injection differs from sterile distilled water as it is free from
A) CO2
B) Pyrogen
C) Living bacteria
D) Preservative

67. The colour of KI is
A) yellow
B) Brown
C) white
D) red

68. Cobalt is a constituent of
A) Folic acid
B) vitamin B 12
C) Biotin
D) Vitamin K

69. Diacetyl morphine is
A) Fentanyl
B) Heroin
C) Codeine
D) Noscopine

70. Which one is xanthine oxidise inhibitor?
A) purine
B) Allopurinol
C) Propanolol
D) Timolol

71. Which form of alkaloids is more active
A) meso form
B) dextro form
C) Levo form
D) Racemic form

72. Organisms that can grow on organic matter from dead plants and animals are called
A) parasites
B) mesophytes
C) saprophytes
D) Epiphytes

73. Omega 3 fatty acid have which of the following functions
A) prevents osteoarthritis
B) prevents night blindness
C) prevents Parkinsonism
D) prevents Arthrosclerosis

74. The reason of incorporation of Vitamin C along with iron preparation is
A) for sustained action
B) conjugation
C) avoidance of constipation
D) helps conversion and absorption

75. Follicle stimulating hormone (FSH) and interstitial cells stimulating hormone(ICSH)are secreted from the
A) posterior pituitary
B) hypothalamus
C) testis
D) Anterior Pituitary

76. Penicillin is obtained from

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A) mould
B) bacteria
C) protozoa
D) Yeast

77. Lieberman-Burchard test is used for the detection of
A) alkaloid
B) steroid
C) protein
D) carbohydrate

78. The ratio of Sulphametoxazole and Trimethoprim
A) 1 : 5
B) 2 : 5
C) 3 : 5
D) 5 : 1

79. Which one of the formulation is a pressureised drug delivery system?
A) Nanosomes
B) Aerosols
C) Implants
D) Liposomes

80. Which one has fibrinolytic / antiplatelet activity?
A) Aspirin
B) Paracetamol
C) Pheylbutazone
D) Pethidine

81. Sodium metabisulphate is used as
A) Buffer
B) Antiemetic
C) Antioxidant
D) Antiulcer

82. Nalorphine is an antagonist of
A) Opium
B) Morphine
C) Codeine
D) Thebaine

83. Dengue is caused by
A) Prion
B) DNA virus
C) RNS virus
D) Mycoplasma

84. Which one is not dopaminergic congener?
A) Dopamine
B) L-dopa
C) Carbidopa
D) 5-HT

85. The patient cannot tolerate enalapril, which of the following can be substituted?
A) omeprazole
B) losartan
C) Rosiglitazone
D) Clofibrate

86. From which layer of intestine, the surgical catgut is obtained?
A) Mucous layer
B) Muscular layer
C) Submucosal layer
D) Serous layer

87. Famotidine acts as
A) H2 histamine antagonist
B) H1 histamine antagonist
C) Proton pump inhibitor
D) H1 agonist

88. Which one is the Tropic hormone of testosterone?
A) TSH
B) GTH
C) STH
D) ACTH

89. An abrasive used in dentifrices is

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A) Dicalcium phosphate
B) sodium carboxymethyl cellulose
C) sodium Lauryl sulphate
D) dioctyl sodium sulfosuccinate

90. Ergot is
A) fruit
B) seed
C) bacteria
D) fungus

91. A plasticizer and a high boiling point solvent used in the preparation of nail lacquers is
A) butyl stearate
B) ethyl lactate
C) ethyl alcohol
D) acetone

92. Oxytocic effect means
A) smooth muscle constrictor
B) uterine smooth muscle relaxant
C) uterine smooth muscle constrictor
D) cardiac smooth muscle relaxant

93. A co-solvent used in the preparation of parenteral product is
A) Benzyl alcohol
B) Methyl alcohol
C) Dimethyl acetamide
D) Phenol

94. The ratio of the void volume to the bulk volume of the packing of the Powder is called as
A) porosity
B) true density
C) granular density
D) bulk density

95. Point out the relationship between atropine and pilocarpine
A) agonist
B) antagonist
C) both A and B
D) obtain from same plant

96. Colchicine induces
A) Gout
B) Polyploidy
C) urate crystal elimination
D) Both B and C

97. Anthraquinone glycoside is used as
A) cardiotonic
B) purgative
C) diuretic
D) Anti Diabetic

98. The chairman of the Drugs Technical Advisory Board is
A) The drugs controller of India
B) The director, Central drugs laboratory,Kolkata
C) The president,Pharmacy Council of India
D) The Director General of Health Services

99. A macrolide antibiotic used as a powerful immunosuppressive agent is
A) Erythromycin
B) Azithromycin
C) Tacrolimus
D) Clarithromycin

100. Mixing of semisolids is carried out using
A) double cone mixer
B) rotating cube mixer
C) planetary mixer
D) fluidized bed mixer

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PHARMACIST TEST PAPER -6

1. **Antidote for Mercury poisoning is**
   A) Dimercaprol
   B) Atropine
   C) D-Penicillamine
   D) Naloxone

2. **Father of medicine**
   A) Plato
   B) Aristotle
   C) Hippocrates
   D) None

3. **Standards of ophthalmic preparation is given in schedule**
   A) F1
   B) F2
   C) F3
   D) FF

4. **Which of the following is not direct tax**
   A) sales tax
   B) Estate tax
   C) Corporation tax
   D) wealth tax

5. **Which drug is most likely to cause a photo sensitivity reaction?**
   A) Cloxacillin
   B) penicillin v
   C) ciprofloxacin
   D) tetracycline

6. **The name of an anti amoebic drug having Imidazole ring and nitro group in its structure is**
   A) Metronidazole
   B) Carbimazole
   C) Methimazole
   D) Methotrexate

7. **The heterocyclic ring present in isoniazide is**
   A) Piperidine
   B) Pyridine
   C) Pyrole
   D) Pyrazole

8. **Paracetamol is a**
   A) alcohol
   B) phenol
   C) phenolic ketone
   D) phenolic Easter

9. **Which of the following can increases the serum levels of penicillins significantly**
   A) salicylates
   B) antacids
   C) phenothiazine
   D) probenecid

10. **Which of the following drugs undergo marked hydrolysis in GIT?**
    A) Aspirin
    B) Paracetamol
    C) Ampicillin
    D) Penicillin- G

11. **The diuretic specially useful to induce diuresis in cases of poisoning ?**
    A) Mannitol
    B) Chlorthalidone
    C) Triameterene
    D) Bumetanide

12. **Which of the following is not a thiazide effect?**
    A) hypokalemia
    B) hypoglycemia
    C) hyperglycemia
    D) hyperurecemia

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13. Inventory is a
A) negligible cost
B) actual cost
C) manufacturing cost
D) significant part cost

14. Sulfobromopthalin sodium is mainly used to test function
A) Heart
B) Kidney
C) Liver
D) Brain

15. Crystalluria and haematuria are problems with this class of antibacterial drugs
A) Diuretics
B) Sulfonamide
C) Cephalosporin
D) Antibiotic

16. Trachoma is caused by
A) Chlamydia trachosis
B) Neisseria Gonorrhea
C) cytomagalo virus
D) Treponema pallidum

17. Carbohydrate is stored in the body principally as
A) maltose
B) sucrose
C) glucose
D) glycogen

18. An example of lipoprotein is
A) Lecithin
B) xanthine oxidase
C) Haemoglobin
D) Mucin

19. Opacity of the lens in eye results in
A) cataract
B) trachoma
C) glaucoma
D) colour blindness

20. Which of the following enzymes catalyzes the formation of uric acid from purines?
A) Urease
B) MAO
C) Uricase
D) Xanthine oxidase

21. The centre of the brain regulating body temperature is in the
A) medulla
B) Pons
C) Hypothalamus
D) Thalamus

22. The process by which genetic information flows from RNA to protein is
A) replication
B) translation
C) mutation
D) transcription

23. Deficiency of Vitamin K produces
A) bleeding disorders
B) osteomalacia
C) scurvy
D) anaemia

24. Requirement and guidelines on clinical trials for import and manufacturing of new drugs are given in which schedule ?
A) V
B) Y
C) W
D) X

25. Tinnevelly senna is
A) senna
B) cassia senna

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C) Alexandrian senna
D) Indian senna

26. The disintegration time of compressed tablets is
A) 60 minutes
B) 30 minutes
C) 15 minutes
D) 2 hours

27. S.O.S. means
A) slowly
B) Frequently
C) when pain is severe
D) when necessary

28. The gas used widely for sterilization of medical products
A) ethylene
B) formaldehyde
C) nitrous oxide
D) ethylene oxide

29. The most important muscle useful in respiration
A) Deltoid muscle
B) biceps
C) Pectoralis major
D) intercostal muscle

30. Myopia is corrected by wearing
A) Biconcave lens
B) cylindrical lens
C) convex lens
D) all of the above

31. Drug which inhibits carbonic anhydrase enzyme
A) Spironolactone
B) Mannitol
C) Frusemide
D) Acetazolamide

32. 'Quotidie' means
A) Once only
B) Two times daily
C) three times daily
D) daily

33. The difference between debit and credit is
A) posting
B) balancing
C) totalling
D) balance

34. If chloroquine is given in G6PD deficiency it leads to
A) Ascitis
B) optic neuritis
C) Nephrotic syndrome
D) severe bleeding

35. Which among the below is the function of insulin
A) inhibit production of FSH
B) intake of sugar from the blood in a tissue
C) ovulation
D) releasing of breast milk

36. Phenobarbitone is
A) intermediate acting
B) Ultra short acting
C) long acting
D) short acting

37. Pharmacodynamics is the study of
A) what the body does to the drug
B) selection of drug
C) method of drug does to body
D) what the drug does to the body

38. Which among the following drugs is absorbed from the stomach
A) metropolol
B) quinine
C) aspirin
D) aminopyrine

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39. Chemical changes of the drugs in a living body are referred to as
A) digestion
B) biotransformation
C) absorption
D) radiation

40. Morphine derivatives are contraindicated in
A) renal colic
B) abdomen pain
C) head injury
D) burns

41. Captopril is a/an
A) Calcium channel blocker
B) diuretic
C) ACE inhibitor
D) Angiotensin antagonist

42. Which of the following drug acts as a mucolytic?
A) Codeine
B) Carbocisteine
C) Chlorpheniramine
D) Salbutamol

43. Which one of the following is a Beta blocker
A) benzopyrene
B) Clonidine
C) Atenolol
D) Amlodipine

44. Plasma sodium electrolyte disturbance can be caused by
A) Salbutamol
B) Bromohexine
C) Propranolol
D) Prednisolone

45. Dapsone is a medicine used in the treatment of
A) Tuberculosis
B) Leprosy
C) Malaria
D) Epilepsy

46. Dryer used for the production of milk powder
A) drum dryer
B) tunnel dryer
C) tray dryer
D) spray dryer

47. One full teaspoon means
A) 5 ml
B) 10 ml
C) 15 ml
D) 20 ml

48. Size reduction of heat sensitive material is done by
A) ball mill
B) fluid energy mill
C) cutter mill
D) hammer mill

49. Maillard's reaction is related to
A) Diluents
B) Binder
C) Disintegrant
D) Surfactant

50. Filter aid is
A) Kieselgur
B) Talc
C) Charcoal
D) All of the above

51. A drug consist in , full or in whole or in part, of any filthy putrid or decomposed substance
A) Adulterated drug
B) Spurious drug
C) Misbranded drug
D) Parent drug

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52. The pharmacy Act was passed in the year
A) 1950
B) 1965
C) 1948
D) 1947

53. Casein is an example of
A) Nucleoproteins
B) phospoprotein
C) Chromoproteins
D) Lipoproteins

54. Which vitamin is known as antisterility factor ?
A) Vitamin K
B) Vitamin D
C) Vitamin E
D) Vitamin A

55. Example of an antioxidant
A) caffeine
B) orinase
C) Doxidan
D) Gallic acid

56. Shick test is performed to test the degree of immunity against
A) Tuberculosis
B) Tetanus
C) Rabies
D) Diphtheria

57. High count of WBC is an indication of
A) influenza
B) measles
C) leukaemia
D) typhoid

58. The heart is covered by a membrane called
A) epidermis
B) dermis
C) epicardium
D) pericardium

59. Element that is not found in the blood is
A) iron
B) copper
C) chromium
D) magnesium

60. Which of the following is NRTI ?
A) Saquinavir
B) Abacavir
C) Indinavir
D) Ritonavir

61. Chloroquine is an anti malarial drug which belongs to the class of
A) 4 amino quinoline
B) 3 amino quinoline
C) 2 amino quinoline
D) 8 amino quinolone

62. Ganciclovir is used as
A) CMV retinitis
B) Anti-influenzal drug
C) Anti-helmith drug
D) Anti-leprotic drug

63. Site of ADH action is
A) Proximal tubules
B) Loop of henle
C) vasa recta
D) collecting tubules

64. A 5-HT 1B/1D receptor agonist useful in migraine is
A) Sumatriptan
B) Ketanserin
C) Ergotamine
D) Methysergide

65. Hypokalemia is associated with all except

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A) ACE inhibitors
B) cyclosporine
C) Addison disease
D) Diuretics

66. Jesuit's bark is synonym of
A) Cinnamon
B) Kurchi
C) Cinchona
D) Ashwagandha

67. THC is a constituent found in the plant
A) Senna
B) Nux vomica
C) opium
D) cannabis

68. Belladona belongs to the family of
A) Solanaceae
B) Piperaceae
C) Papaveraceae
D) Rutaceae

69. Tropane alkaloids can be identified by
A) Thalloquin test
B) Vitali test
C) Biuret test
D) Millon's test

70. Melanin is derived from which of the following amino acids?
A) Histidine
B) Tyrosine
C) Tryptophan
D) Valine

71. Trachoma is an infectious disease of the
A) Ears
B) Eyes
C) Lungs
D) Liver

72. Spherical shape bacteria are termed as
A) Vibrios
B) Bacilli
C) spirochaetes
D) cocci

73. Hydrogen peroxide assay is performed by
A) non aqueous titration
B) neutralization titration
C) redox titration
D) diazotization titration

74. Synovial cells in joints is an example of
A) lymphocytes
B) basophil
C) neutrophils
D) macrophages

75. The natural alkaloid used in the treatment of gout is
A) Cinchnine
B) Emetine
C) Reserpine
D) Colchicine

76. Deglutition is a term related to
A) Chewing
B) biting
C) swallowing
D) Churning

77. Schedule S refers to
A) the standards for cosmetics
B) the standards for patent and proprietary medicines
C) the standards for biological and special product
D) the standards for disinfectant fluids

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78. The adipose tissue in newborn is called
A) black fat
B) yellow fat
C) white fat
D) brown fat

79. Chromones are isomeric with
A) pyrimidines
B) Quinolines
C) indoles
D) counarins

80. Amino acid considered as a lipotropic factor is
A) serine
B) histidine
C) Methionine
D) Tryptophan

81. A drug that promotes diuresis by antagonising the action of Aldosterone is
A) Furosemide
B) Acetazolamide
C) spironolactone
D) Bumetanide

82. The channel involving retailers and wholesalers is
A) the secondary channel
B) the marketing channel
C) the primary channel
D) the typical channel

83. Grey baby syndrome is caused by
A) ciprofloxacin
B) doxycycline
C) chloramphenicol
D) vancomycin

84. An integral membrane glycoprotein of the human erythrocyte is
A) glycophorin
B) amylopectin
C) Glycogen
D) chitin

85. Which of the following is a nonapeptide hormone produced by the posterior pituitary gland ?
A) Aldosterone
B) thyroxine
C) prolactin
D) Vasopressin

86. Pilocarpine an alkaloid containing
A) Pyrazole
B) Imidazole
C) pyrrole
D) Oxazole

87. Phlylloquinone is another name for
A) Vitamin D
B) Vitamin E
C) Vitamin A
D) Vitamin K

88. Thomson's disease is associated with
A) myasthenia gravis
B) myelosis
C) Muscular dystrophy
D) myopathy

89. Wilm's tumor is also known as
A) nephroblastoma
B) neuroblastoma
C) hepatoplastoma
D) oxioblastoma

90. The procedure of removing ovaries is called
A) colostomy
B) vasectomy
C) Salpingectomy

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D) Oophorectomy

91. In Alzheimer's disease which peptide level is elevated
A) beta amyloid
B) Alpha lipoic acid
C) Alpha haemoglobin
D) beta Alanine

92. Which of the following can be market at under generic name?
A) Glutethimide
B) Analgin
C) Meprobamate
D) Barbital

93. Which of the following is the plasma kinin?
A) Histamine
B) Kallidin
C) Renin
D) Serotonin

94. Trench fever is a
A) bacterial disease
B) Ricketssial disease
C) protozoal disease
D) viral diseas

95. Billings method is a method of
A) family planning
B) first aid
C) Waste disposal
D) ventilation

96. The study of Arthropods of medicinal importance is termed as
A) medical herpetology
B) medical herbology
C) medical entomology
D) medical orithonym

97. Which of the following is a plant growth regulator ?
A) Genticin
B) Gibberellin
C) Khellin
D) Anabasine

98. Clinical obesity is a condition in which the BMI range is
A) 40 - 45 kg/m2
B) 25 - 30 kg/m2
C) 30 - 40 kg/m2
D) 45 - 50 kg/m2

99. Sulphur containing amino acid is
A) Ornithine
B) Glutamine
C) Alliin
D) Asparginase

100. Treponema pallidum is the causative organism of

A) Chlamydia

B) AIDS

C) Syphilis

D) Gonorrhea

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PHARMACIST TEST PAPER - 7

1. **Haemostatic forceps are also known as**
   A) ordinary forceps
   B) Moynihan's forceps
   C) swab Holding forceps
   D) artery forceps

2. **Senna belongs to the family of**
   A) scrophulariaceae
   B) Burseraceae
   C) Leguminoceae
   D) Rhamnaceae

3. **Which of the following is also called milk of magnesium ?**
   A) magnesium hydroxide
   B) magnesium oxide
   C) magnesium chloride
   D) Magnesium Sulphate

4. **Which of the following is a macrolide antibiotic?**
   A) neomycin
   B) Kanamycin
   C) streptomycin
   D) Erythromycin

5. **The vitamin involves in the biosynthesis of collagen is**
   A) biotin
   B) Tocopherol
   C) Ascorbic acid
   D) pantothenic acid

6. **Which of the following is an antithyroid drug?**
   A) Tolazamide
   B) Methimazole
   C) Levothyroxine
   D) Chlorpropamide

7. **Crystalluria is this side effect associated with**
   A) Quinolines
   B) azoles
   C) sulphonamides
   D) Taxols

8. **Insulin is polypeptide containing**
   A) 21 AA
   B) 31 AA
   C) 41 AA
   D) 51 AA

9. **Longest acting Sulphonylurea is**
   A) Chlorpropamide
   B) Tolbutamide
   C) Glipizide
   D) Gliburide

10. **vitamin containing steroidal moiety is**
    A) Vitamin D
    B) Vitamin A
    C) Vitamin E
    D) Vitamin B1

11. **A chelating Agent used in the case of poisoning is**
    A) Sodium phosphate
    B) Dimercaprol
    C) Ferrion
    D) Bismuth subnitrate

12. **What is the common name of chlorinated lime**
    A) bleaching powder
    B) baking powder
    C) blue vitriol
    D) copper sulphate

13. **What is the process of breakdown of glycogen into glucose known as**

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A) glycogenesis
B) glycolysis
C) glycogenolysis
D) gluconeogenesis

14. The botanical name of sarpaganda is
A) Rauwolfia serpentina
B) Atropine Atropicana
C) Plumeria rubra
D) Catharanthus roseus

15. The antifungal Fluconazole belongs to the class of
A) pyridines
B) Azoles
C) pyrimidines
D) Acridines

16. Which of the following drug interacts with Vasopressin?
A) Chloroquine
B) Chloramphenicol
C) Chlorpropamide
D) Phenytoin sodium

17. Kala Azar is a type of
A) Giardiasis
B) Leishmaniasis
C) Helminthiasis
D) Schistosomiasis

18. Hospital acquired infection is called
A) primary infection
B) secondary infection
C) Nosocomial infection
D) Latest infection

19. What do the Alpha cells of pancreas secrete?
A) pancreatin
B) gastric juice
C) insulin
D) glucagon

20. Directly observed treatment short course (DOTS) is a strategy employed in
A) Cancer
B) Tuberculosis
C) Malaria
D) Dengue

21. **The study of the biochemical and physiological Effects of drugs and their mechanisms of action is known as**
A) pharmacoeconomics
B) pharmacogenetics
C) pharmacoepidemiology
D) pharmacodynamics

22. Bioavailability of a drug is
A) fractional extent to which a dose of drug reaches its site of action
B) time taken to reach maximum concentration
C) concentration of a drug in liver
D) amount of drug metabolised in the liver

23. In diabetic ketoacidosis, which drug is given
A) regular (Crystalline zinc) insulin
B) regular insulin
C) crystalline insulin
D) zinc insulin

24. The multiple forms of the same enzyme are known as
A) coenzymes
B) Isoenzymes
C) Apoenzymes
D) Holoenzymes

25. Sterols belongs to class

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A) lipids
B) waxes
C) Carbohydrates
D) Protein

26. An antibiotic possessing the beta lactam ring is
A) penicillin
B) Erythromycin
C) streptomycin
D) Chloramphenicol

27. A leukotriene receptor antagonist used in allergic cough is
A) Rofecoxib
B) Theophylline
C) Montelukast
D) Losartan

28. An increase in the size of an organ or a tissue that is not associated with cancer is termed as
A) neoplasia
B) hyperplasia
C) metaplasia
D) dysplasia

29. Respiratory distress syndrome in premature infants is caused by the absence of
A) Phospatidyl serine
B) Lecithin
C) Myoinositol
D) Cephaline

30. The father of Indian pharmacy
A) ML Schroff
B) RN chopra
C) Asima chatterjee
D) HG khorane

31. Standards for surgical dressings are given in
A) schedule F (III)
B) Schedule F (II)
C) Schedule FF
D) schedule H

32. Which of the following is H2 receptor antagonist ?
A) loperamide
B) cyclizine
C) propoxyphene
D) Cimetidine

33. Normal value of tidal volume at rest is
A) 4 litres
B) 1 litre
C) 2.5 litres
D) 0.5 litre

34. Deficiency of vitamin B3 leads to
A) megaloblastic anaemia
B) rickets
C) Pellagra
D) Beri beri

35. Hookworm infestation is caused by
A) Necator americanus
B) Tenia solium
C) Tenia saginata
D) Enterobious vermicularis

36. Control of appetite is the function of
A) hypothylamus
B) midbrain
C) medula oblongata
D) cerebellum

37. Which of the following insulin preparations has the longest duration of action ?
A) Semilente
B) Protamine zinc insulin
C) Lente

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D) Isophane

38. Poisoning occurring due to overdose of Aspirin is called as
A) sarcoma
B) salivation
C) Salicylism
D) gangrene

39. Hormonal products are sterilized by
A) autoclaving
B) gaseous sterilization
C) hot air oven
D) ionizing radiation

40. The causative organism of pneumonic plague is
A) Yersinia pestis
B) Brugla malayi
C) Entamoeba histolitica
D) Wuchereria bancrofti

41. Glident is added to a powder to improve its
A) flowability
B) colour
C) texture
D) hygroscopicity

42. Which of the following is an anti epileptic drug ?
A) Diuretics
B) Barbiturates
C) Angiotensin
D) ACE inhibitors

43. Chloramphenicol and penicillin belongs to
A) Antibiotic
B) steroids
C) diuretics
D) protein

44. Metal Ion ring complex is also known as
A) isomer ring
B) Chelate ring
C) cyclomer ring
D) tetramer ring

45. Temper resistant packaging is used for
A) temperature resistance seal
B) contamination seal
C) indicator seal
D) moisture seal

46. Borntrager's test is used to check the presence of
A) Glycosides
B) Cytokinin
C) Gibberellin
D) Xanthine

47. Nerves of 'sense of sight' are called
A) optic nerves
B) Olfactory nerves
C) Motor Nerves
D) Vagus nerves

48. Which of the following is not the function of lymph?
A) tissue drainage
B) immunity
C) absorption of material
D) red blood cells production

49. Amino acids are the terminal form of
A) carbohydrates
B) proteins
C) fat
D) cholesterol

50. '**Nuclear envelope' is a feature of**
A) prokaryotes

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B) eukaryotes
C) plastids
D) ribosomes

51. Which of the following is not a part of Elementary canal?
A) mouth
B) pharynx
C) stomach
D) Femur

52. Which of the following is/are present in central nervous system ?
A) Brain
B) spinal cord
C) Both
D) vertebrae

53. Which of the following is a respiratory disease ?
A) malaria
B) influenza
C) polio
D) cholera

54. Lozenges are solid doses form intended for
A) faster action
B) slow dissolution
C) slow disintegration
D) None of the above

55. Sulpha powder are sterilized by
A) hot air oven
B) autoclave
C) radiation
D) none of the above

56. Enteric coating is done when
A) active ingredients is unstable in acid
B) active ingredients is unstable in base
C) active ingredients causes irritation in intestine
D) None of the above

57. One tumblerful is equivalent to
A) 200 ml
B) 240 ml or 8 fluid ounce
C) 240 ml or 10 fluid ounce
D) 250 ml or 8 fluid ounce

58. BCG vaccine contains
A) killed bacterial suspension
B) Alive bacterial suspension
C) attenuated toxoid
D) none of the above

59. Which is the largest size of capsule?
A) 000
B) 00
C) 1
D) 5

60. Implants are designed for
A) prolonged action
B) fast action
C) increase efficiency
D) none of the above

61. Green vitriol is
A) copper sulphate
B) Magnesium Sulphate
C) ferrous sulphate
D) sodium sulphate

62. Zinc chloride is used as
A) antibacterial
B) astringent
C) preservative
D) none of the above

63. Lugol's solution is
A) weak iodine solution
B) Aqueous iodine solution

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C) strong Iodine solution
D) None of the above

64. Ma – Haung is a synonym for
A) Ephedra
B) Cinnamon
C) Ipecac
D) Quillaia

65. Penicillin is discovered by
A) Robert koch
B) Robert Brown
C) Alexander Flemming
D) Paul hrlich

66. Vasaka is used as
A) expectorant
B) Sedative
C) stimulant
D) cardiac tonic

67. Mast cells responsible for release of
A) serotonin
B) Keratin
C) Fatty acids
D) None of the above

68. Cholesterol consist of
A) 27 carbon atoms
B) 30 carbon atoms
C) 14 carbon atoms
D) 35 carbon atoms

69. Diosgenin is a
A) alkaloid obtained from dioscorea
B) glycoside obtained from dioscorea
C) protein obtained from dioscorea
D) none of the above

70. Melatonin is secreted by
A) Thymus gland
B) Adenophysis
C) Pineal gland
D) Adrenal gland

71. **Spermatozoa are formed**
A) Vasa deferens
B) Prostte gland
C) Seminal vesicles
D) None of the above

72. Elisa test is used for diagnosis of
A) tuberculosis
B) typhoid
C) AIDS
D) Rabies

73. A protozoal disease is
A) Tetanus
B) Diptheria
C) Malaria
D) Diarrhoea

74. One of these is criteria for purity of psyllium
A) Adsorbent power
B) swelling factor
C) colour development
D) none of the above

75. Tetracyclines are not administered with milk because
A) Toxicity is increase
B) activity is destroyed
C) insoluble chelates is formed
D) all of the above

76. Which of the following antibiotic contain naphthacene nucleus ?
A) Tobramycin
B) Tetracyclines
C) Amoxycillin
D) None of the above

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77. Handerson-Hassel equation is related to
A) buffer solution
B) dissolution rate
C) osmotic pressure
D) absorption

78. Saheli,oral contraceptive contains
A) centochroman
B) Osterogen
C) Progesterone
D) Oestrogen and Progestrone

79. Tween is a
A) Hydrophilic surfactant
B) hydrophobic
C) preservative
D) Antioxidant

80. Most common adverse effect of NSAID is
A) liver toxicity
B) addiction
C) Haematological disorder
D) Gastro upset

81. Schedule M1 of drugs and cosmetic act 1940 and rule 1945 deals with
A) allopathic medicine
B) homeopathic medicines
C) medical devices
D) cosmetics

82. 1 tablespoonful is equivalent to
A) 10 ml
B) 15 ml
C) 20 ml
D) 5 ml

83. Latrogenic disease means
A) drug induced disease
B) systemic infections
C) physician induced disease
D) contagious disease

84. **Which among the following is the first generation** cephalosporin?
A) Cefepime
B) Cefuroxime
C) cefixime
D) Cephalexin

85. Vitamin present in the Shark liver oil
A) vitamin A
B) Vitamin D
C) vitamin K
D) vitamin E

86. What is the descriptive name of clothing factor X?
A) Fibrinogen
B) Labile factor
C) Prothrombin
D) Stuart prower factor

87. Repacking licence are granted in drug specified in following schedules except
A) schedule X
B) schedule C and C1
C) schedule H
D) schedule O

88. Hydrous wool fat is known as
A) lanolin
B) Macrogoal
C) Cholesterol
D) Lecithin

89. Vitamin present in coenzyme A
A) Riboflavin
B) Pyridoxine
C) Biotin
D) Pantothenic acid

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90. Anti estrogen used for the treatment of infertility
A) Tamoxifen
B) Ibuprofen
C) Naproxen
D) Clomifene

91. Which among the following is a liquid alkaloid?
A) Nicotine
B) Strychnine
C) Quinine
D) Colchicine

92. Non sugar parts of the glycosides are called
A) Aglycon
B) Glycon
C) Glycogen
D) Glycol

93. The drug which cause Oto toxicity
A) Azithromycin
B) doxycycline
C) neomycin
D) Erythromycin

94. Meaning of Latin term Primo Mane
A) as directed
B) breakfast
C) during night
D) early in the morning

95. Who Is the secretary of Pharmacy and therapeutic committee ?
A) Administrator
B) pharmacist
C) Medical director
D) chief physician

96. Which among the following drug induce hepatic microsomal enzymes?
A) Isoniazid
B) Phenylbutazone
C) cimetidine
D) Phenytoin

97. Radio isotope P32 used for the treatment of
A) hyperthyroidism
B) carcinoma of bone
C) thyroid cancer
D) polycythemia vera

98. Green vitriol is
A) ferrous sulphate
B) zinc sulphate
C) copper sulphate
D) Magnesium Sulphate

99. Which among the following vitamin have a napthaquinone ring ?
A) vitamin E
B) vitamin K
C) Vitamin D
D) vitamin B12

100. Devil's dung is the synonym of
A) Myrrh
B) Asafoetida
C) Digitalis
D) Ginseng

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PHARMACIST TEST PAPER - 8

1. **The following act as antiflactulent in the preparation of antacids**
   A) methyl paraben
   B) simethicone
   C) Selenium sulphide
   D) sugar

2. **Magaldrate is used as**
   A) Antacid
   B) suspending agent
   C) purgative
   D) Antiseptic

3. **Which of the following gas is used for supporting respiration during an anesthesia ?**
   A) Helium
   B) carbon dioxide
   C) Nitrous oxide
   D) oxygen

4. **First drug of choice in Gonorrhea is**
   A) Cephalosporin
   B) sulphonamides
   C) Penicillin
   D) sulfone

5. **Drug used as carminative is**
   A) cloves
   B) kalmegh
   C) Belladonna
   D) fennel

6. **Benzidine test is used to detect**
   A) blood in the urine
   B) uric acid in urine
   C) glucose in urine
   D) albumin in serum

7. **The following is a potent inhibitor of CYP 450 enzymes**
   A) Phenytoin
   B) Carbamazepine
   C) Phenobarbitone
   D) Cimetidine

8. **Glycogenesis is a synthesis of**
   A) starch
   B) glucose
   C) glycogen
   D) glycerol

9. **Tulsi belongs to the family**
   A) Apocynaceae
   B) Labiateae
   C) Gnetaceae
   D) Liliaceae

10. **The Antineoplastic agent that is classified as an alkylating agent is**
    A) Vincristine
    B) Tamoxifen
    C) Bleomycin
    D) Busulfan

11. **Epinephrine is used in the treatment of**
    A) tuberculosis
    B) typhoid
    C) bronchial asthma
    D) malaria

12. **The Ayurvedic and Unani poisons are listed in the following schedule**
    A) schedule F
    B) schedule G
    C) schedule Y
    D) schedule E1

13. **Embeden-Meyerhof Pathways also known as**

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A) Hexose Monophosphate shunt
B) oxidative pathway of carbohydrate
C) krebs cycle
D) glycolysis

14. Semi essential amino acid is
A) Valine
B) Histidine
C) Asparagine
D) Serine

15. G-protein coupled receptors are
A) 5a – helical structure
B) 7a – helical structure
C) 6a – helical structure
D) 9a – helical structure

16. Lemongrass oil is a
A) volatile oil
B) fixed oil
C) Wax
D) oleoresin

17. Air tight sealed containers are used for
A) Injectables
B) Tablets
C) Capsules
D) Liquid orals

18. Combined pill contains
A) estrogen
B) progesterone
C) Estrogen and progesterone
D) None of the above

19. Carbimazole is
A) An antithyroid drug
B) An antiepileptic drug
C) An anti hypertensive drug
D) A coagulant

20. Dopamine is an active form of
A) Levodopa
B) sulindac
C) Enalapril
D) Methyldopa

21. Unequal distribution of colour on tablet surface is
A) mottling
B) lamination
C) capping
D) picking

22. The use of zinc sulphate is
A) Astringent
B) emetic
C) laxative
D) none of the above

23. Secondary structure of proteins is stabilised by
A) Disulphide bonds
B) electrostatic forces
C) hydrophobic bonds
D) hydrogen bonds

24. Pirenzepine is an antagonist of
A) M1 receptor
B) M2 receptor
C) N1 receptor
D) N2 receptor

25. Normal urine is
A) neutral
B) highly acidic
C) slightly alkaline
D) slightly acidic

26. Cinnamon bark is also known as
A) kapur
B) Araroba powder
C) Dalchini
D) Cinchona

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27. Urination in the human subjects is decreased by
A) Physostigmine
B) acetylcholine
C) Nicotine
D) Benztropine

28. Ilium is a bone of
A) Innominate bone
B) vertebrae
C) skull
D) coccyx bone

29. Partial hydrolysis of starch with dilute acid will produce
A) chitin
B) Dextrin
C) sumerin
D) Glucose

30. The following is indicated as an adjuvant to carbidopa or levodopa therapy
A) Bromocriptine
B) Amantadine
C) Tolcapone
D) Pramipexole

31. Primary structure of a protein is formed by
A) Disulphide bonds
B) hydrogen bonds
C) peptide bonds
D) Amine bonds

32. Beta blocker used to treat migraine
A) pindolol
B) Acebutol
C) Propranolol
D) Timolol

33. Which one of the following is physiological antagonist ?
A) adrenaline
B) Methacholine
C) Nicotine
D) pilocarpine

34. Non protein part of enzyme is called
A) cofactor
B) Apoenzyme
C) Prosthetic group
D) All

35. Most of the drugs will bind with which of the following plasma proteins ?
A) Albumin
B) Globulin
C) Histone
D) Glycoprotein

36. HLB range for W/O emulsifying agent is
A) 3-8
B) 8-16
C) 10-14
D) 1-5

37. The following preservative is used in the simple syrup IP
A) methyl paraben
B) phenyl mercuric nitrate
C) benzalkonium chloride
D) none of the above

38. A Purkinje fibres are present in
) Liver
B) Kidney
C) Heart
D) Lung

39. Citric acid cycle is also known as

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A) Uronic acid cycle
B) Reproductive pathway of carbohydrates
C) Kreb's cycle
D) synthesis of glucose from non carbohydrate sources

40. Dissolution of a drug particle is described by
A) Noyes whitney equation
B) Arrhenius equation
C) Stock's law
D) None

41. During leakage test the ampoules are dipped in which solution
A) 1% Methylene blue
B) 5% Methylene blue
C) 10% Methylene blue
D) 50 % Methylene blue

42. Henle's loop is found in
A) Spleen
B) Lung
C) Gall bladder
D) kidney

43. Anti microbial action of penicillin is inhibition of
A) Protein synthesis
B) cell wall synthesis
C) cell membrane synthesis
D) DNA synthesis

44. Suppositories are evaluated by
A) melting range method
B) breaking point method
C) liquification method
D) all

45. Papaverine is a
A) Vasodilator
B) Antihistaminic
C) Antithyroid drug
D) Psychoactive drug

46. Major functions of electrolytes are
A) maintenance of blood volume
B) supply of ions
C) regulation of osmotic equilibrium
D) All the above

47. The major side effect associated with saline cathartic is
A) excessive loss of body Fluids in form of watery stools
B) Convulsions
C) Cardiac disorder
D) Constipation

48. The standards for mechanical contraceptives are given in
A) schedule H
B) schedule R
C) schedule T
D) schedule U

49. W.B.C. are produced in
A) liver
B) lymph gland
C) spleen
D) Heart

50. Nasal drops is mostly found as
A) isotonic
B) hypertonic
C) hypotonic
D) None

51. Titanium dioxide is commonly used in
A) vanishing cream
B) Calamine cream
C) sunscreen cream

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D) ophthalmic cream

52. Ophthalmic solutions should be isotonic with
A) blood plasma
B) blood serum
C) lacrimal secretions
D) None

53. Transfusion bottles are made up of
A) soda glass
B) sulphured glass
C) neutral glass
D) Borosilicate glass

54. Chlorinated lime and boric acid solution is also known as
A) Lysol
B) dettol
C) Eusol
D) None of the above

55. Example of diffusible solid is
A) magnesium trisilicate
B) light kaolin
C) calcium carbonate
D) all of the above

56. Chemical name of aspirin is
A) Methyl salicylate
B) sodium salicylate
C) Acetyl salicylic acid
D) salicylic acid

57. Selegiline is a
A) Dopaminergic agonist
B) MAO -B Inhibitor
C) COMT inhibitor
D) Dopamine facilitator

58. Cochlear Magnum means
A) one tablespooful
B) one dessertspoonful
C) one teaspoonful
D) one cupspoonful

59. Which of the following drugs is considered to be the agent of choice for anaphylactic reactions
A) Phenylephrine
B) Epinephrine
C) Clonidine
D) Isoproterenol

60. How many ATP are used in urea cycle
A) 3
B) 2
C) 7
D) 10

61. Vaginal suppositories are also called
A) Pessaries
B) Simple suppositories
C) Bougies
D) None

62. Isotopes are having
A) same atomic number but different mass number
B) same atomic number and same mass number
C) atomic number increase
D) atomic number decrease

63. Enteric coated tablets are meant for disintegration in
A) Stomach
B) Mouth
C) intestine
D) None of the above

64. An uncoated tablet must dissolve within

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A) 30 min
B) 15 min
C) 45 min
D) 60 min

65. Treatment of choice in Cerebral Malaria is
A) chloroquine
B) Amodiaquine
C) Quinine
D) Primaquine

66. Barrier creams are quite useful in preventing
A) dry skin
B) psoriasis
C) industrial chemicals
D) drug allergy action on skin

67. Which of the following anti hypertensive drugs is not given in pregnancy
A) Hydralazine
B) Methyldopa
C) Nifedipine
D) Captopril

68. Which reagent is used for the identification of Ergot alkaloids ?
A) Van Urk Reagent
B) Fehling I and II
C) Iron III chloride
D) Phloroglucinol in hydrochloric acid

69. Which is not a part of handling of prescription
A) revision of prescription
B) compounding
C) reading
D) collection of materials

70. Gabapentin is an example of
A) Anti Epileptic drug
B) Antileprotic drug
C) Antibiotic
D) Anti T.B. drug

71. Entry from journal to ledger is called
A) Posting
B) Transfer
C) Recording
D) Journalising

72. Ryle's tube is used for
A) Feeding
B) gastric lavage
C) removing poison from stomach
D) all of the above

73. Which of the following hormone contains Iodine ?
A) thyroxine
B) insulin
C) testosterone
D) adrenaline

74. Example of female contraceptive is
A) Cortisone
B) estradiol
C) Norethindrone
D) Preogesterone

75. Chromosomes are present in
A) nucleolus
B) nucleus
C) cytoplasm
D) lysosomes

76. Arjuna bark is used as
A) Cardiotonic
B) Carminative
C) Laxative
D) Antipyretic

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77. Which of the following ACE inhibitors has Sulfhydril group ?
A) Enalapril
B) Lisinopril
C) Ramipril
D) Captopril

78. Pessaries Are introduced into
A) Rectum
B) vagina
C) Nose
D) Ear

79. Prodrug is
A) ppharmacologically inactive substance
B) medicinally active
C) inert substance
D) none

80. VED stands for
A) Vital Essential Desirable
B) Very Essential Desirable
C) Very Essential Drugs
D) Vital Essential Drugs

81. Cool place means
A) room temperature
B) zero degree temperature
C) temperature between 2 to 8 degree Celsius
D) temperature between 8 to 15 degree celsius

82. The list of drugs to be sold on the prescription of Register medical practitioner only are contain in
A) Schedule H
B) schedule G
C) schedule J
D) schedule C

83. Limit test are performed in
A) test tube
B) measuring cylinder
C) Nessler cylinders
D) Beakers

84. Left side of heart contains
A) impure blood
B) Pure blood
C) Lymph
D) C.S.F.

85. Suspension cannot be administered by
A) intravenous route
B) intradermal route
C) Subcutaneous route
D) intramuscular route

86. Latin term for taking a drug two times a day is
A) b.i.d.
B) t.i.d.
C) q.i.d.
D) s.o.s.

87. Magnesium sulphate is used as
A) saline purgative
B) Antacid
C) Adsorbent
D) Anti diarrhoeal

88. Which of the following is an example of naturally occurring emulsion ?
A) Egg yolk
B) Latex
C) Milk
D) Sugarcane juice

89. An opaque covering agent used in bleaches
A) Catechol

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B) Quinoline
C) Titanium dioxide
D) Hydrogen peroxide

90. Normal saline contains
A) 0.9% w/v of sodium chloride
B) 0.9 w/w of sodium chloride
C) 9% w/v of sodium chloride
D) 5% w/v of sodium chloride

91. Richest source of Lecithin
A) Meat
B) Egg yolk
C) Fish
D) Milk

92. Drugs which increases respiratory tract fluid is called
A) Expectorant
B) Linctuses
C) Laxative
D) Syrups

93. The gas used for fumigation
A) ethylene
B) nitrous oxide
C) Sulphur dioxide
D) carbon dioxide

94. Which type of mill is used for grinding Sulfonamide drugs ?
A) Ball mill
B) Cutter mill
C) Hammer mill
D) Fluid energy mill

95. A Resin of animal origin
A) Benzoin
B) Shellac
C) Glycoresin
D) Gujuresinol

96. Example of ultra short acting Barbiturates.
A) Enflurane
B) ketamine
C) Thiopental sodium
D) Propofol

97. Major chemical constituent present in the clove oil
A) Fenchone
B) Citral
C) Anethol
D) Eugenol

98. A cationic surfactant is
A) polysorbate 80
B) Cetrimide
C) sodium dedocanoate
D) sorbitan monooleate

99. Toxoids are
A) toxins isolated from microbes
B) toxin treated with formaldehyde
C) suspension of microbes
D) none of the above

100. Diphenhydramine is a derivative of
A) Ethylene diamine
B) Phenothiazine
C) Aminoalkyl ether
D) alkyl amines

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PHARMACIST TEST PAPER - 9

1. **Steroidal antibiotic is**
   A) Kanamycin
   B) Fusidic acid
   C) Gentamycin
   D) Polymyxin

2. **Titanium dioxide (TiO2) is a/an**
   A) anti microbial
   B) sun screening agent
   C) antifungal
   D) antiemetic

3. **Which local anaesthetic is used for gastric irritation**
   A) procaine
   B) Amethocaine
   C) Oxethacaine
   D) Bupivacaine

4. **For methanol poisoning specific antidote is**
   A) Fomepizole
   B) Desferoxamine
   C) BAL
   D) Sodium nitrite

5. **Streptomycin acts well in**
   A) acidic pH
   B) basic pH
   C) neutral pH
   D) negative pH

6. **The general formula of monosaccharides is**
   A) CnH2nOn
   B) C2nH2On
   C) CnH2O2n
   D) CnH2nO2n

7. **Synovial fluid contains**
   A) Heparin
   B) Hyaluronic acid
   C) Chondroitin sulphate
   D) keratin sulphate

8. **Which one is live vaccine**
   A) DPT
   B) MMR
   C) BCG
   D) TT

9. **Cellulose Acetate phthalate (CAP) dissolves at pH**
   A) Above 6
   B) below 6
   C) 4
   D) 2

10. **Which of the following is a systemic alkaliser?**
    A) Mg (OH)2
    B) Al(OH)3
    C) NaHCO3
    D) Megaldrate

11. **How many numbers of carbon is present in Undecylenic acid?**
    A) 19
    B) 11
    C) 10
    D) 16

12. **Who is the chairman of drugs and Technical advisory board (DTAB)?**
    A) drug controller of India
    B) president of PCI
    C) director general of Health Services
    D) director of Central drug laboratory Kolkata

13. **Barium meal is used for visualisation of**
    A) gall bladder
    B) intenstinal tract
    C) heart

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D) liver

14. Which is true for "streptomyces"?

A) Gram Positive filamentous Bacteria
B) Gram Negative filamentous bacteria
C) fungus
D) acid fast bacteria

15. Which is the example of Spirochaete?

A) Chlamydia trachomitis
B) Trypanosoma gambiens
C) Treponema pallidum
D) Vibrio cholerae

16. Simple syrup IP contains _____ Sucrose

A) 66.7 % w/v
B) 85 % w/v
C) 70 % w/w
D) 66.7 % w/w

17. Clostridium Titani produces

A) Exotoxin
B) Endotoxin
C) Pyrogen
D) None of the above

18. Composition of Molisch reagent is

A) Alpha napthol + sulphuric acid
B) beta Naphtol + sulphuric acid
C) naphthylamine + sulphuric acid
D) phenol + sulphuric acid

19. A semi solid preparation containing excess of finally divided solids is a

A) cream
B) Paste
C) Jellies
D) Liniments

20. Agent added to toothpaste to keep it in moist form is known as

A) Humectant
B) binders
C) Abrasive
D) Detergent

21. Sorbitan monolaurate is commercially known as

A) Tween 20
B) span 20
C) span 40
D) span 60

22. An "Orphan drug" is

A) a very cheap drug
B) a drug which has no therapeutic use
C) a drug needed for treatment or prevention of a rare disease
D) a drug which acts on orphanin receptor

23. Which one is Gram Positive Bacteria?

A) salmonella typhi
B) vibrio cholerae
C) Pseudomonas aeruginosa
D) Staphylococcus aureus

24. Condy's Lotion is prepared from

A) potassium permanganate
B) potassium dichromate
C) potassium phthalate
D) potassium Bromide

25. Which of the following routes of administration of drugs is associated with Phlebitis?

A) subcuteneous
B) intravenous
C) intra spinal
D) intradural

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26. Which one of the following is a plasminogen Activator
A) Tranexamic acid
B) Streptokinase
C) Aminocaproic acid
D) None of the above

27. Which one of the following drugs has positive inotropic and negative chronotropic action?
A) Dopamine
B) Epinephrine
C) Digoxin
D) Isoprenaline

28. Trenexamic acid is
A) Antithrombotic
B) Antifibrinolytic
C) styptic
D) Fibrinolytic

29. The following anti cancer drug has high emetogenic potential
A) Vincristine
B) Chlorambucil
C) 6- Mercaptopurine
D) Cisplatin

30. The mechanism of action of antifungal drug class azoles (Imidazole and Triazoles) is
A) they impair ergosterol synthesis
B) they impair Protein synthesis
C) they impair folic acid synthesis
D) they impair carbohydrates synthesis

31. Gluconeogenesis is promoted by
A) glucocorticoids
B) insulin
C) oral hypoglycemic agents
D) antibiotics

32. The agent that can only be given intravenously for heart failure is
A) digoxin
B) Amiodarone
C) Quinidine
D) Dobutamine

33. Neuropathy is adverse effect of
A) Isoniazid
B) Ethambutol
C) Pyrazinamide
D) Rifampicin

34. Renin a proteolytic enzyme which is produced in
A) Brain
B) Liver
C) Spleen
D) Kidney

35. Fractional distillation is used for separating
A) immiscible liquids
B) miscible liquids
C) volatile oils
D) pyrogens

36. Mechanism of action of Isonicotinic acid Hydrazide (INH) is
A) inhibition of the DNA dependent RNA polymers
B) inhibition the synthesis of mycolic acid
C) inhibition Para Amino Benzoic acid (PABA)
D) Inhibition of ribosomes to manufacturer peptide chains with wrong amino acids.

37. Which is the highly perfused organ in the body
A) liver

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B) heart
C) brain
D) lung

38. Specific antidote for Paracetamol poisoning is
A) Flumazenil
B) Sodium bicarbonate
C) N-Acetylcysteine
D) Methylene lue

39. Clavulanic acid is
A) potent inhibitor of peptidoglycan synthesis
B) specific for Gram Negative bacteria
C) inactivate bacterial beta lactamase
D) inhibitor of 50s ribosomal subunit

40. Timolol if administered opthalmically then which effect it will exhibit?
A) miosis
B) Mydriasis
C) increase formation of aqueous humour
D) decrease formation of aqueous humour

41. What is the primary mechanism of action of local anaesthetics?
A) activation of ligand gated potassium channels
B) blockade of voltage gated sodium channels
C) stimulation of voltage gated N type calcium channels
D) blockade of GABA gated chloride channels

42. The anti cancer action of Azathioprine is
A) radiation
B) purine antagonism
C) alkylation
D) iodination

43. Which among the following is used as a systemic acidifier?
A) potassium iodide
B) potassium citrate
C) ammonium chloride
D) Sodium acetate

44. Modified borntrager's test are used to identify which type of anthraquinone glycosides?
A) O – glycoside
B) N – glycoside
C) C – glycoside
D) S – glycoside

45. Vitali-Morin test is used to identify
A) Indole alkaloids
B) Isoquinoline alkaloid
C) Tropane alkaloids
D) Purine alkaloid

46. Other name of regenerated cellulose
A) wool
B) Hemp
C) Silk
D) Rayon

47. Which parenteral route of Administration has 100% bioavailability?
A) intravenous
B) intramuscular
C) subcutaneous
D) intradermal

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48. Which of the following DMARD required liver function testing?
A) Methotrexate
B) Infliximab
C) selegiline
D) Cyclophosphamide

49. Omalizumab is administered by which route?
A) Inhalation
B) Intravenous
C) Subcutaneous
D) Oral

50. Pyrantel is a drug of choice to treat
A) Ancyclostoma duodenal
B) HIV
C) Rabies
D) Polio

51. Blood is supplied to the heart through
A) carotid artery
B) coronary artery
C) sublingual artery
D) Pulmonary artery

52. A Calcium channel blocker that acts as uterine relaxant is
A) nifedipine
B) verapamil
C) Diltiazem
D) Minoxidil

53. Term used to describe partial or complete separation of top or bottom of the tablet
A) lamination
B) capping
C) picking
D) chipping

54. What is the end product of purine metabolism in human?
A) Urea
B) purine oxide
C) Uric acid
D) Xanthine

55. All of the following ACE inhibitors are prodrug except
A) Ramipril
B) Lisinopril
C) Enalapril
D) Perindopril

56. All of the following NSAIDs are safe to be used in children except
A) Aspirin
B) Acetaminophen
C) Indomethacin
D) Ibuprofen

57. Which of the following is a side effect of ACE inhibitors?
A) sinus congestion
B) Angina
C) cough
D) Hypokalemia

58. Drug causing maximum peripheral neuropathy is
A) Zidovudine
B) Lamirudine
C) Starudine
D) Didanosine

59. Which is not an endogenous catecholamine?
A) Dopamine
B) Adrenaline
C) Nor adrenaline
D) Dobutamine

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60. Which fatty acid is not synthesized in the body and has to be taken from the diet?
A) Palmitic acid
B) Linolenic acid
C) Oleic acid
D) Stearic acid

61. Which one of the following drugs produces significant relaxation of both venules and arterioles?
A) Hydralazine
B) Minoxidil
C) Diazoxide
D) Sodium Nitroprusside

62. As per WHO formula ORS contains
A) Nacl,sodium bicarbonate, dextrose
B) Nacl , KCl , dextrose
C) Nacl , KCl , sodium bicarbonate, dextrose
D) Nacl ,KCl, trisodium citrate dehydrate,glucose anhydrous

63. Which one of these is a Oleogum resin?
A) Aloe
B) Colophony
C) Asafoetida
D) Catechu

64. Toxic principle present in the Castor seed
A) Resino tannic acid
B) Recinoleic acid
C) Isorecinoleic acid
D) Ricin

65. Which one of these is anionic surfectants?
A) Sodium lauryl sulphate
B) Glyceryl monostearate
C) Tetra acyl trimethyl ammonium bromide
D) sorbitan mono oleate

66. Which one of these acid is used in the treatment of skin condition?
A) benzoic acid
B) propionic acid
C) acetic acid
D) none of the above

67. The normal erythrocytes count is
A) 3.5 million/mm^3
B) 5.5 million/mm^3
C) 6.5 million/mm^3
D) 7.5 million/mm^3

68. Haemophilia A is a disease characterised by deficiency of
A) Factor VIII
B) Factor II
C) Factor VII
D) Factor V

69. Viscosity of agar solution is due to the presence of
A) Agarose
B) cellulose
C) Agaropectin
D) cellobiose

70. Which of the following describes the effect of sodium chromoglycate
A) mast cells degranulation
B) mast cells stabilization
C) Leukotriene antagonism
D) glucocorticoid receptor agonism

71. Which sugar is suitable for diabetic patient?
A) fructose
B) lactose
C) mannitol

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D) sucralose

72. Beta oxidation of fatty acids takes place in
A) chloroplast
B) cytoplasm
C) mitochondria
D) nucleus

73. Antibiotic which causes Gray baby syndrome
A) Gentamycin
B) doxorubicin
C) chloramphenicol
D) Amikacin

74. Infertility in men is induced by
A) Vitamin C
B) gossypol
C) estrogen
D) antibiotics

75. Which of the following UV rays cause cancer?
A) UVA
B) UVB
C) UVC
D) All of the above

76. Tachyphylaxis Is seen after the use of
A) Tamoxifen
B) Ephedrine
C) Morphine
D) Chlorpromazine

77. Which among the following is used as a filtering aid
A) calcium carbonate
B) hydroximethyl cellulose
C) methyl cellulose
D) Kaolin

78. Fexofenadine is the active metabolite of
A) Astemizole
B) Loratadine
C) Terfenadine
D) cetrizine

79. HIV is a
A) DNA virus
B) RNA virus
C) paramyxo virus
D) retro virus

80. Which one of the paraffin wax is used in eye ointment?
A) white soft paraffin
B) yellow soft paraffin
C) hard paraffin
D) none of the above

81. An inherited metabolic disorder Alkaptonuria is due to the lack of enzyme
A) Phenylalanine hydroxylase
B) tyrosine hydroxylase
C) Homogentisate oxidase
D) hydroxy phenylpyruvate hydroxylase

82. Rheumatic heart disease is caused by
A) streptococcal infection
B) abnormal lipid metabolism
C) excessive lipid consumption
D) atherosclerosis

83. Which among the following is a sterile preparation?
A) nasal drops
B) Effervescent granules
C) ophthalmic preparations
D) otic preparation

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84. Histamine concentration is highest in
A) beta cells
B) Mast cells
C) lymphocytes
D) Adipocytes

85. Shark liver oil contains
A) Vitamin D
B) vitamin A
C) vitamin A and D
D) vitamin E

86. Which Beta blocker can be given parenterally in hypertensive emergency?
A) Carvedilol
B) Nebivolol
C) Labetolol
D) Metoprolol

87. Female sex hormone is
A) stilbesterol
B) Oestradiol
C) testosterone
D) Hydrocortisone

88. Which one of these is a antiemetic agent
A) ammonium chloride
B) Apomorphine
C) Dimenhydrinate
D) Diphenoxylate

89. Which one of these is sexually transmitted disease?
A) malaria
B) Gonorrhoea
C) cholera
D) leprosy

90. The duration of action of protamine zinc insulin is
A) 5 to 8 hours
B) 10 to 15 hours
C) 24 to 36 hours
D) 15 to 25 hours

91. Drugs which contain catechol nucleus
A) Nor adrenaline
B) Ephedrine
C) Phenylephrine
D) Pseudoephedrine

92. The range of absolute bioavailability is
A) 0 to 1
B) 0 to 100
C) -1 to 1
D) -1 to 100

93. Select the drug which exhibits dual alpha and beta adrenergic receptor agonist activity
A) Terbutaline
B) Clonidine
C) Metaproterenol
D) Dobutamine

94. Which of the following are the major components in liquid glucose?
A) Dextrin + starch
B) dextrose + starch
C) Amylase + starch
D) glucose + starch

95. Purkinje fibres are present in
A) Kidney
B) heart
C) spleen
D) liver

96. International System of units (SI) includes
A) Metric system
B) Avoirduposis system

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C) Apothecaries system
D) None of the above

97. A Suitable estrogen antagonist is
A) clomiphene citrate
B) Mifepristone
C) Flutamide
D) cyprogesterone

98. Yeast is a the richest source of
A) Vitamin C
B) vitamin B
C) Vitamin D
D) vitamin A

99. Aloe contains barbaloin which is a
A) C glycoside
B) s glycoside
C) B glycoside
D) H glycoside

100. Pregnancy test kits are designed at detect
A) estrogen
B) human chorionic gonadotropin
C) follicles stimulating hormone
D) luteinizing hormone

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PHARMACIST TEST PAPER - 10

1. **Youngs's formula**
   A) (Age / Age + 12) × Adult dose
   B) (Age/20) × adult dose
   C) (weight of the child in lbs /150) × adult dose
   D) (Age in months /150) × Adult dose

2. **Glomerular filtration of the drug is affected by its**
   A) lipid solubility
   B) plasma protein binding
   C) degree of ionization
   D) rate of tubular secretion

3. **HLB scale is design by**
   A) Bently
   B) Lehlinger
   C) Griffin
   D) Rutherford

4. **Heart receives cholinergic stimulation through ____ nerve.**
   A) vagus
   B) trigeminal
   C) Spinal accessory
   D) Trochlear

5. **Method used for extraction of volatile oil is**
   A) steam distillation
   B) fractional distillation
   C) molecular distillation
   D) simple distillation

6. **At normal pressure freezing point of blood plasma is**
   A) - 0.41^{o}C
   B) -0.52^{o}C
   C) -0.05^{o}C
   D) -0.5^{o}C

7. **Majority of drugs cross biological membranes primary by**
   A) passive diffusion
   B) facilitate diffusion
   C) active transport
   D) pinocytosis

8. **Which of the following drugs is most likely to be absorbed from the stomach?**
   A) morphine sulphate
   B) diclofenac sodium
   C) Hyoscine hydrobromide
   D) Quinine dehydrochloride

9. **The most commonly occurring conjugation reaction for drugs and their metabolites is**
   A) Glucuronidation
   B) Acetylation
   C) Methylation
   D) Glutathione conjugation

10. **Diphenhydramine belongs to antihistaminic class of**
    A) Ethylene diamine
    B) Amino alkyl ether
    C) Alkyl amine
    D) Phenothiazine

11. **Pteridine ring is present in**
    A) Amiloride
    B) Triamterene
    C) Chlorthalidone
    D) Spironolactone

12. **Which is the mill used to obtain ointments of the smooth texture of consistency is**
    A) Ball mill
    B) Cutter mill
    C) Edge runner mill
    D) Triple roller mill

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13. Sigma blade mixers are commonly used in
A) wet granulation
B) dry granulation
C) powder mixing
D) crude fibre mixing

14. Jentaculum means
A) dinner
B) breakfast
C) Lunch
D) Supper

15. Tablets that are placed under the skin are
A) enteric coated tablet
B) film coated tablet
C) implants
D) sublingual

16. Which heterocyclic ring is present in aminoride?
A) Pyrimidine ring
B) pteridine ring
C) pyrazine ring
D) pyridine

17. Which one of these is an indeffusible substances?
A) aspirin
B) kaolin
C) KI
D) CaCO3

18. The penicillin G preparation with the longest duration of action is
A) Benzathine penicillin
B) sodium penicillin
C) potassium penicillin
D) procaine penicillin

19. Which of the following drug act by inhibiting an enzyme in the body?
A) phenobarbitone
B) Allopurinol
C) Levodopa
D) Metoclopramide

20. which of the following is a prodrug?
A) Hydralazine
B) clonidine
C) Captopril
D) Enalapril

21. Colligative properties are useful in determining
A) Tonicity
B) solubility
C) sterility
D) stability

22. Which antibiotic is primarily bacteriostatic but becomes bactericidal at Higher concentrations?
A) Erythromycin
B) tetracycline
C) chloramphenicol
D) Ampicillin

23. Which of the following organism is notorious for developing anti microbial resistance rapidly?
A) Streptococcus pyrogenes
B) Meningococcus
C) treponema pallidum
D) Escherichia coli

24. Among the following cations,which cation is most abundant in extracellular fluid?
A) Na
B) K
C) Ca
D) Mg

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25. "Ionotropic effect" means
A) change of rate of contraction
B) change of force of contraction
C) regulation of conduction velocity
D) all of these

26. Soap type surfactants are incompatible with _____ Type surface active agents
A) cationic
B) Anionic
C) Non-Ionic
D) None of these

27. Active form of levodopa is
A) Carbidopa
B) Dopamine
C) Epinephrine
D) Nor – adrenaline

28. Which microphage cell is present in the skin?
A) Kupffer cell
B) osteoclast
C) Osteocyte
D) Dentritic cell

29. Which of the following does not change with change of temperature ?
A) molarity
B) normality
C) molality
D) formality

30. With iron compound, tannins give the colour
A) pale yellow
B) blue black
C) light pink
D) orange

31. Which vitamin has pteridine ring in its structure?
A) Pantothenic acid
B) biotin
C) Riboflavin
D) folic acid

32. Magnesium stearate is used as
A) antiadherent
B) disintegrant
C) Binder
D) antioxidant

33. Which of the following purgative drug belongs to Liliaceae family?
A) Aloe
B) Rhubarb
C) castor oil
D) senna

34. Tidal volume is equal to
A) functional residual capacity - expiratory reserve volume
B) inspiratory capacity - inspiratory reserve volume
C) residual volume + expiratory reserve volume
D) total lung capacity - vital capacity

35. Choose the correct incubation period for diphtheria
A) 7 to 14 days
B) 2 to 4 weeks
C) 2 to 4 days
D) 1 to 4 days

36. Which of the following is a reach source of vitamin A only
A) cod liver oil
B) Amla
C) yeast
D) Shark liver oil

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37. Identify a drug which forms more potent glucuronide conjugate metabolic as compared to the parent drug?
A) aspirin
B) chloramphenicol
C) levodopa
D) morphine

38. Hypodermic needle sizes are expressed by guage numbers. the guage number refers to the
A) external diameter of the cannula
B) internal diameter of the canula
C) length of the needle
D) bevel size

39. _____ is a 5-HT 3 Antagonist
A) Ondensetron
B) ketanserin
C) Risperidone
D) Clozapine

40. Which of the following test is not official in Indian Pharmacopoeia 2007?
A) Friability
B) disintegration
C) content uniformity test
D) hardness

41. Starch may be included in tablet formulations as a
A) colouring agent
B) disintegrant
C) diluent
D) Opacifying agent

42. Choose the Drug used to treat Tapeworm infections
A) Chloroquine
B) Metronidazole
C) Ciprofloxacin
D) Niclosamide

43. Which of the following subtrate inhibits bacterial Folic acid synthesis?
A) Ampoterecin
B) Artesunate
C) Dapson
D) Ivermectin

44. Which narcotic analgesic is considered to be 50 times more potent then morphine?
A) Diphenoxylate hydrochloride
B) Pethidine
C) codeine
D) Fentanyl citrate

45. The number of deaths in 1000 population in a year in a particular area is defined as
A) disability rate
B) crude mortality rate
C) utilization rate
D) morbidity rate

46. Carbomers may be included in the topical product as
A) sweetners
B) wetting agent
C) thickening agents
D) preservatives

47. Which heterocyclic ring is present in metronidazole?
A) pyrazol
B) Imidazole
C) Indole
D) pyrrole

48. The "F" value for a drug product is compared to its
A) dosing rate
B) clearance rate

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C) elimination Rate
D) absolute bioavailability

49. Water attack test is used to identify the alkalinity of
A) type 2 glass
B) type 3 glass
C) plastic
D) Type 1 glass

50. Which is the following is an example of indiffusible powder?
A) Light kaolin BP
B) Light Magnesium carbonate BP
C) Sodium bicarbonate BP
D) chalk BP

51. Which of the following is a sign or symptom of left sided heart failure?
A) bilateral rales
B) Jagular venous distension
C) Hepatomegaly
D) Peripheral edema

52. The biological half life of many drugs is often prolonged in newborn infants because of
A) a lower degree of protein binding
B) complete absorption of drugs
C) incompletely developed enzyme systems
D) a higher degree of protein binding

53. The dissolution rate of drug from Tablet may be increased by
A) increasing the concentration of lubricant
B) increasing the concentration of disintegrant
C) film coating the tablet with ethyl cellulose
D) increasing the compression pressure during tabletting

54. Which local anaesthetics is the ester of para amino benzoic acid?
A) Bupivacaine
B) Procaine
C) Hexylcaine
D) Lignocaine

55. Which amino acid has hydroxyl group in its side chain?
A) Valine
B) Leucine
C) Glycine
D) Serine

56. Blood bank comes under
A) schedule P
B) schedule F
C) schedule D
D) schedule G

57. Which of the following drug follows zero order Kinetic for metabolism?
A) Cetirizine
B) Loratidine
C) Valproic acid
D) Phenytoin

58. Absorption rate of a drug is most rapid when drug is formulated as
A) hard gelatin capsule
B) compressed tablet
C) solution
D) soft gelatin capsule

59. The colligative properties of a solution are related to the
A) pKa
B) number of a unionized molecules
C) number of ions

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D) total number of solute particles

60. pH is equal to pKa at
A) pH7
B) the neutralization point
C) half neutralization point
D) pH14

61. Drugs with which of the following half lives at the best candidates for oral sustain released dosage formulations?
A) 1 – 2 hours
B) 4 – 8 hours
C) 12 – 16 hours
D) 10 – 12 hours

62. Vitamin D3 is also known as
A) Ergosterol
B) Ergocalciferol
C) 7- deoxy cholesterol
D) Cholecalciferol

63. Which condition increases the rate of drug dissolution for tablet?
A) decrease in the particle size of the drug
B) use of ionized or salt form of the drug
C) use of free acid or free base of the drug
D) increase in the particle size of the drug

64. Which of the following is salt of a weak acid and strong base?
A) sodium salicylate
B) acetyl salicylic acid
C) Chlorpheniramine maleate
D) chlorpromazine hydrochloride

65. The "0" size capsule can fill the volume of
A) 2.95 ml
B) 1.36 ml
C) 0.15 ml
D) 0.75 ml

66. Choose the correct symptoms for third degree burns
A) redness and pain only
B) skin becomes dry, leathery and dead
C) blisters and pain
D) Erythema,swelling, tenderness without dead epithelium

67. For a solution to be isotonic with blood, it should have the same
A) pKa
B) fluid pressure
C) osmotic pressure
D) salt content

68. Which of the following has good polishing effect on teeth?
A) Stannous fluoride
B) zinc chloride
C) magnesium chloride
D) Strontium chloride

69. In which of the following dosage forms surface active agents are used in their formulation?
A) ointment
B) creams
C) dusting powder
D) bulk powder

70. Which antidote is used in copper poisoning?
A) Kaolin
B) sodium phosphate
C) Magnesium sulphate
D) D-Penicillamine

71. **_____ is the example of** phosphoprotein.

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A) casein
B) Hemoglobin
C) cholesterol
D) Hyaluronic acid

72. Chemoreceptor Trigger zone is an area of the_____ and plays role in stimulating
A) cerebrum, Respiration
B) Medulla oblongata, Emesis
C) Medulla oblongata, Respiration
D) cerebrum, Emesis

73. Which medicinal plant is also used as a source of naturally occurring sweating agent?
A) Peppermint
B) Acacia
C) Digitalis
D) Glycyrrhiza

74. Microsphenoid crystals of calcium oxalate are present in
A) clove
B) Fennel
C) Cinchona
D) Ginger

75. The mace of nutmeg is a
A) Arrilus
B) Caruncle
C) strophiole
D) Hairy outgrowth

76. The bone without marrow cavity is
A) clavicle
B) ulna
C) scapula
D) None of the above

77. Under which section of drug and cosmetic act the drug inspectors are appointed
A) Section 23
B) section 17
C) section 20
D) Section 21

78. Information source about drug information Centre may include
A) medical journals
B) online computer information source
C) reference books
D) all of the above

79. Which of the following is not a polyene antibiotic?
A) Candicidin
B) Bacitracin
C) Nystatin
D) Ampoterecin- B

80. Pernicious anaemia occurs due to
A) iron deficiency
B) absence of intrinsic factor
C) defect in maturation of RBC
D) abnormal haemoglobin

81. Acid insoluble as represent the presence of following in the plant
A) organic content
B) Earthy matter
C) crystals of calcium oxalate
D) water soluble content

82. Which of the following is permanent method of sterilization for female
A) tubectomy
B) combined pills
C) vasectomy
D) diaphragm

83. An antipyretic is a drug that
A) Lowers body temperature
B) raises body temperature

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C) kills infection
D) is used in viral attack

84. The extracellular concentration of sodium is
A) 114 mEq/L
B) 103 mEq/L
C) 130 mEq/L
D) 142 mEq/L

85. Chemical test for differentiation of monosaccharides and disaccharides is
A) Barfoed's test
B) Benedict's test
C) Molish test
D) Seliwanoff's test

86. First aid treatment of the Snake bite poisoning include
A) application of firm pressure over the bittern area
B) immobilization of the Limb to minimize the spread of the venom
C) both a and b
D) none of the above

87. Nitrous oxide is known as
A) laughing gas
B) tear gas
C) noble gas
D) stimulating gas

88. The antidote for DDT poisoning is
A) adrenaline
B) atropine
C) Barbeturate
D) Amphetamine

89. Ambulatory patients are
A) required to admit in the ward for treatment
B) required to go home after taking treatment in OPD
C) required emergency treatment
D) none of the above

90. _____ is used as plasticizer in coating
A) polyethylene glycol
B) castor oil
C) propylene glycol
D) all of the above

91. Which of the following is not obtained from animal sources
A) Tragacanth
B) Lanolin
C) shark liver oil
D) Gelatin

92. District opium officer appoints one cultivator as
A) Lambardar
B) Drug inspector
C) Narcotic commissioner
D) Executive commissioner

93. TPP is coenzyme of vitamin
A) riboflavin
B) Thiamine
C) pyridoxine
D) pantothenic acid

94. Which of the following drugs undergoes extensive first pass metabolism in the liver
A) Phenobarbitone
B) Propranolol
C) Phenylbutazone
D) Theophylline

95. Talcum powder are most effectively sterilized by
A) dry heat sterilization
B) autoclaving
C) gaseous sterilization
D) fridge drying

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96. _____ is benzodiazepine antagonist

A) diazepam
B) Flumazenil
C) Imipramine
D) Selegiline

97. The drug warfarin is used in disease

A) Hypertension
B) Thrombosis
C) Angina pectoris
D) CHF

98. Which of the following direct action cholinomimetic has the shortest duration of action?

A) Acetylcholine
B) Methacholine
C) Carbachol
D) Bethanechol

99. Which of the following is not ester derivative?

A) Methyl salicylate
B) Lignocaine
C) Acetylcholine
D) Procaine

100. Inventories can be referred to

A) raw materials
B) finished goods
C) spare parts
D) all of the above

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PHARMACIST TEST PAPER - 11

1. **Parasympathimimetic drugs causes**
   A) bronchodilation
   B) Mydriasis
   C) bradycardia
   D) constipation

2. **The most important cardiac stimulant is**
   A) Digoxin
   B) cimetidine
   C) Paracetamol
   D) Penicillin

3. **Pharmacodynamics involves the study of following**
   A) mechanism of drug action
   B) biotransformation of drugs in the organism
   C) distribution of drugs in the organism
   D) excretion of drug from the organism

4. **Affinity is a measure of**
   A) drugs binding to plasma proteins
   B) drugs binding to a receptor
   C) inhibiting potency of a drug
   D) bioavailability of a drug

5. **Which is the functional unit of kidney?**
   A) nephron
   B) lop of hanle
   C) bladder
   D) ureter

6. **Butylated hydroxytoluene is used as**
   A) An antibacterial
   B) An antioxidant
   C) A Suspending agent
   D) a colouring agent

7. **What term is used to describe a more gradual decrease in responsiveness to drug taking days or weeks to develop?**
   A) Refractoriness
   B) Cumulative effect
   C) Tolerance
   D) Tachyphylaxis

8. **The number of folds in the innermost part of the stomach is called**
   A) Rugae
   B) serosa
   C) Muscularis interna
   D) Muscularis externa

9. **Cetrimide is _____ type of surface active agent**
   A) neutral
   B) Cationic
   C) Anionic
   D) None of the above

10. **What is the important characteristic of the intramuscular route of drug administration?**
    A) only water solutions can be injected
    B) oily solutions can be injected
    C) opportunity of hypertonic solution injection
    D) the action develops slower than the oral administration

11. **Morphinan derivative is**
    A) pethidine
    B) pentazocin
    C) Levorphanol
    D) dipipanone

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12. Which of the following schedule give standard of medical contraceptives?
A) schedule C
B) schedule F3
C) schedule R
D) schedule R

13. The enzyme catalyzed hydrolysis of substrate is
A) Esterase
B) lactate dehydrogenase
C) transaminase
D) decarboxylase

14. _____ is anthranilic acid derivative
A) Diclofenac
B) Ibuprofen
C) Diflunisal
D) Mefenamic acid

15. Characteristic unwanted reaction which isn't related to a dose or to a pharmacodynamic property of a drug is called
A) Idiosyncrasy
B) hypersensitivity
C) tolerance
D) Teratogenic action

16. The longest and strongest bone of the body
A) Femur
B) Humerus
C) Fibula
D) Radius

17. Which of the following is the full form of CSF
A) Central spinal fluid
B) cranial spinal flow
C) cerebrospinal fluid
D) None of the above

18. Glycerine suppositories containing 92 % glycerine are solidified by the use of
A) White wax
B) stearic acid
C) sodium stearate
D) PEG 4000

19. 15 grains correspond to
A) 1 gm
B) 1 mg
C) 10 mg
D) 60 mg

20. Which one of the following does not belong to the class of high ceiling (Loop) diuretics?
A) Furosemide
B) Bemetanide
C) Acetazolamide
D) Torsemide

21. In India, 100 proof spirit alcohol correspond to
A) 57.1% w/v
B) 57.1% v/v
C) 50% w/v
D) 50% v/v

22. Chemical test which involve dehydration of sugar is
A) Seliwanoff's teat
B) Hey sulphur test
C) Iodine test
D) Benedict’s test

23. Linoleic acid is
A) saturated fatty acid
B) unsaturated fatty acid
C) lipoic acid
D) none of the above

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24. Superficial reflex is the type of which reflex
A) acquired reflex
B) conditioned reflex
C) Unconditioned reflex
D) muscularis reflex

25. HLB range of o/w emulsifying agent is
A) 0 - 3
B) 21 - 40
C) 9 -16
D) 5 - 10

26. Pharmacy Council of India is reconstituted every
A) 10 years
B) 1 year
C) 2 years
D) 5 years

27. Sulphonamide derivative used as diuretic agent
A) Acetazolamide
B) Mercaptomerin
C) Ethacrynic acid
D) Urea

28. Haemoglobin is example of
A) phosphoprotein
B) lipoprotein
C) nucleoprotein
D) Cromoprotein

29. Warburg-dickness-Lipman pathway is another name of
A) Glycoslysis
B) citric acid cycle
C) Hexose monophosphate shunt
D) Gluconeogenesis

30. The ointment base of mineral origin is
A) olive oil
B) cotton seed oil
C) paraffin wax
D) castor oil

31. Programmed cell death is called
A) necrosis
B) Mitosis
C) Miosis
D) Apoptosis

32. Dehydrogenase is example of
A) hydrolase
B) transferase
C) oxidoreductase
D) isomerases

33. The adult dose of a drug is 325 MG.what should be the dose for a 3 year old child?
A) 65 mg
B) 60 mg
C) 55 mg
D) 50 mg

34. Clofibrate is used as
A) CNS depressant
B) CNS stimulant
C) lipid lowering agent
D) analgesic

35. Which diuretic is acidifying agent?
A) mannitol
B) ammonium chloride
C) Ethacrynic acid
D) amiloride

36. Protein synthesis is done in
A) nucleus
B) mitochondria
C) ribosomes
D) lysosomes

37. What are the Chemicals involved in Libermann-Burchard's test?

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A) acetic acid and concentrated H2SO4
B) acetic anhydride and concentrated H2SO4
C) acetic anhydride and concentrated HCL
D) acetic acid and concentrated HCL

38. Which of the following condition is not associated with ischemic heart disease?
A) Angina pectoris
B) atherosclerosis
C) myocardial infarction
D) congestive heart failure

39. An example of Alkylating agent
A) Mitomycin C
B) Daunorubicin
C) Methotrexate
D) 5 FU

40. Atropine is the ester of
A) Tropine and mandelic acid
B) Tropine and Tropic acid
C) Tropic acid and salicylic acid
D) Tropine and salicylic acid

41. Antidote of benzodiazepine is
A) N-Acetylcysteine
B) Flumazenil
C) Barbiturates
D) Naloxone

42. Which drug has 2 chiral carbon?
A) Adrenaline
B) Noradrenaline
C) Ephedrine
D) Isoprenaline

43. Which of the following is primary site of action of local anaesthetic
A) nucleus
B) cytoplasm
C) cell membrane
D) mitochondria

44. Which of the following is not an eicosanoid?
A) Interleukine
B) Leukotriene
C) Thromboxane
D) Prostaglandin

45. Which of the following is an antitussive drug?
A) Codeine
B) Ambroxol
C) Bromohexine
D) Salbutamol

46. Microcrystalline cellulose is an example of_____ polysaccharide
A) synthetic
B) semi synthetic
C) natural
D) none of the above

47. Artificial invert sugar in honey can be detected on the basis of the presence of which of the following
A) countouring matter
B) Furfural
C) Traces of succinic acid
D) Enzymes

48. The initial distribution of a drug into the tissue is determined by
A) rate of blood flows to the tissue
B) plasma protein binding to the drug
C) affinity for the tissue
D) stomach emptying time

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49. Which one of the following schedules of drugs and cosmetics rules 1945 gives the requirements of factory premises plant and equipment etc for manufacture of medical devices?
A) Schedule M
B) schedule M (I)
C) schedule M (II)
D) schedule M (III)

50. Which of the following is the characteristics of nerve fibre?
A) all or none-law
B) excitability
C) conductivity
D) all of the above

51. Alkaline diuresis is done for the treatment of poisoning due to
A) Atropine
B) morphine
C) Phenobarbitone
D) Amphetamine

52. The licence for manufacture of cosmetics is issued in
A) form NO. 31
B) form NO. 32
C) form NO. 31 A
D) Form NO. 32 A

53. Which one of the following is not a low molecular weight heparin?
A) Enoxaparin
B) Lepirudin
C) Reviparin
D) Parnaparin

54. Dextran is used as
A) plasma Expander
B) coating agent in tablet
C) indicator in titration
D) buffering agent

55. Which of the following is Opium?
A) the dried latex exudates of the unripe incised capsules
B) the dried Aqueous extract of the ripe capsules
C) the dried alcoholic extract of the unripe capsules
D) concentrated alcoholic extract of the poppy straw

56. A part of prescription , subscription is the direction to the
A) medical officer
B) pharmacist
C) patient
D) health authority of the state

57. A natural product derivative developed as an antimalarial agent is
A) Artemether
B) Poludrine
C) Pyrimethamine
D) Halofantriene

58. The first tranquilizer of phenothiazine group of compound is
A) Prochlorperazine
B) Thiothixene
C) Haloperidol
D) Chlorpromazine

59. Which test organism is used to microbial assay of tetracycline?
A) Bacillus cereus
B) Bacillus pumilus
C) Bacillus subtilis
D) Micrococcus luteus

60. Which one of the following is a phase II drug metabolising reaction?

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A) oxidation
B) Acetylation
C) Hydrolysis
D) Reduction

61. Effect of injecting hypotonic saline intravenously
A) damage to venous walls
B) raise in the blood pressure
C) Hemolysis
D) diuresis

62. The term "False transmitter" is related to which one of the following drug?
A) Hydralazine
B) Methyldopa
C) sodium Nitroprusside
D) Minoxidil

63. Pyridoxine is administered with Isoniazid to minimize the
A) hepatotoxicity
B) nephrontoxicity
C) neurotoxicity
D) Idiosyncrasy

64. Which one of the following persons is not an ex-officio member of drugs technical advisory board (DTAB)?
A) drug controller general of India
B) director, Central drug Research Institute
C) director,Indian Council for Medical Research (ICMR)
D) president, Pharmacy Council of India

65. Which of the following anti-anginal agents is a Calcium channel blocker?
A) Nitroglycerine
B) Diphyradamol
C) Minoxidil
D) Nifedipine

66. Antibiotic inhibiting bacterial RNA synthesis is
A) Erythromycin
B) Rifampin
C) Chloramphenicol
D) Imipenem

67. The gland which in relation to body size is largest at birth and then gradually shrinks after puberty is
A) Thyroid
B) pituitary
C) Thymus
D) Adrenal

68. Atropine is 1:1 mixture of D and L
A) scopoletin
B) scopolamine
C) Hyoscyamine
D) Belladonna

69. Which one of the following is antisecretory , antispasmodic and anticholinergic drug?
A) Cyclopentolate
B) Procyclidine
C) Tropicamide
D) propantheline

70. According to Pharmacopoeia, which microorganism used for vitamin B12 activity assay?
A) Pseudomonas Aeroginosa
B) lactobacillis leichmannii
C) staphylococcus cerevisiae
D) Bacillus subtilis

71. Atropine is frequently used prior to administration of inhalant anaesthetics to reduce

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A) Muscle tone
B) Secretion
C) Nausea and vomiting
D) Appetite

72. Which of the following non narcotic agents is salicylic acid derivative?
A) Phenylbutazone
B) Ketamine
C) Aspirin
D) Tramadol

73. Broad spectrum antihelmintic is
A) Piperazine citrate
B) albendazole
C) Niclosamide
D) Tetrachlorothylene

74. An anti malarial obtained from Natural source is
A) Strychnine
B) Brucine
C) Reserpine
D) Quinine

75. Which one of these hypnotic drug can be injected by rectal route?
A) Triclofosodium
B) Chloral hydrate
C) Meprobamate
D) Paraldehyde

76. Which one of the following drugs is an aromatase inhibitor?
A) Raloxifene
B) Letrozole
C) Clomiphene
D) Mefipristone

77. Solochrome black indicator used in which type of titration
A) non aqueous titration
B) acid base titration
C) complexometric titration
D) gravimetric analysis

78. Which of the following agents is used as an inhalation drug in asthma?
A) Atropine
B) Ipratropium
C) Lobeline
D) Homatropine

79. Drugs are metabolised by
A) kidney
B) liver
C) lungs
D) Intestine

80. Indicate the local anaesthetic which is used for spinal anaesthesia?
A) Tetracaine
B) cocaine
C) Dibucaine
D) Bupivacaine

81. P wave of ECG is result of
A) Atrial depolarization
B) Atrial repolarization
C) Ventricular depolarization
D) Ventricular repolarization

82. Which one of the following antimalarials is safest in pregnancy?
A) Artesunate
B) chloroquine
C) Primaquine
D) artemether

83. The cardiovascular disease associated with the disorder of heart rate or rhythm is called
A) Arrhythmia
B) Myocardial Infarction

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C) Angina pectoris
D) Ischemia

84. Drugs useful in petitmal epilepsy
A) Phenytoin sodium
B) Ethosuximide
C) Carbamazepine
D) Phenobarbitone

85. Aprotic solvents are
A) basic
B) acidic
C) no acidic or basic
D) both acidic and basic properties

86. Allicin is a component present in which one of the following plant
A) coriander
B) garlic
C) Tulsi
D) Ashwagandha

87. Which of the following is not a benzodiazepine?
A) Diazepam
B) Nitrazepam
C) Zolpidem
D) Triazolam

88. Alkalinization of urine hastens the excretion of
A) weakly basic drugs
B) weakly acidic drugs
C) strong electrolytes
D) non polar drugs

89. A mixture of bees wax and carnauba wax is used in sugar coating process for
A) sealing
B) colour coating
C) polishing
D) subcoating

90. A leukotriene receptor antagonist used in allergic cough is
A) Rofecoxib
B) Theophylline
C) Losartan
D) Montelukast

91. Indicate the drug that induces Parkinsonian syndrome
A) Chlorpromazine
B) Diazepam
C) Triazolam
D) Carbamazepine

92. The paddle over disc is an USP
A) apparatus I
B) Apparatus II
C) Apparatus III
D) Apparatus V

93. Indicate the reversible Cholinesterase inhibitor
A) Isoflurophate
B) Carbachol
C) Physostigmine
D) Parathion

94. Which of the following agents is an inhibitor of aldehyde dehydrogenase?
A) Fomepizole
B) Ethanol
C) Disulfiram
D) Naltrexone

95. Crack is a derivative of
A) Opium
B) LSD
C) Cocaine
D) Cannabis

96. Select an endocrine drug which is a steroidal derivative
A) gonadorelin

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B) insulin
C) levothyroxine
D) hydrocortisone

97. What does pharmacokinetics include

A) pharmacological Effects of drugs
B) unwanted effects of drugs
C) chemical structure of a medicinal agent
D) distribution of drugs in the organism

98. Long term use of cimetidine may cause

A) Gynecomastia
B) cardiac failure
C) Rebound acidity
D) parietal cell blockade

99. Which of the following Anti - psychotic drugs is typical?

A) Clozapine
B) Quetiapine
C) Haloperidol
D) Olanzapine

100. Iodine value of an oil sample is the measure of

A) mean molecular weight of fatty acids
B) unsaturated fatty acids
C) free fatty acids
D) Unsaponifiable matter

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PHARMACIST TEST PAPER - 12

1. **A drug or cosmetic sample collected to the drug inspector during inspection of Pharmacy is divided into**
   A) two parts
   B) three parts
   C) four parts
   D) six parts

2. **Breeding of plants and animals is related to**
   A) extractive industry
   B) genetic industry
   C) manufacturing industry
   D) construction industry

3. **In commerce hindrance of exchange is removed by**
   A) trade
   B) currency
   C) Bank
   D) insurance

4. **Societies formed for the purpose of making available the goods to their members at cheap price is called**
   A) consumer cooperatives
   B) produces cooperatives
   C) marketing cooperatives
   D) Cooperative farming societies

5. **Minimum area required to run a drug store is**
   A) 10 square metre
   B) 15 square metre
   C) 16 square metre
   D) 20 square metre

6. **Licence to sell, stock or distribute by retail, the drug specified in scheduled C and C1 is issued in**
   A) Form 19
   B) Form 20
   C) Form 20B
   D) Form 21

7. **The art of recording all business transaction in set of books is**
   A) accounting
   B) book keeping
   C) auditing
   D) computing

8. **The accounts which relate to intangible things is called**
   A) personal account
   B) real account
   C) nominal account
   D) financial account

9. **Find the one which is not correct**
   A) assets = liabilities + capital
   B) assets = capital - liabilities
   C) assets - capital = liabilities
   D) assets – liabilities = owners equity

10. **Cash transactions with discounts are recorded in**
    A) cash book
    B) single column cash book
    C) double column cash book
    D) Ledger

11. **The advice given to the patients using Diazepam**
    A) do not take on empty stomach
    B) drug may cause drowsiness
    C) Urine colour may change
    D) constipation may occur

12. **Meaning of Arrhythmia**
    A) abnormal rhythm of heart
    B) inflammation of joints
    C) transitory cessation of breathing

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D) falling of hair

13. SGOT and SGPT levels are increased in
A) Hypertension
B) Angina
C) Epilepsy
D) Hepatitis

14. Chairman of PTC is
A) pharmacist
B) physician
C) head nurse
D) head pharmacist

15. PTC plays important role in
A) drug safety
B) ADR monitoring
C) emergency drug list
D) all the above

16. Minimum number of pharmacist required to run a very small Hospital
A) 3
B) 5
C) 7
D) 1

17. Patient able to walk around is called
A) out patient
B) Ambulatory patient
C) referred out patient
D) emergency out patient

18. Large volume parenterals means
A) more than 500 ml
B) more than 650 ml
C) more than 750 ml
D) more than 1000 ml

19. Which one of the following is not mechanical antidote?
A) Egg
B) Fats and oils
C) charcoal
D) EDTA

20. The drug which is given by oral route is
A) penicillin
B) insulin
C) Paracetamol
D) Gentamycin

21. The primary site for drug metabolism is
A) heart
B) Eye
C) Spleen
D) Liver

22. The target for drug action is
A) receptor
B) enzyme
C) Ion channel
D) all of the above

23. The limitations of oral route of drug administration are all except
A) not useful in emergency condition
B) cannot be used in unconscious patient
C) onset of action is slow
D) it is convenient and safe

24. Which is prodrug?
A) Gentamycin
B) Ampicillin
C) Levodopa
D) Sulbactam

25. Renin is a hormone secreted by
A) pancreas
B) Kidney
C) Liver

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D) Ovary

26. Parts of eye include all of the eye following except
A) stapes
B) cornea
C) lens
D) Pupils

27. The longest bone in the body is
A) Tibia
B) Femur
C) Ulna
D) Hip bone

28. Vomiting centre is situated in
A) pons
B) cerebellum
C) cerebrum
D) medulla oblongata

29. Which of the following is not part of a neurone
A) Axon
B) Dendrites
C) Cell body
D) Haemoglobin

30. Haemophilia occurs due to the absence of clotting factor number
A) V
B) VIII
C) VI
D) IV

31. The formation of RBC from bone marrow is called
A) erythropoiesis
B) coagulation
C) digestion
D) elimination

32. Arteries that directly lead into capillaries are called
A) Arterioles
B) Veins
C) Muscular arteries
D) Venules

33. Haemoglobin is a
A) carbohydrate
B) antibody
C) white blood cell
D) protein

34. The Migration of colour in tablet formulation is referred as
A) Mottling
B) picking
C) Sticking
D) capping

35. The nominal mesh aperture size through which fine powder can pass is
A) 1.7 mm
B) 355 um
C) 710 um
D) 180 um

36. Mixing of Pharmaceutical powders cannot be performed using
A) tumbler mixer
B) Double cone mixer
C) air mixer
D) disintegrator

37. About 50% of the final coating weight gain in sugar coating of tablets is achieved in the
A) sealing stage
B) Sub coating stage
C) Smoothing stage
D) polishing stage

38. Glass is composed principally of
A) calcium oxide

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B) Silicon oxide
C) sodium oxide
D) magnesium oxide

39. The rate of filtration depends on
A) temperature of the system
B) the pressure difference across the filter bed
C) volume of the dispersion to be filtered
D) particle size of the deposited solids

40. Empty gelatin shells will be having a moisture contents of
A) 12 – 15%
B) 18 – 25 %
C) 30 -40 %
D) 5 -7%

41. One of the statement is not correct about epidemiological triad
A) the epidemiological triad consist of three factors which include agent,host and environment
B) these three factors are responsible for spread of communicable diseases
C) if any one of these three factor is absent then disease cannot occur
D) absence of any one of these three factor can lead to disease

42. The substances which stimulate the body to produce antibodies are
A) pathogens
B) antigens
C) anti toxins
D) endotoxins

43. The percentage of alcohol in rectified spirit is
A) 40%
B) 90%
C) 70%
D) 100%

44. An example of biphasic liquid dosage form is
A) syrup
B) solution
C) Linctus
D) emulsion

45. Potent drugs are substances having the maximum dose of less than
A) 60 mg
B) 120 mg
C) 250 mg
D) 500 mg

46. An example of diffusible solid is
A) aspirin
B) Chalk
C) Magnesium carbonate
D) Calamine

47. Non staining iodine is prepared by
A) Chemical reaction
B) fusion method
C) Trifuration method
D) Emulsification method

48. Hydrous wool fat is a mixture of wool fat and purified water in the proportion
A) 30% w/w and 70% w/w
B) 70 % w/w and 30% w/w
C) 50% w/w and 50% w/w
D) 20% w/w and 80% w/w

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49. The drugs enquiry committee appointed by government of India is also known as
A) Bhatia committee
B) Chopra committee
C) Hathi committee
D) Mudaliar committee

50. Which of the following is not a function of the central drug standard control organisation (CDSCO)?
A) approval of new drug
B) granting permission to conduct clinical trials
C) setting standards for drugs,cosmetics,Diagnostics and medical devices
D) control of prices of bulk drugs and formulations

51. Code of Pharmaceutical ethics which lays down standards for professional conduct of a Pharmacist is framed by
A) Ministry of Health and Family Welfare
B) Indian Pharmaceutical Association
C) Pharmacy Council of India
D) World Health Organisation

52. Good manufacturing practices (GMP) are prescribed in
A) schedule G
B) schedule M
C) schedule P
D) schedule S

53. Requirement for running a Pharmacy are described in the following schedule of drugs and cosmetic act
A) schedule C
B) schedule D
C) schedule N
D) schedule P

54. The words "caution : it is dangerous to take this preparation except under medical supervision" is a statutory labelling requirement for
A) schedule C drug
B) schedule G drug
C) schedule H drug
D) schedule X drug

55. What are the common problems with rubber closures?
A) leaching of closure additives
B) vapour permeation
C) adsorption of drug of additives
D) all of the above

56. The correct combination of minimum temperature and holding time of autoclaving is
A) 115^{o}C for 15 minutes
B) 121^{o}C for 30 minutes
C) 115^{o}C for 30 minutes
D) 134^{o}C for 15 minutes

57. Chlorthiazide is a diuretic drug. The heterocyclic ring present in this compound is
A) 1,2,4-thiadiazole
B) 1,3,4- thiadiazole
C) 1,3,4- thiadiazine
D) 1,2,4- thiadiazine

58. Imipramine is a_____ derivative which is used as a/an____agent.
A) Benzodiazepine ; Antidepressant
B) phenothiazine ; Tranquillizer

C) Dibenzocycloheptyl ; Hallucinogenic
D) Dibenzazepine; Antidepressant

59. The two 'Halo-aryl' groups present in haloperidol are
A) p- Fluorophenyl and m-chlorophenyl
B) p-Fluorophenyl and p-chlorophenyl
C) m-Fluorophenyl and p-chlorophenyl
D) p-Bromophenyl and m-chlorophenyl

60. Antifolate drug used in the treatment of malarial infection is
A) pyrimethamine
B) chloroquine
C) Mepacrine
D) Methotrexate

61. Which of the following information on Physostigmine is wrong?
A) it is not a synthetic compound
B) it inhibits the enzyme 'acetylcholine-esterase'
C) a pre anaesthetic medicament to reduce salivary secretion
D) used in ophthalmic practices

62. The diuretic drug which is used to test renal function testing is
A) Furosemide
B) Mannitol
C) Benzothiazide
D) Ethacrynic acid

63. Cotrimoxazole is the combination of two drugs.the heterocyclic rings present in this compounds are_____ and _____
A) Oxazole and pyrimidine
B) thiazole and pyridazine
C) Isoxazole and pyrimidine
D) Oxazole and pyrazine

64. Standard solution in the limit test of sulphate is prepared by using
A) CuSO4
B) Na2SO4
C) K2SO4
D) ZnSO4

65. Calcium gluconate is used as
A) disinfectant
B) electrolyte replenisher
C) antacid
D) preservative

66. The indicator used in the assay of Ammonium Chloride is
A) Phenolphthalein
B) Methyl red
C) Phenol red
D) Starch mucilage

67. Anti flatulent used in antacid preparations is
A) Simethicone
B) Magnesium oxide
C) Titanium dioxide
D) none of these

68. Aluminium Hydroxide gel is used as
A) electrolyte replenisher
B) antacid
C) antiseptic
D) antipyretic

69. Synonym of FeSO4
A) Blue vitriol
B) Green vitriol
C) white vitriol
D) Red vitriol

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70. Isotopes have different numbers of
A) protons
B) electrons
C) neutrons
D) none of the above

71. Which of the following drug is used as direct latex?
A) Papain
B) Turmeric
C) aconite
D) pale catechu

72. Drug used as anti malarial
A) Ergot
B) Cinchona
C) Nux Vomica
D) Ipicac

73. Carminative properties is shown by
A) Datura
B) Ginger
C) Cinchona
D) Punarnava

74. Which of the following drug contains enzyme?
A) papaya
B) Amala
C) Tulsi
D) nutmeg

75. Which drug used as antileprotic?
A) Shark liver oil
B) Arachis soil
C) olive oil
D) chaulmoogra oil

76. Gokhru is used as
A) Astringent
B) diuretic
C) Oxytocic
D) Antiseptic

77. Acid present in Myrrh
A) Comiphoric acid
B) citric acid
C) Formic acid
D) Benzoic acid

78. Main pharmacological effect of Ephedrine is
A) Diuretic
B) Cardiotonic
C) Bronchial asthma
D) Antiseptic

79. Deficiency of essential fatty acids in human causes
A) Eczema
B) degenerative changes in arterial wall
C) fatty liver
D) all of the above

80. Which of the following is not the property of proteinsm
A) enzymes
B) hormones
C) hereditary material
D) respiratory pigments

81. In which of the following organ digestion of carbohydrate will not take place?
A) mouth
B) stomach
C) Duodenum
D) small intestine

82. Hyperglycemia is caused by
A) hyperthyroidism
B) hyper pituitorism
C) hyper activity of adrenal gland
D) all of the above

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83. Which of the following is the bile pigment
A) bilirubin
B) acetone
C) carnitin
D) cholesterol

84. Which of the following is a neurotransmitter?
A) serotonin
B) melatonin
C) nitric oxide
D) all of the above

85. In microcytic anaemia the size of red blood cell is
A) small
B) large
C) Normal
D) All of the above

86. Multiple forms of same enzyme are called as
A) Coenzymes
B) Apo enzymes
C) Iso enzymes
D) isomerases

87. High intake of which mineral increases the blood pressure
A) sodium
B) potassium
C) calcium
D) phosphate

88. The stage of the demographic cycle in which the death rate begins to fall but the birth rate remains unchanged and it is known as
A) Declining stage
B) Late expanding stage
C) Early expanding stage
D) High stationary stage

89. When the burn is characterized by simple erythema, swelling and tenderness but there is no death of epithelium it is categorised in to
A) First degree burn
B) second degree burn
C) Third degree burn
D) Fourth degree burn

90. One of the following disease is not transmitted by housefly
A) dysentery
B) cholera
C) malaria
D) enteric fever

91. Presence of risk factors such as lack of physical activity, high level of serum cholesterol, obesity and mental stress in a person are more relevant to cause
A) Coronary heart disease
B) blindness
C) lung disease
D) cancer

92. Synovial membrane lines the cavities of
A) Heart
B) brain
C) air sinuses
D) joints

93. Glaucoma offers due to increase in
A) intracranial pressure
B) intraocular pressure
C) intra vascular pressure
D) intra luminal pressure

94. Ribosomes is a site for production of

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A) nucleic acids
B) vitamins
C) chromosomes
D) Proteins

C) neutrophil
D) macrophages

95. Mycobacterium can be stained by which of the following?
A) Gram's stain
B) ziehl-Neelsen stain
C) Albert's stain
D) Neisser's stain

96. The polysaccharide employed for the assessment of kidney function is
A) creatinine
B) insulin
C) inulin
D) galactose

97. The functionally active form of vitamin D is
A) 1,25 dehydroxycholecalciferol
B) ergocalciferol
C) 22-dihydroergocalciferol
D) 25-hydroxycholecalciferol

98. Deficiency symptoms of which vitamin include cheilosis, glossitis and dermatities?
A) vitamin A
B) vitamin B1
C) vitamin E
D) Vitamin B6

99. Pain sensation is carried by
A) corticospinal tract
B) tectothalamic tract
C) cerebellopontine tract
D) spinothalamic tract

100. Cell mediated immunity is the function of
A) B lymphocytes
B) T lymphocytes

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PHARMACIST TEST PAPER - 13

1. **Rods and cones are**
   A) photoreceptors
   B) chemo receptors
   C) baroreceptor
   D) audio receptor

2. **Human bird flu is caused by**
   A) H1N1 influenza virus
   B) H3N2 Influenza virus
   C) H5N1 influenza virus
   D) H2N3 influenza virus

3. **The full meaning of MMR vaccine is**
   A) measles mumps and rabies
   B) measles,mumps and Rota
   C) mononucleosis , molluscum and Rota
   D) Measles, mumps and rubella

4. **Mortality rate is typically expressed in units of deaths per**
   A) 100 individual every year
   B) 200 individual every year
   C) 500 individuals every year
   D) 1000 individuals every year

5. **Insulin dependent Diabetes mellitus is caused due to**
   A) decreased production of insulin
   B) increased production of insulin
   C) decreased production of glucagon
   D) increased production of glucagon

6. **Proteins are polymers of**
   A) esters
   B) ethylene
   C) amino acids
   D) fatty acids

7. **Galactose is a**
   A) monosaccharide
   B) disaccharide
   C) polysaccharide
   D) sucrose

8. **Which acid is a precursor of prostaglandin?**
   A) lactic acid
   B) pyruvic acid
   C) formic acid
   D) Arachidonic acid

9. **The major intracellular cation is**
   A) ca++
   B) Mg++
   C) K+
   D) Na+

10. **Boric acid is a / an**
    A) very weak acid
    B) very strong acid
    C) mineral acid
    D) organic acid

11. **Milk is a rich source of**
    A) Na+
    B) K+
    C) Ca++
    D) Mg++

12. **Scurvy is manifested due to deficiency of**
    A) thiamine
    B) Ascorbic acid
    C) Biotin
    D) Niacin

13. **Administration of chloramphenicol May cause**
    A) lymphocytosis
    B) agranulocytosis
    C) monocytosis
    D) erythrocytosis

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14. Haem synthesis starts with condensation of glycine with
A) alpha ketoglutarate
B) citryl-CoA
C) succinyl-CoA
D) malate

15. The pigment melanin is synthesized from the amino acid
A) Tryptophan
B) methionine
C) tyrosine
D) alanine

16. Simple syrup is a solution of sucrose in water having sucrose concentration of
A) 60% w/v
B) 75% w/v
C) 80% w/v
D) 85% w/v

17. Calcium Hydroxide is also known as
A) slaked lime
B) quick lime
C) dehydrated lime
D) burnt lime

18. Drug that stimulates evacuation of bowel in known as
A) Anthelmintic
B) anticholinergic
C) laxative
D) expectorant

19. Which of the following is an example of astringent?
A) Milk
B) Tannins
C) fatty acids
D) calcium carbonate

20. Which metal is used as radiation shield?
A) Cobalt
B) Bismuth
C) gold
D) lead

21. Potassium permanganate is a powerful
A) oxidizing agent
B) reducing agent
C) catalytic agent
D) mixing agent

22. Alliin is converted into allicin in by the action of
A) alliiase
B) allicinase
C) alliinase
D) alliniase

23. Ketone bodies present in urine sample can be detected by
A) Benedict test
B) Rothera's test
C) fehling's test
D) Hay's sulphur test

24. The compound implicated in the development of cataract in diabetic patient is
A) glucose
B) galactose
C) lactose
D) maltose

25. Clavulanic acid is a
A) beta lactam inhibitor
B) Alpha receptor inhibitor
C) beta lactamase inhibitor
D) beta receptor inhibitor

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26. Which of the following is an example of polynuclear hydrocarbon?
A) cresol
B) phenol
C) naphthalene
D) benzedine

27. Thiothixene belongs to which category of drugs?
A) antiepileptic
B) Antipsychotic
C) Antidiuretic
D) Antisecretory

28. The action of a drug that increases the force of contraction of myocardium is termed as
A) positive chronotropic effect
B) negative chronotropic effect
C) positive inotropic effect
D) negative inotropic effect

29. The pages of a ledger are called
A) leaves
B) bills
C) folios
D) leaflets

30. Diosgenin is used for the commercial synthesis of
A) digoxin
B) chloroquine
C) Ampicillin
D) progesterone

31. Hepatitis A virus spreads by which of the following routes?
A) parenteral route
B) pulmonary route
C) sexual route
D) Oro-faecal route

32. Presence of which of the following in urine indicates pregnancy?
A) prolactin
B) HCG
C) Methyl progesterone
D) Testosterone

33. Which of the following is an opioid analgesic?
A) Ibuprofen
B) celecoxin
C) Naproxen
D) pethidine

34. Cetirizine is an antihistaminic agent with
A) high sedative potential
B) low sedative potential
C) high antidepressant potential
D) low antidepressant potential

35. Which of the following colours is not permitted to be used in drugs as per the drugs and cosmetics act 1940?
A) chlorophyll
B) erythrosine
C) Tartrazine
D) amaranth

36. The antibodies capable of neutralizing exotoxins are called
A) endotoxin
B) epitoxins
C) antitoxin
D) serotonin

37. How many times is fluidised bed dryer method faster than that of a tray dryer?
A) 3 times
B) 5 times
C) 10 times

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D) 15 times

38. Sintered glass filters are made of
A) borosilicate glass
B) quartz
C) sodium silicate glass
D) aluminosilicate glass

39. According to Lewis acid base concept AlCl3 is
A) an acid
B) a base
C) a salt
D) a colloid

40. Antioxidants are compounds which have the capability of functioning chemically as
A) oxidizing agent
B) reducing agent
C) neutralizing agent
D) antivirus agent

41. Nitrous oxide is used as
A) vasodilator drug
B) an anaesthetic drug
C) an antidepressant
D) respiratory stimulant

42. Hyponatremia means low serum
A) sodium level
B) calcium level
C) magnesium level
D) potassium level

43. What is the major alkaloid of Rauwolfia plant?
A) Colchicine
B) Caffeine
C) Strychnine
D) Reserpine

44. 6th edition of Pharmacopoeia was published in
A) 1996
B) 2007
C) 2010
D) 1985

45. Normal bleeding time is
A) 1 to 3 minutes
B) 4 to 10 minutes
C) 30 minutes
D) 60 minutes

46. Which substance absorb moisture from atmosphere and turn to liquid form
A) Hygroscopic
B) Hydrophilic
C) Deliquescent
D) None of these

47. Sterilized milk lacks in
A) vitamin A
B) vitamin C
C) vitamin D
D) None

48. Burning foot syndrome is due to deficiency of
A) vitamin B12
B) vitamin B2
C) Vitamin B6
D) vitamin B5

49. Disease that is not associated to virus
A) encephalitis (Herps)
B) Chancroid
C) hepatitis
D) dengue

50. If a drug contain a colour which is not prescribed is called
A) Spurious
B) Misbranded
C) Adulterated

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D) Any of the above

51. Alkyl halide on reduction gives
A) Alkane
B) Alkene
C) Alkyne
D) Alcohol

52. Non opioid analgesic and is prodrug also
A) Nabumetone
B) Diazepam
C) both
D) None

53. In assay of Glycerine ____ is used
A) Boric acid
B) Citric acid
C) Both
D) None

54. Progesterone is derived mainly from
A) Estrogen
B) Testosterone
C) Corpus Luteum
D) Chorionic Gonadotropine

55. Externally used powder for body cavities are called
A) detergent
B) dusting powder
C) talcum powder
D) insufflation

56. Mixing olive oil to water is a
A) therapeutic incompatibility
B) physical incompatibility
C) chemical incompatibility
D) none of these

57. Glycerine is
A) Efflorescent
B) Humectant
C) Deliquescent
D) None of the above

58. The intravenous iron preparation is
A) ferrous sulphate
B) ferrous fumarate
C) ferric ammonium citrate
D) iron Dextrin

59. The bitter taste of fennel is due to presence of
A) Anethol
B) Fenchone
C) Both
D) None

60. What is active ingredient in most laxative suppositories
A) paraffin
B) senna
C) glycerine
D) cascara

61. The first Pharmacy Council of India is constituted in
A) 1949
B) 1948
C) 1955
D) 1972

62. Rate of evaporation depend on the
A) surface area
B) viscosity
C) temperature
D) all

63. Non protein part of enzyme is called
A) cofactor
B) Apoenzyme
C) Prosthetic group
D) All

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64. The conversion of an amino acid into a sugar is
A) Hydrolysis
B) Co-carboxylation
C) Glycolysis
D) Gluconeogenesis

65. In flocculated suspension rate of sedimentation is
A) high
B) slow
C) Moderate
D) None

66. The mineralocorticoids that has sodium retaining property is
A) Aldosterone
B) Testosterone
C) Insulin
D) Progesterone

67. Enemas are also called as
A) Elixir
B) Suspension
C) Emulsion
D) Clystric

68. Oxyphenbutazone containing heterocyclic ring is
A) Imidazole
B) Pyrazole
C) Pyrazolidine
D) Thiophene

69. Which of the following techniques is used to determine the particle size of aerosol?
A) microscopy
B) cascade impactor
C) light scatter decay
D) Both (B) and (C)

70. Which mill is used for powdering hard crude drug?
A) Disintegrator
B) Edge runner mill
C) Colloidal mill
D) Fluid Energy Mill

71. Cochineal contains
A) Carminic acid
B) Caffeine
C) citric acid
D) None of the above

72. The normal value for glucose in blood is
A) 250 - 350 mg%
B) 200 - 250 mg %
C) 100 - 200 mg%
D) 80 - 120 mg%

73. Streptomycin inhibits
A) Protein synthesis by binding to 50s ribosome subunit
B) Protein synthesis by binding 30s ribosome subunit
C) inhibits DNA dependent RNA
D) inhibit DNA gyrase

74. Which one is correct?
A) lotion applied with friction
B) Liniment applied with friction
C) both
D) none

75. Choose the following solution that should be sterile when dispensed
A) syrups
B) Spirits
C) Tinctures
D) Ophthalmic solution

76. Thiomersal is a _____ type preservative
A) mercural preservative

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B) acidic
C) Basic
D) Quarternary ammonium compound

77. Which of the following element is required for contraction of muscles?
A) Na
B) Mg
C) Ca
D) Mn

78. Borax is
A) Antimicrobial
B) Antifungal
C) Both
D) None

79. Blood clotting can be prevented by
A) sodium chloride
B) potassium chloride
C) sodium citrate
D) lithium chloride

80. MAO is classified as a
A) protein inhibitor
B) complexing agent
C) Enzyme
D) Hormone

81. Which of the following is not used for the dry product of evaporator?
A) evaporating pan
B) evaporating Steel
C) evaporating film
D) none

82. Which of the following is used as preservative?
A) boric acid
B) citrate
C) phosphate
D) all

83. The end product of the hydrolysis of glycogen is
A) galactose
B) mannose
C) glucose
D) Xylose

84. Nicorandil is a
A) potassium channel opener
B) sodium channel blocker
C) both
D) None

85. Tincture of orange is prepared by
A) Maceration
B) Infusion
C) Percolation
D) Decoction

86. Organ of corti is a part of
A) inner ear
B) external ear
C) middle ear
D) none of this

87. Carbowax is a type of
A) Absorption base
B) Modern ointment
C) Water soluble bases
D) Oleoginous and hydrocarbon

88. Tears pH is
A) 7.2
B) 8
C) 4.6
D) 3.7

89. Volatile oil is separated from crude drug by
A) simple distillation
B) boiling with solvent

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C) distillation under reduced pressure
D) none of them

90. Corpus luteum secretes
A) Oestrogen
B) progesterone
C) Relaxin
D) vasopressin

91. Suppositories are evaluated by
A) melting range method
B) breaking point method
C) liquification method
D) all

92. Keratin is a
A) hormone
B) Structural protein
C) Glutelin
D) peptone

93. Product size of 1 - 30 microns may be obtained using
A) Roller mill
B) Hammer mill
C) fluid energy mill
D) Cutter mill

94. Caustic soda formula is
A) NaOH
B) CaO
C) Ca(OH)2
D) Mg (SO4)2

95. Crude drugs are dried in
A) fluidised bed dryer
B) tunnel dryer
C) tray dryer
D) None

96. When drug is placed in between cheeks and gums this route is called
A) buccal
B) intravenous
C) intramuscular
D) subcutaneous

97. The following are the oily solvents used for parenteral except
A) cotton seed oil
B) sesame oil
C) ethyl oleate
D) castor oil

98. Which is synthetic sweetner?
A) Aspertame
B) glucose
C) sucrose
D) sorbitol

99. Number of ATP produced in TCA cycle
A) 12
B) 15
C) 38
D) 30

100. Ampoules are usually made of
A) soda glass
B) Borosillicate glass
C) silicone treated glass
D) Neutral glass

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1. **Sera are used to provide**
   A) artificial active immunity
   B) natural passive immunity
   C) artificial passive immunity
   D) none of them

2. **Synthesis of Vitamin A is from**
   A) stomach
   B) Duodenum
   C) liver
   D) pancreas

3. **Anti TB drug which can cause Ototoxicity is**
   A) Rifampicin
   B) Streptomycin
   C) Ethambutol
   D) Pyrazinamide

4. **Cinnarizine is a**
   A) Antihistaminic
   B) sedative
   C) Anticholinergic
   D) All of the above

5. **A potent 5HT receptor agonist used in migraine is**
   A) Clonidine
   B) stemetil
   C) sumatriptan
   D) propranolol

6. **The following are cardio selective beta adenergic blocking agents except**
   A) Labetalol
   B) Acebutolol
   C) Atenolol
   D) Metoprolol

7. **Which one of these is a deoxy sugar?**
   A) digitoxose
   B) fructose
   C) lactose
   D) none

8. **Pre clinical studies of drug are carried out on**
   A) animal model
   B) human being
   C) both
   D) none

9. **Which of the following release cytolytic T4 proliferating cells that is used in Cancer?**
   A) IL 1
   B) IL 6
   C) IL 8
   D) IL 2

10. **Amyl nitrates pearls are administered by**
    A) oral route
    B) parenteral route
    C) sublingual
    D) Inhalation

11. **Cyclopropane is a**
    A) Local anaesthetics
    B) general anaesthetic
    C) Anti oxidants
    D) antibiotic

12. **Alum is commonly used as**
    A) anti infective
    B) protective
    C) astringent
    D) all

13. **Trihexylphenidyl is used in**
    A) parkinsonism
    B) Mania
    C) Epilepsy
    D) Diarrhoea

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14. Mitral valve is present between
A) right Atrium - right ventricle
B) left Atrium - left ventricle
C) right Atrium - left ventricle
D) left Atrium - right ventricle

15. Drug used as nasal decongestant
A) xylometazoline
B) morphine
C) pilocarpine
D) atropine

16. The general anaesthetic administered intravenously is
A) phenobarbitone
B) ketamine
C) allobarbital
D) picrotoxin

17. 10 – 11 Epoxide is metabolic product of
A) phenytoin
B) carbamazepine
C) valproic acid
D) Ethosuximide

18. Piracetam is used to improve the function of
A) brain
B) eye
C) ear
D) All

19. Broad spectrum antifungal are
A) Imidazole and triazole
B) Griseofulvin
C) Flouroquinolone
D) chloramphenicol

20. Which of the following is a side effect of cimetidine?
A) Diarrhoea
B) constipation
C) inhibition of hepatic enzyme
D) None of the above

21. Choose the non systemic antacid among the following
A) aluminium hydroxide
B) magnesium trilicate
C) magnesium hydroxide
D) all of the above

22. Analgesics are
A) CNS depressants
B) inhalation route
C) CNS stimulant
D) All

23. Barbiturates are
A) derived from malonic acid
B) cyclic ureides
C) urea derivative
D) all of the above

24. The anti arrhythmic drug is
A) procainamide
B) Paraquine
C) pilocarpine
D) Atropine

25. Antithyroids are drugs which diminish or abolish the action of endogeneously released
A) thyroxine
B) insulin
C) histamine
D) HCL

26. Indomethacin is used in the treatment of
A) Rheumatoid arthritis
B) Gout
C) Ankylosing spondylitis
D) All

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27. Which of the following drugs is similar to carbidopa in the pharmacological category?
A) Levodopa
B) Bromocriptine
C) Amantadine
D) Benserazide

28. The major organ responsible for drug detoxification
A) lung
B) liver
C) Muscular tissue
D) intestine

29. The drug used in respiratory depression is
A) Metamizole
B) Metronidazole
C) Leptazole
D) All of the above

30. A local anaesthetic agent is
A) ether
B) nitrous oxide
C) cyclopropane
D) procaine HCL

31. Nitrofurantoin is used mainly to treat
A) syphilis
B) urinary tract infections
C) respiratory tract infections
D) all of the above

32. A narrow spectrum antibiotic is
A) penicillin
B) Ampicillin
C) tetracycline
D) Both A and B

33. Mala – N contains
A) Non ethisterone acetate
B) Ethynyl oestradiol
C) Both A and B
D) None of these

34. Drug of choice in diarrhoea is
A) Metoclopramide
B) cefixime
C) Levofloxacin
D) Loperamide

35. Rifampin is contraindicated for the patient of
A) jaundice
B) hypertension
C) renal dysfunction
D) AIDS

36. The ideal antiseptic concentration of ethyl alcohol is
A) 50%
B) 75%
C) 95%
D) 70%

37. Which one of the following is the mechanism of Ranitidine?
A) prostaglandin release
B) stimulate gastrin release
C) stimulate histamine release
D) inhibits gastric acid secretion

38. Aorta contains
A) mitral valve
B) Tricuspid valve
C) semilunar valve
D) Bicuspid valve

39. Cycloserine is analogue of
A) D-alanine
B) D-serine
C) L-serine
D) L-alanine

40. A miotic drug used in glaucoma is
A) Chloroquine

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B) Ephedrine
C) Pilocarpine
D) Amphetamine

41. What is the primary site of action for spironolactone and Triamterene?
A) proximal tubule
B) ascending loop of Henle
C) descending loop of Henle
D) distal collecting tubule

42. Picrotoxin causes
A) Sedation
B) convulsions
C) Analgesia
D) All of the above

43. Nitroglycerine is used in
A) General anaesthetic
B) leprosy
C) local anaesthetics
D) Angina pectoris

44. Which of the following drugs is a MAO-B inhibitor?
A) Selegiline
B) Dopamine
C) adrenaline
D) Isoprenaline

45. A teratogenic drug causes toxicity to
A) liver
B) kidney
C) Foetus
D) Brain

46. Metabolite of a spironolactone is
A) Amrinone
B) Milrinone
C) Canrenone
D) samzonone

47. Which one is the combination of anticancer antibiotic?
A) Doxorubicin and Bleomycin
B) Doxorubicin and Streptomycin
C) Bleomycin and vancomycin
D) Methotrexate and Chlorambucil

48. Diazoxide (Hyperstat) is administered
A) orally
B) Intramuscularly
C) By I.V.infusion
D) By rapid I.V.injection

49. C shaped cartilage present in
A) larynx
B) trachea
C) bronchi
D) bronchioles

50. Azithromycin is mainly eliminated by route
A) Renal
B) Hepatic
C) Perspiration
D) semen

51. The amount of blood expelled by contraction of ventricle per minute
A) stroke volume
B) cardiac cycle
C) heart rate
D) cardiac output

52. Which of the following inhibits ketoconazole absorption?
A) Ranitidine
B) Nizatidine
C) cimetidine
D) Famotidine

53. Anti viral drug is
A) Metronidazole

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B) chloroquine
C) interferon
D) Quinine

54. One of the following drug when co- administered with Terfenadine may lead to life threatening cardiac dysrhythmia. Identify
A) Lomefloxacin
B) clofazimine
C) Itraconazole
D) Neomycin

55. Plant alkaloid used as anti cancer
A) taxane
B) Etoposide
C) vincristine
D) All of the above

56. A non barbiturate Intravenous anaesthetic is
A) Thiopentone
B) Methohexitone
C) Propanidid
D) Phenobarbitone

57. Solapsone is
A) Diuretic
B) Antihistaminic
C) Anti leprotic
D) All of the above

58. The drug used in the treatment of Amoebiasis is a
A) Paracetamol
B) lasix
C) Diiodoquin
D) physostigmine

59. Maximum absorption of drug in Gastro intestinal tract is achieved by
A) facilitate diffusion
B) active diffusion
C) active transport
D) passive diffusion

60. Which sulphonamide after metabolism is converted into Sulfapyridine and 5 amino salicylic acid?
A) Sulfacetamide
B) Sulfamethoxazole
C) sulfadiazine
D) sulfasalazine

61. The hormone which increases blood glucose level
A) glucagon
B) insulin
C) oestrogen
D) testosterone

62. In geriatric patient the dose of digitalis is reduced due to
A) Nephrotoxicity
B) liver toxicity
C) cumulative toxicity
D) None

63. Amphetamine is an
A) Analeptic
B) Antiseptic
C) Astringent
D) All of the above

64. Apomorphine is used as
A) purgative
B) ecbolic
C) Emetic
D) Diuretic

65. Amitriptyline is used in
A) Epilepsy
B) Mania
C) severe depression
D) Hyperacidity

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66. One of the following diuretics is similar to that of diazoxide
A) Acetazolamide
B) Furosemide
C) Mannitol
D) Chlorthiazide

67. A toxic effect of alcohol is
A) Mitosis
B) mydriasis
C) respiratory depression
D) CNS stimulation

68. Excretion of volatile general anaesthetics occurs
A) lungs
B) kidney
C) heart
D) intestine

69. Simvastatin is used in
A) Hypertension
B) Congestive cardiac failure
C) Atherosclerosis
D) Myocardial infarction

70. Sulfide metabolite of one of the following is active
A) Ketoprofen
B) Naproxen
C) piroxicam
D) sulindac

71. One of the following is a selective Cox 2 inhibitor
A) Paracetamol
B) Nimesulide
C) valdecoxib
D) All of the above

72. The Angiotensin receptor antagonist used in hypertension
A) Captopril
B) Enalapril
C) Losartan
D) Nifedipine

73. Roxatidine is used to treat
A) ulcer
B) Edema
C) hypertension
D) C.C.F.

74. The hypotensive effect of clonidine is due to its action on
A) Alpha 1 adrenoreceptor
B) alpha 2 adrenoreceptor
C) H2 receptor
D) H1 receptor

75. In supraventricular arrhythmia, digoxin when supplement with _____ is dangerous.
A) Quinidine
B) Procaine
C) calcium
D) Xylocaine

76. Drug useful in zollinger Ellison syndrome is
A) Ranitidine
B) cimetidine
C) Sucralfate
D) omeprazole

77. Store in a cool place means
A) 8 – 25^{o}C
B) at 0^{o}C
C) 2 -8 ^{o}C
D) 5 – 10^{o}C

78. Interaction of tetracycline with metal ions is an example of
A) protein displacement
B) antagonistic effects
C) complexation and adsorption
D) alteration of GI absorption

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79. A person taking nitro glycerine consumes alcohol the drug interacts with alcohol and the effects seen is
A) severe hypotension and collapse
B) drowsiness
C) Anticoagulant effect
D) Hypertension

80. An agent commonly combined with local anaesthetics is
A) Ephedrine
B) Isoproterenol
C) Phenylephrine
D) Epinephrine (Adrenaline)

81. RBCs are haemolyses in G6PD deficiency is by
A) Ampicillin
B) Dapsone
C) sulfadimidine
D) Gentamycin

82. Benorylate is a prodrug,chemically it is polymeric condensation product of
A) Aluminium oxide and aspirin
B) An acetyl salicylic ester of phenol
C) an acetyl salicylic ester of Paracetamol
D) An acetyl salicylic ester of B-napthol

83. Head of femur fitted in
A) Glenoid cavity
B) Olecranon fossa
C) acetabulum cavity
D) coronoid fossa

84. Propyl thiouracil is similar to one of the following drugs in pharmacological action
A) Azathioprine
B) Chlorambucil
C) Methimazole
D) Acyclovir

85. Most of the local anaesthetics are
A) esters of P-amino benzoic acid
B) Amides of naphtholic acid
C) esters of propionic acid
D) Allantoin derivatives

86. One of the following is a selective beta 2 stimulant
A) Caffeine
B) salbutamol
C) propranolol
D) betahistine

87. Sulphaguanidine is used as an
A) Antidiarrhoeal
B) Antimalarial
C) antitussive
D) Anti coagulant

88. The maximum volume that can be injected by intracutaneous route is
A) 0.2 ml
B) 0.1 ml
C) 1 ml
D) 0.01 ml

89. Drug combination Warfarin and Vitamin K results in a specific interactions. Identify
A) antagonistic
B) increased Sedation
C) no known interactions
D) harmful only in the presence of oxidizing agent

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90. Angioedema is the adverse drug reaction affecting the
A) skin
B) pancreas
C) liver
D) GIT

91. Prostate gland secretes their secretion in
A) urinary bladder
B) urethra
C) testis
D) seminal vesicle

92. Teratogenic malformation is
A) Photophobia
B) phocomelia
C) phagocytosis
D) None

93. Fluoroquinolones are excellent agents for
A) UTI infections
B) malaria
C) Amoebiasis
D) Typhoid

94. Antibiotic which interact with calcium ion is
A) Erythromycin
B) tetracycline
C) streptomycin
D) Ampicillin

95. Gentamycin is commonly used in combination with
A) Ampicillin
B) oxacillin
C) carbenicillin
D) None of these

96. Most serious side effect of spironolactone is
A) hyperkalemia
B) hypokalemia
C) hypernatremia
D) hyponatremia

97. Antifungal antibiotic used orally
A) Griseofulvin
B) Kanamycin
C) chlortetracycline
D) All of the above

98. Amiodarone has basic nucleus
A) Benzothiazole
B) Benzophenone
C) Benzofuran
D) Benzopyrrole

99. Acidic amino acid is
A) Lysine
B) Arginine
C) Histidine
D) Glutamic acid

100. The drug of choice for treatment of typhoid fever is
A) Erythromycin
B) amoxicillin
C) chloramphenicol
D) Nafcillin

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PHARMACIST TEST PAPER - 15

1. **Long term use of thiazide diuretics in hypertension can produce all of the following except**
   A) hyperkalemia
   B) hyperuricemia
   C) hyperlipidemia
   D) hyperglycemia

2. **Which of the following drugs is used as a neuromuscular blocking agent?**
   A) Methocarbamol
   B) Succinylcholine
   C) Tizanidine
   D) baclofen

3. **Methotrexate is**
   A) competitively inhibits dehydrofolate synthase (DHFS)
   B) competitively inhibits dehydrofolate reductase(DHFR)
   C) competitively inhibits thymidylate reductase (THR)
   D) competitively inhibits thymidylate synthase (THS)

4. **An analgesic containing para amino phenol group is**
   A) Paracetamol
   B) Ibuprofen
   C) Aspirin
   D) Indomethacin

5. **Fatigue, weight loss, chronic cough, night sweats, chest pain are clinical symptoms of**
   A) Angina pectoris
   B) Tuberculosis
   C) Hypertension
   D) Diabetes mellitus

6. **All of the following drugs are administered orally except**
   A) ciprofloxacin
   B) Clotrimaxazole
   C) Gentamycin
   D) Amoxicillin

7. **An antibiotic possessing the beta lactam ring is**
   A) penicillin
   B) Erythromycin
   C) streptomycin
   D) chloramphenicol

8. **Captopril exerts action by**
   A) inhibiting the rennin release
   B) inhibiting conversion of angiotensin I to II
   C) inhibiting conversion of angiotencin II to I
   D) inhibiting conversion of angiotensinogen to angiotensin I

9. **Mechanism of action of Ondensetron is**
   A) muscarinic receptor antagonist
   B) Histamine H2 receptor antagonist
   C) Histamine H1 receptor antagonist
   D) 5HT3 receptor antagonist

10. **Neomycin is obtained from**
    A) E. Coli
    B) B. Subtilis
    C) S. Aeruginosa
    D) S. Fradiae

11. **All are dopaminergic agonist used in parkinsonism except**
    A) Bromocriptine
    B) Ropinirole
    C) Pramipixole
    D) selegiline

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12. The active metabolite of primidone responsible for antiepileptic activity is
A) Phenytoin
B) Gabapentin
C) Phenobarbitone
D) Diazepam

13. Antimetabolite used in cancer
A) Cisplatin
B) Cyclosporine
C) Mercaptopurine
D) Vinblastine

14. Alcoholic patient should not be given
A) Metronidazole
B) Emetine
C) Niridazole
D) All of the above

15. Luminol contains
A) Phenobarbitone
B) Secobarbitone
C) Amylobarbitone
D) All of the above

16. Which of the following tetracyclines can be used without dose adjustment in renal failure?
A) Oxytetracycline
B) Doxycycline
C) demeclocycline
D) Tetracycline

17. Pharmacodynamics involves the study of following
A) mechanism of drug action
B) biotransformation of drugs in organism
C) distribution of drug in organism
D) excretion of drug from organism

18. Amphetamine poisoning can be treated with
A) Thiamine
B) Ascorbic acid
C) Sodium bicarbonate
D) Ammonia

19. Antivirus activity of zidovudine is antagonized by
A) Thymidine
B) Ribavirin
C) Acyclovir
D) Both A and B

20. A motility stimulating drug used for treating oesophageal reflux and gastric stasis is
A) Cisapride
B) Metoclopramide
C) Ondensetron
D) Scopolamine

21. The other name for reverse transcriptase is
A) DNA dependent DNA polymerase
B) RNA dependent RNA polymerase
C) RNA dependent DNA polymerase
D) DNA dependent RNA polymerase

22. One of the following is HIV NNRT inhibitor
A) Lopinavir
B) Efavirenz
C) Zidovudine
D) Acyclovir

23. One of the following is faecal softener
A) Bisacodyl
B) Docusate sodium

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C) Ispaghula
D) cisapride

24. Agents used for reducing acidity in stomach is termed as
A) Acidifier
B) protective
C) adsorbent
D) antacid

25. Protriptyline is used mainly as an
A) antipasmodic
B) anti depressant
C) analgesic
D) antiemetic

26. Noscopine is used as
A) Anticonvulsant
B) Local anaesthetic
C) Cough suppressant
D) all of the above

27. Butoxamine is
A) selective beta 1 agonist
B) selective beta 2 agonist
C) selective beta 1 antagonist
D) selective Beta 2 antagonist

28. Fomepizole is antidote of
A) Mushroom poisoning
B) Benzodiazepine
C) Ethylene glycol poisoning
D) Organophosphate poisoning

29. Which drug is known analgesic opiate and used as a cough suppressant?
A) Dextromethorphan
B) chromoglycate
C) Pholcodine
D) Glucocorticoids

30. Which drug is used for pain control in cancer patient
A) Pethidine
B) fentanyl
C) methadone
D) remifentanyl

31. Which of the following is a catecholamine
A) thyroxine
B) melanine
C) tyramine
D) Dopamine

32. Drug used in Cancer chemotherapy induced vomiting is
A) Aprepitant
B) Dexamethasone
C) Ondensetron
D) All of the above

33. Pethidine is substitute for
A) Atropine
B) Cocaine
C) Morphine
D) None of these

34. Anti cancer taxol derivatives act by
A) free radical generation
B) inhibitions of tubulin polymerization
C) inhibitions of topoisomerase
D) enhancing tubulin polymerization

35. The cefuroxime comes under
A) 1st generation Cephalosporin
B) 2nd generation cephalosporin
C) 3rd generation cephalosporin
D) 4th generation cephalosporin

36. Antidote for curare poison is
A) Atropine
B) Neostigmine

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C) Homatropine
D) Hexamethonium

37. Drug of choice for acyclovir resistant Herpes is
A) Cidofovir
B) Gancyclovir
C) Valcyclovir
D) Foscarnet

38. cAMP acts as 2nd Messenger for the following except
A) TSH
B) insulin
C) LH
D) FSH

39. Why multi drug treatment given in TB?
A) to avoid resistance
B) to minimise side effects
C) to reduce the duration of therapy
D) to reduce cost of therapy

40. Highly vestibulotoxic drug is
A) Cisplatin
B) Streptomycin
C) Dihydrostreptomycin
D) Quinine

41. Pharmacokinetics is the study of
A) Absorption
B) Metabolism
C) Excretion
D) ADME

42. The drug of choice for obsessive compulsive disorder is
A) Sertraline
B) Amoxapine
C) Hydroxyzine
D) Alprazolam

43. The constituent of cholesterol termed as bad cholesterol is
A) HDL
B) LDL
C) VLDL
D) Triglycerides

44. Pharmacology includes the study of
A) pharmacokinetic
B) pharmacodynamics
C) toxicology
D) all of the above

45. Conversion of T4 to T3 inhibition is associated with
A) Propylthiouracil
B) Radioactive iodine
C) Lugol's iodine
D) Carbimazole

46. Acyclovir is classified as
A) anthelmintic
B) antiemetic
C) antacid
D) antiviral

47. The effect of morphine which has least tolerance is
A) analgesia
B) respiratory depression
C) constipation
D) bradycardia

48. The loading dose of the drug is based on
A) time taken for complete elimination
B) percentage of drug excreted unchanged in urine
C) percentage of drug bound to plasma protein

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D) Apparent volume of distribution and the desired drug concentration in plasma

49. Oral iron preparation used as haematinic is
A) ferrous sulphate
B) ferrous gluconate
C) ferrous fumarate
D) all of the above

50. Which of the following is an Oxytocin antagonist
A) Ritodrine
B) Atosiban
C) isoxuprine
D) Methergine

51. Bacillary dysentery is usually caused by
A) E. Coli
B) shigella
C) Pasteurella
D) All of the above

52. Parasymphathomimetic drugs causes
A) Bronchodilation
B) Mydriasis
C) Bradycardia
D) Constipation

53. **If two or more dosage forms of same drug contains same labelled quantities of the drug. They are**
A) therapeutic equivalent
B) chemical equivalent
C) clinical equivalent
D) none of these

54. Carvedilol is a
A) selective beta 1 agonist
B) selective beta 2 agonist
C) both alpha and beta agonist
D) both alpha and beta antagonist

55. Beri beri is prevented by administration of
A) Niacin
B) Vit. C
C) Thiamine
D) Riboflavin

56. Drug used to treat ringworm of the body is
A) Iodoform
B) Boric acid
C) Gentamycin
D) Tolnaftate

57. The drug of choice in prolonged febrile convulsions is
A) carbamazepine
B) Diazepam
C) phenytoin
D) Paracetamol

58. Which among the following is an example of Amine autocoids?
A) Angiotensin
B) Prostaglandin
C) Serotonin
D) Bradykinin

59. Vitamin B12 and Folic acid are used in the treatment of
A) megaloblastic anaemia
B) anaemia
C) sickle cell anaemia
D) aplastic anaemia

60. The drug of choice for status epilepticus is
A) propofol
B) Lorazepam
C) Ethosuximide
D) carbamazepine

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61. Which among the following is an inhalational general anaesthetic?
A) ketamine
B) Enflurane
C) Fentanyl
D) Diazepam

62. Which of the following is the antifungal antibiotic
A) Naftifine
B) 5-fluocytosine
C) Nystatin
D) Nafimidone

63. The bioavailability of a drug after administering as injection is
A) 90%
B) 85%
C) 75%
D) 100%

64. Withdrawal symptoms of opioids can be managed
A) Oxycodone
B) Meperidine
C) Methadone
D) Heroin

65. Which of the following is orally Active testosterone derivative having progestational activity?
A) Oxymesterone
B) Dihydrotestosterone
C) Ethisterone
D) Nomegestrol

66. Glucose is added in ORS to
A) improve taste
B) decreasing bacterial colonization of GIT
C) increase stability
D) increase absorption of sodium

67. Antileprotic action of dapsone is due to
A) inhibition of folate synthesis
B) calcium channel blocker
C) phagocytosis
D) DNA synthesis

68. Which Anti Malarial drug is not a blood schizonticidal drug?
A) Halofanthrine
B) Mefloquine
C) Primaquine
D) chloroquine

69. Dipyridamole is used primary for prophylaxis of
A) Angina pectoris
B) atherosclerosis
C) myocardial infarction
D) none of these

70. Mechanism of action of ketoconazole is
A) inhibits ergosterol synthesis
B) inhibits DNA gyrase
C) inhibits dihydropteroate synthetase
D) induces translation misreadings

71. Which of the following is a mammalian antidiuretic hormone?
A) 8- valine vasopressin
B) 8- arginine vasopressin
C) 8- Glycine vasopressin
D) 8- lysine vasopressin

72. Which of the following anti-hypertensive drugs produces its effect by blocking Alpha 1 adrenergic receptors?
A) Minoxidil
B) methyldopa
C) terazocin

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D) Labetalol

73. Neuroleptic drug cause
A) Anticholinergic effect
B) orthostatic hypotension
C) Antiemetic effects
D) all of the above

74. Folate deficiency is caused by
A) Methotrexate
B) Cyclophosphamide
C) Busulphan
D) Etoposide

75. MAO of Fluorouracil is_____
A) inhibition of spindle formation
B) inhibition of thymidylate synthesis
C) Alkylating DNA
D) inhibiting ATP formation

76. Tricyclic Antidepressants used in severe depression is
A) Doxepin
B) Emetine
C) Diazepam
D) All of the above

77. The anti hypertensive agent also used for hair Regrowth is
A) nitroglycerine
B) nitroprusside
C) minoxidil
D) Verapamil

78. Gingival hyperplasia is related to
A) Ethosuximide
B) Gabapentin
C) Phenytoin
D) Valproic acid

79. Which among the following antipsychotic drugs has phenothiazine with aliphatic side chain?
A) Thiothixene
B) Haloperidol
C) Thioridazine
D) Chlorpromazine

80. Which among the following facilitate iron absorption?
A) phosphate
B) bicarbonates
C) ascorbic acid
D) tetracycline

81. Frequent cause of intoxication of digitalis is by administration of
A) Phenytoin
B) hydrochlorothiazide
C) neomycin
D) All of the above

82. Bioavailability increases when drugs are in
A) non ionized form
B) ionized form
C) crystalline form
D) hydrated form

83. Fibrinolytics are not used in
A) acute myocardial infarction
B) deep vein thrombosis
C) stroke
D) hypertensive crisis

84. Specific M1 receptor antagonist is
A) Atropine
B) Hyoscine
C) Ipratropium
D) Pirenzepine

85. In cephalosporins, lactum ring is fused with
A) Thiazolidine system
B) 1,3 dihydrothiazine system

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C) Thiazine system
D) dehydro thiazolidine system

86. Metoclopramide if given with paracetamol
A) increase metabolism of Paracetamol
B) decrease analgesic effect
C) decrease onset time for analgesia
D) combination is pharmacologically inactive

87. The term "Pharmacognosy" was coined by
A) Pelletier
B) stars and otto
C) Seydler
D) Hippocrates

88. Penicillin on hydrolysis with alkali gives
A) penicilloic acid
B) penaldic acid
C) penicillic acid
D) penicillamine

89. Sildenafil is used for the treatment of
A) systolic hypertension
B) unstable Angina
C) pulmonary hypertension
D) hypertension due to eclampsia

90. Sulfasalazine is used in
A) ulcerative colitis
B) osteoarthritis
C) Gouty arthritis
D) irritable bowel syndrome

91. Ligand gated ion channel is also known as
A) Metabotropic receptor
B) Ionotropic receptor
C) Kinase linked receptor
D) Nuclear receptor

92. Insulin is
A) Antihypertensive
B) Hypoglycemic
C) Antianginal
D) Antiepileptic

93. Which of the following anti malarial drug is safe during pregnancy
A) Amodiaquine
B) proguanil
C) Primaquine
D) Chloroquine

94. Vincristine acts by
A) inhibition of microtubule formation in mitotic spindle
B) suppresses denovo Biodynthesis of purines
C) inhibiting the production of THF
D) immunosuppressant

95. Verapamil exerts its effects by following mechanism
A) inhibiting the opening of fast sodium channels
B) increasing the potassium influx
C) inhibiting the entry of calcium through slow channels
D) all of the above

96. The red dye that is used as an antileprotic drug is
A) Ethionamide
B) Ethambutol
C) Pyrazinamide
D) clofazimine

97. Class III Antiarrhythmic agents are
A) sodium channel blocker
B) potassium channel blocker

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C) sodium channel opener
D) potassium channel opener

98. The drug Naloxone
A) produces morphine like activity
B) producers respiratory depression
C) induces constipation
D) precipitates symptoms in morphine addicts

99. Which among the following is a semi synthetic penicillinase sensitive oral penicillin?
A) Carbenicillin
B) oxacillin
C) Methicillin
D) Ampicillin

100. Insulin induced hypoglycemia is classified under
A) type A adverse drug reaction
B) type B adverse drug reaction
C) type C adverse drug reaction
D) type D adverse drug reaction

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1. **Melatonin is produced by**
   A) pituitary gland
   B) pineal gland
   C) lymph node
   D) parathyroid gland

2. **Parathyroid hormone control the metabolism of**
   A) iron
   B) potassium
   C) calcium
   D) copper

3. **In eukaryotes , cellular respiration takes place in**
   A) nucleus
   B) mitochondria
   C) cell membrane
   D) all of the above

4. **Which of the following combination of drugs are commonly prescribed for the treatment of Parkinson's disease?**
   A) dopamine and levodopa
   B) dopamine and carbidopa
   C) Levodopa and Lamotrigine
   D) levodopa and carbidopa

5. **One of the following hormone is not secreted by the adenohypophysis**
   A) growth hormone
   B) prolactin
   C) Oxytocin
   D) FSH

6. **The flavenoid present in pterocarpus is**
   A) epicatechin
   B) Malvidin
   C) Luteolin
   D) Naringenin

7. **The active metabolite of Imipramine is**
   A) Nortriptyline
   B) Amitriptyline
   C) Desipramine
   D) Alloxanthin

8. **Identify the drug which act by inhibiting mycolic acid synthesis**
   A) Isoniazid
   B) Norfloxacin
   C) Lincomycin
   D) Ethambutol

9. **Which among the following is also known as a natural detergent?**
   A) Flavone glycoside
   B) Phenol glycoside
   C) cyanogenetic glycoside
   D) Saponin glycoside

10. **Which among the following is an Acridine containing reversible anticholinesterase?**
    A) Parathion
    B) Tacrine
    C) Endrophonium
    D) pyridostigmine

11. **Identify the test for cardiac glycosides**
    A) Kedde's test
    B) Raymond's test
    C) Baljet test
    D) All of the above

12. **Growth hormone is secreted by**
    A) anterior pituitary
    B) thyroid gland
    C) parathyroid gland
    D) posterior pituitary

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13. Anxiolytics are used to treat
A) Neurosis
B) psychosis
C) Narcolepsy
D) bipolar disorders

14. Antibiotics that inhibit cell walls synthesis except
A) cefuroxime
B) Erythromycin
C) vancomycin
D) benzyl penicillin

15. The reciprocal of coefficient of viscosity is called
A) fluidity
B) surface tension
C) parachor
D) Reciprocity

16. Ravandchini is common name for
A) Aloe
B) Rhubarb
C) Cascara
D) Cinnamon

17. In Alzheimer's disease which peptide level is elevated
A) Alpha haemoglobin
B) alpha aminoadipate
C) bata amyloid
D) beta alanine

18. Following are the adulterants of digitalis leaves except
A) Thevetia narifolia
B) primula vulgaris
C) verbuscum thapus
D) symphytum officinale

19. A synthetic disaccharide containing galactose and Fructose is
A) lactase
B) lactulose
C) lactose
D) lactate

20. The anti microbial activity of penicillin is due to
A) Thiazolidine ring
B) Beta lactam ring
C) 6 - APA
D) None

21. Identify the source of the saigon cinnamon
A) Cinnamonum loureirii
B) cinnamonum burmannii
C) Cinnamonum zeylanicum
D) cinnamonum verum

22. The antibiotic that is Highly Effective in treating the bubonic plague is
A) penicillin
B) Erythromycin
C) Tetracycline
D) Chloramphenicol

23. Citric acid is used in limit test for iron
A) to prevent the precipitation of iron
B) to reduce ferric iron to ferrous iron
C) to develop purple colour
D) to make the medium alkaline

24. The specific muscarinic receptor responsible for the constriction of pupil is
A) M2
B) M4
C) M3
D) M5

25. Clavulanic Acid is

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A) potent inhibitor of cell wall transpeptidase
B) inactivate bacterial beta lactamase
C) specific for Gram Negative organisms
D) none of the above

26. Which one of these Leukocytes is present in a major concentration
A) Eosinophils
B) lymphocytes
C) Neutrophils
D) Basophils

27. Identify the Anti HIV drug which is a entry Inhibitor
A) Indinavir
B) Ropinavir
C) Maraviroc
D) Zidovudine

28. Which one of these type of stomata is present in belladonna leaves?
A) Anisocytic
B) Anomocytic
C) cruciferous
D) All of the above

29. Identify the number of isoprene units in sesquiterpenes
A) 2
B) 3
C) 4
D) 1

30. Sabin is _____ type of vaccine
A) live
B) subunit
C) killed
D) All

31. Foxglove leaves is a synonym for
A) Digitalis
B) senna
C) hyoscyamus
D) Belladonna

32. Which of the following is a Nona peptide hormone produced by posterior pituitary gland?
A) Vasopressin
B) prolactin
C) Aldosterone
D) thyroxine

33. Sultamicillin is a _____ prodrug
A) Macromolecular
B) Bioprecursor
C) Mutual
D) Carried linked

34. The ganglionic blocking drug act by
A) preventing nerve conduction in post ganglionic segment
B) preventing release of acetylcholine
C) competing with acetylcholine at neuromuscular Junction
D) preventing catecholamine release

35. The term "Non proprietary" is used for
A) patent name
B) generic name
C) trademark name
D) brand name

36. Which is a penicillinase resistant antibiotic?
A) Benzylpenicillin
B) Methicillin
C) Ampicillin
D) Phenoxymethyl penicillin

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37. An example of sulphonylurea
A) Metformin
B) Tolbutamide
C) Rosiglitazone
D) Repaglinide

38. Which among the following drugs shows clinically important drug interactions due to narrow safety margin?
A) Phenytoin
B) Tolbutamide
C) Digoxin
D) Theophylline

39. Which among the following is an example of a succulent fruit?
A) senna
B) Nux vomica
C) strophanthus
D) aconite

40. Peripheral neuritis of INH therapy in tuberculosis can be prevented by giving
A) Vitamin B1 with INH
B) vitamin B2 with INH
C) Vitamin B6 with INH
D) vitamin B12 with INH

41. Compounds that are not superimposable Mirror image are known as
A) Enatiomers
B) Diasteriomers
C) Metamers
D) All

42. The methods for dose adjustment are based on an accurate estimation of the _____ in impaired renal patients
A) clearance
B) volume of distribution
C) area under curve
D) bioavailability

43. Identify the most active Erythromycin
A) Erythromycin A
B) Erythromycin B
C) Erythromycin C
D) Erythromycin D

44. One of the following is a precursor for the synthesis of fatty acids
A) Lypoyl CoA
B) Acyl CoA
C) Palmitoyl CoA
D) Acetyl CoA

45. Which of the following is an aryl acetic acid NSAID?
A) ketorolac
B) pyroxicam
C) Diclofenac
D) Ibuprofen

46. Disease is caused by bordetella pertussis
A) whooping cough
B) Diphtheria
C) chicken pox
D) Tuberculosis

47. Aloe belongs to family
A) Liliaceae
B) Rubiaceae
C) Apocynaceae
D) Rutaceae

48. Non-competitive enzyme inhibitor is
A) Allopurinol
B) carbidopa
C) physostigmine
D) Acetazolamide

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49. The substance binding to one receptor subtype as an agonist and to another as an antagonist is called
A) competitive antagonist
B) Irreversible antagonist
C) agonist antagonist
D) partial agonist

50. Which antibody is found at the highest concentration in serum
A) IgG
B) IgM
C) IgE
D) IgD

51. Identify the anti cancer drug obtained from the Marine source
A) ATX - II
B) Eunicin
C) Ara-C
D) Eptatretin

52. Mode of action of mebendazole is
A) binding to 30s ribosomal subunit and inhibiting Protein synthesis
B) inhibiting anaerobic generation of ATP of parasites
C) hyperpolarization of parasites muscles by GABA agonist action
D) inhibiting microtubule synthesis

53. Which of the following effects is related to direct beta 1 receptor stimulation?
A) broncodilation
B) vasodilation
C) tachycardia
D) bradycardia

54. 5-HT produce contraction of smooth muscles and platelet aggregation via
A) 5 HT1
B) 5 HT2
C) 5 HT3
D) 5 HT4

55. Decreased parathormone secretion results in
A) tetany
B) ADH deficiency
C) Excess carbohydrate intake
D) Acromegaly

56. Anethole is present in
A) Foeniculam vulgaris
B) Anethum sowa
C) Anethum graveolens
D) Carum carvi

57. The specific test done on honey for determining the presence of artificial invert sugar is
A) Fehling's test
B) Baljet test
C) Fiehe's test
D) legal's test

58. The anterior pituitary secretes
A) Oxytocin
B) ADH
C) Endorphins
D) TRH

59. Pyrethrum belongs to the family
A) Umbelliferae
B) Rosaceae
C) compositae
D) Euphorbiaceae

60. Insulin comes under the category of
A) hormone

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B) enzyme
C) vitamin
D) prostaglandin

61. The endogenous plant growth regulators gibberellic acid is referred as
A) GA9
B) GA7
C) GA3
D) GA1

62. High blood calcium level is due to
A) Glucagon
B) Calcitonin
C) Parathormone
D) Glucocorticoids

63. Aril is present in
A) Nutmeg
B) Cardamom
C) strophanthus
D) castor

64. Clove belongs to family
A) Rubiaceae
B) Compositae
C) Myrtaceae
D) Liliaceae

65. The meaning of Latin term Rx
A) Take thou
B) when necessary
C) send
D) write

66. Ashwagandha belongs to the family
A) papaveraceae
B) Solanaceae
C) Rubiaceae
D) Apiaceae

67. What does the term "Potentiation" means?
A) Cumulative ability of a drug
B) hypersensitivity to a drug
C) fast tolerance developing
D) intensive increase of drug effects due to their combination

68. Digitalis leaves are dried above $60^{o}C$, potency is lost due to
A) Decomposition
B) chemical degradation
C) Enzymatic hydrolysis
D) Volatilization

69. Which one of the following ACE inhibitors is not a prodrug?
A) Enalapril
B) Ramipril
C) Lisinoprill
D) Perindopril

70. The disorder of hypo functioning of adrenal cortex is
A) Acromegaly
B) Addison's disease
C) Goiter
D) Cushing's syndrome

71. Indicate the local anaesthetic drug which has a shorter duration of action
A) Lidocaine
B) procaine
C) Bupivacaine
D) Ropivacaine

72. The percent of volatile oil present in clove is
A) 1
B) 25
C) 10
D) 15

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73. Identify the herb used as the main source of atropine and scopolamine
A) Duboisia
B) cinchona
C) colchicine
D) Nux vomica

74. Identify the oil which contains vitamin A and Vitamin D both
A) cod liver oil
B) linseed oil
C) shark liver oil
D) sesame oil

75. Identify the propellant used in topical aerosols
A) Propane
B) Butane
C) Isobutane
D) All of the above

76. Which of the following agents is an inhibitor of aldehyde dehydrogenase?
A) Fomepizole
B) ethanol
C) Disulfiram
D) Naltrexone

77. Yam is a synonym for
A) strophanthus
B) dioscorea
C) safed musli
D) Liquorice

78. Warty trichomes are present in
A) Cinnamon
B) Punarnava
C) senna
D) vinca

79. Restlessness , anxiety, orthostatic hypotension, generalized seizures, severe tremors, vivid hallucinations and psychosis are possible symptoms of
A) tolerance
B) withdrawal
C) drug interactions between Barbiturates and diazepam
D) None of the above

80. Normal urine output in adult is
A) 500 - 800 ml/day
B) 800 - 2000 ml day
C) 2 – 3 litre/ day
D) 3 – 4 litre/day

81. Tetracycline act by inhibition of protein synthesis by binding with
A) Acetyl CoA
B) 30s ribosomal subunit
C) 50s ribosomal subunit
D) cell wall

82. Cinchona belongs to family
A) Rutaceae
B) Apocynaceae
C) Rubiaceae
D) Lauraceae

83. Quinine is a active constituent of
A) Cinnamon bark
B) Cinchona bark
C) ashoka
D) arjuna

84. Which one of these is a flower bud?
A) fennel
B) clove
C) dill
D) Ajwain

85. Dragendorff's reagent is for identifying
A) oils

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B) starch
C) Alkaloids
D) Terpenes

86. A hydrophilic medicinal agent has the following property
A) low ability to penetrate through the cell membrane lipids
B) penetrate through membrane by means of endocytosis
C) easy permeation through the blood brain barrier
D) high Reabsorption in Renal tubules

87. Pharmacognosy is also known as study of
A) drugs from animals
B) crude drugs
C) Galenicals
D) human anatomy and physiology

88. Beta-caryophyllene is present in
A) Datura
B) Tulsi
C) Hyoscyamus
D) Belladonna

89. Water soluble alkaloid present in Ergot is
A) Ergometrine
B) Ergotamine
C) Ergocryptine
D) Ergocristine

90. The taste of glycyrrhiza is
A) pungent
B) warm
C) sweet
D) acrid

91. Indian gum is obtained from
A) Astragalus gummifer
B) Acacia arabica
C) Gelidium amansii
D) solanum tuberosum

92. The drug used as an oral anticoagulant
A) Heparin
B) dalteparin
C) Dicumarol
D) Enoxaparin

93. Chloroquine is a
A) 4-amino quinoline
B) Acridine
C) Biguanides
D) Pyrimidine

94. The adrenaline and nor adrenaline are secreted by
A) pituitary gland
B) pineal gland
C) adrenal cortex
D) adrenal medulla

95. The insecticidal drug is
A) Kalmegh
B) pyrethrum
C) Ashwagandha
D) Ashoka

96. Fennel contents sweet principle called
A) Fenchone
B) Anethole
C) Limonene
D) None of the above

97. Melanocyte stimulating hormone is secreted by
A) Anterior lobe of pituitary
B) Intermediate lobe of pituitary
C) Adrenal cortex
D) Posterior lobe of pituitary

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98. According to their origin, flax, jute and cotton is which type of fibre?

A) animal or protein
B) vegetable or cellulose
C) regenerated and synthetic
D) Mineral

99. All of the following statements regarding vasodilators are true except

A) Hydralazine cause tachycardia
B) Nifedipine is a dopamine receptor antagonist
C) nitroprusside dilate both arterioles and veins
D) minoxidil can cause hypertrichosis

100. Which of the following is not a rapid acting insulin

A) insulin lispro
B) insulin aspart
C) insulin glulisine
D) insulin glargine

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PHARMACIST TEST PAPER - 17

1. **Pungency of chillies is due to presence of**
   A) Capsaicin
   B) Capsanthin
   C) Carotene
   D) pungent protein

2. **Which one of these drugs is used in inflammation?**
   A) Asafoetida
   B) turmeric
   C) Jalap
   D) All of the above

3. **Calcitriol is**
   A) 1,25- dihydroxy cholecalciferol
   B) 1- hydroxy cholecalciferol
   C) 25,26- dihydroxy cholecalciferol
   D) 25- hydroxy Cholecalciferol

4. **Mel is**
   A) castor oil
   B) linseed oil
   C) honey
   D) shark liver oil

5. **Which one of these is volatile oil?**
   A) turpentine oil
   B) sesame oil
   C) castor oil
   D) mustard oil

6. **Specific Benzodiazepine antagonist used for the treatment of diazepam overdosing**
   A) Flumazenil
   B) Meprobamate
   C) Hydroxyzine
   D) Buspirone

7. **Drugs undergoing first pass metabolism are advised not to be administered through**
   A) oral route
   B) rectal route
   C) intraperitoneal route
   D) subcutaneous route

8. **Volatile oil of coriander contains about 90% of**
   A) D-linalool
   B) L-borneol
   C) Geraniol
   D) pinene

9. **Which is a potassium sparing diuretic?**
   A) Mannitol
   B) Acetazolamide
   C) Triameterene
   D) Chlorthalidone

10. **Which of the following Alkaloids has hypotensive activity?**
    A) Reserpine
    B) Quinine
    C) Emetine
    D) papaverine

11. **Wagner's reagent contains**
    A) Iodine + KI water
    B) KI + bismuth iodide
    C) iodine
    D) Mercuric chloride + KI in water

12. **Sorbitan Esters used as non ionic surfactants are**
    A) tweens
    B) spans
    C) polywax
    D) polymerase

13. **Asafoetida is**
    A) acid resin

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B) oleo gum resin
C) balsam
D) glyco resin

14. Higher the HLB value of surfactant,more it is
A) hydrophilic
B) lipophilic
C) amphoteric
D) all of the above

15. The ethereal extract of Arjuna bark gives_____ colour fluorescence
A) pink
B) blue
C) green
D) Ref

16. Which of the alkaloids are liquid and volatile in nature?
A) nicotine and coniine
B) morphine and papaverine
C) atropine and quinine
D) all of the above

17. Which among the following drug contain cardiac glycoside
A) Quassia
B) senna
C) aloe
D) Digitalis

18. The drugs and cosmetic Act was passed in
A) 1940
B) 1945
C) 1956
D) 1947

19. Example of ultra short acting barbiturate
A) Enflurane
B) Ketamine
C) Thiopental sodium
D) Propofol

20. Agar is used as
A) emetic
B) Emollient
C) Emulsifying agent
D) All of the above

21. An example of plant fibre
A) glass
B) nylon
C) jute
D) silk

22. Abetic acid is a constituent of
A) Colophony
B) Benzoins
C) Asafoetida
D) Aloe

23. Non electrolyte is
A) sodium chloride
B) calcium chloride
C) potassium chloride
D) Dextrose

24. A synthetic sweetening agent which is approximately 200 times sweeter than sucrose and has no after taste is
A) Saccharine
B) Aspartame
C) cyclamate
D) sorbitol

25. Castor oil produces laxative action due to its hydrolytic product named as
A) Tannic acid
B) alginic acid
C) Ricinoleic acid
D) Glycyrrhetinic acid

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26. P - dimethyl aminobenzaldehyde is a chemical composition of
A) Van urk's reagent
B) Mayer's reagent
C) Hager's reagent
D) Wagner's reagent

27. Wheat is derived from
A) zea mays
B) oryza sativa
C) Triticum sativum
D) solanum tuberosum

28. Patent copyright Trademark comes under
A) current assets
B) tangible assets
C) intangible assets
D) miscellaneous assets

29. Salbutamol is a
A) Alpha 1 agonist
B) beta 1 agonist
C) beta 2 agonist
D) alpha 2 antagonist

30. Balsam of tolu is belongs to family
A) Berberidaceae
B) styraceae
C) Leguminoceae
D) Burseraceae

31. Adrenaline is used with the administration of a local anaesthetic agent to
A) inhibit salivation and secretions of respiratory tract
B) prolong the duration of action
C) prevent myosis
D) cause skeletal muscle relaxation

32. Following is not used as a measure of flow property of powder
A) compressibility index
B) hausner's ratio
C) angle of repose
D) bulk density

33. Lanolin is used in the preparation of
A) tablets
B) capsules
C) injections
D) ointments

34. Which of the following used in the treatment of rheumatoid arthritis is not a biological response modifier?
A) Anakinara
B) Lefluonamide
C) Etanercept
D) Infliximab

35. Desensitizer used in tooth preparation is
A) strontium chloride
B) dicalcium phosphate
C) Stannous fluoride
D) sodium fluoride

36. Papain is
A) protein
B) carbohydrate
C) proteolytic enzyme
D) hormone

37. Renal clearance depends on
A) glomerular filtration rate
B) tubular reabsorption
C) tubular secretion
D) all of the above

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38. Charas is crude resin obtained from
A) opium
B) Cannabis
C) Aloe
D) none of these

39. Sodium fluoride is used to prevent
A) Dandruff
B) skin problems
C) ulcers
D) Dental caries

40. 1 tablespoonful is approximately equivalent to
A) 40 ml
B) 30 ml
C) 10 ml
D) 15 ml

41. Aloe is used as
A) cardiac tonic
B) hypnotic
C) sedative
D) purgative

42. Isabgol seeds are adulterated with
A) plantago aristata
B) plantago lanceolata
C) plantago purshii
D) plantago psyllium

43. Systemic antacid is
A) aluminium Hydroxide gel
B) Magnesium Sulphate
C) Sodium Bicarbonate
D) magnesium Hydroxide gel

44. Which among the following test is not used to determine the type of emulsion?
A) flocculation test
B) fluorescence test
C) dilution test
D) Dye test

45. Animal fibre is
A) Hemp
B) flax
C) jute
D) silk

46. Which one is not an opioid receptor?
A) Gamma
B) kappa
C) Mu
D) Delta

47. Balsam of tolu is used as
A) stimulant
B) expectorant
C) cardiac tonic
D) astringent

48. Astringents are compounds that
A) prevent contact of skin without surroundings
B) sooth and soften skin
C) precipitate proteins
D) dissolve intercellular substance

49. The flowers of atropa belladona are _____ colour
A) Red
B) green
C) purple
D) yellow

50. Thalleoquin test is used to identify
A) Cinchona
B) Strychnine
C) Datura
D) Rhubarb

51. Gumghatti is classified as a
A) glycosides

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B) tannins
C) volatile oils
D) carbohydrates

52. Cold place as per IP.
A) 2 – 8^{o}C
B) 8 – 25^{o}C
C) 0^{o} C
D) 12^{o}C

53. Asafoetida is
A) alkaloid
B) oil
C) resin
D) tannin

54. One teaspoonful equal to
A) 30 ml
B) 20 ml
C) 10 ml
D) 5 ml

55. Pectin is used in
A) asthama
B) Diarrhoea
C) hypertension
D) cancer

56. The flow measurements of particles are evaluated by
A) angle of repose
B) dissolution rate
C) hardness
D) disintegration

57. Which one of the following is a beta lactamase inhibitor?
A) Sulfonamide
B) primaquine
C) chloroquine
D) sulbactam

58. Which of the following commonly available large volume Dextrose solutions for intravenous use is isotonic?
A) 5% w/v
B) 10% w/v
C) 25 % w/v
D) 20% w/v

59. Which one of the following is a beta lactamase inhibitor?
A) Penicilanic acid
B) Embonic acid
C) cephalosporanic acid
D) Clavulanic acid

60. Tannins do not respond to
A) Goldbeater's skin test
B) phenazone test
C) Match stick test
D) Borntrager's test

61. What is the normal cardiac output?
A) 1 litre/minute
B) 2 litres/ minute
C) 3 litres/minute
D) 5 litres/ minute

62. Nutmeg drug is obtained from
A) Male plants
B) female plant
C) both male and female plants
D) hermaphrodite plans

63. All the glands in the body are controlled by
A) pancreas
B) pituitary
C) adrenal
D) thyroid

64. An example of synthetic fibre
A) Glass
B) silk
C) Hemp

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D) Terylene

65. Socotriene Aloe are cultivated from which species
A) aloe spicata
B) aloe ferox
C) aloe perryi
D) aloe barbadensis

66. Melanin is derived from which of the following amino acids?
A) histidine
B) tyrosine
C) valine
D) Tryptophan

67. Neural tube defects may occur by which one of the following anti-seizure drugs?
A) Ethosuximide
B) Vigabatrin
C) Valproic acid
D) Primidone

68. Vincristine is used in the treatment of
A) gout
B) asthma
C) leukaemia
D) epilepsy

69. The toxic material used for the adulteration of asafoetida is
A) manganese dioxide
B) silver grains
C) lead
D) limestone

70. Identify the industrial filter
A) filter press
B) Rotary filter
C) Edge filter
D) all of the above

71. Which of the following is not an organized crude drug?
A) Fennel
B) senna
C) Acacia
D) Ipecac

72. Chemical used for disinfection of water is
A) bleaching powder
B) chlorine tablets
C) KMNO4
D) all of the above

73. Which is a largest size of capsule?
A) 0
B) 000
C) 5
D) 3

74. The most widely used gaseous sterilizing agent in pharmacy is
A) cyclopropane
B) ethylene oxide
C) nitrous oxide
D) all of the above

75. Calamine is
A) zinc oxide with traces of ferric oxide
B) zinc oxide
C) zinc oxide with traces of Titanium dioxide
D) zinc carbonate

76. Neem is used as
A) antiseptic
B) diuretic
C) purgative
D) astringent

77. Rhabdomyolysis is the side effect associated with which of the following classes of drugs?

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A) ACE inhibitors
B) Statins
C) Calcium channel blockers
D) sodium channel blockers

78. Which among the following test is used to identify bile salts?
A) Benedict's test
B) Hay's test
C) Ehrlich test
D) Rothera test

79. Cyamopsis tetragonolbus is a source of
A) karaya gum
B) Guar gum
C) Algin
D) Agar

80. The cyanophoric glycoside present in linseed is
A) Linamerin
B) senegin
C) Vanillin
D) Sinigrin

81. Cotton is used as
A) filtering medium
B) suspending agent
C) emollient
D) all of the above

82. Wagner's test is used to detect
A) Alkaloid
B) tannins
C) Glycosides
D) mucilage

83. Example of physical incompatibility
A) alkali + acid
B) Alkaloid + acid
C) magnesium Hydroxide + acid
D) castor oil + water

84. Membrane filter is made up of
A) cellulose
B) PEG
C) cellulose nitrate
D) PVP

85. Gardenal and luminal are brand names of
A) Butobarbitone
B) Phenobarbitone
C) Cyclobarbitone
D) All of the above

86. The symbol for gallon is
A) O
B) G
C) M
D) C

87. The solvent usually used in throat Paints is
A) alcohol
B) syrup
C) glycerine
D) castor oil

88. Colour of digitalis leaves is
A) dark green
B) dark purple green
C) dark reddish green
D) dark greyish Green

89. The particle size of colloidal dispersion is
A) less than 1 nm
B) 1nm to 0.5 micrometer
C) greater than 0.5 micrometer
D) None

90. The drug which is an inhibitor of intestinal Alpha- glucosidase is
A) Metformin
B) Meglitinides

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C) Miglitol
D) Gliclazide

91. The colour change interval of Phenolphthalein is in the pH range of
A) 4.6. – 7.0
B) 9.3 – 10.5
C) 8.3 – 10.0
D) 5.2 – 7.0

92. The conversion of Beta carotene to Vitamin A is carried out in the
A) liver
B) pancreas
C) spleen
D) thymus

93. Indian saffron is
A) Ginger
B) turmeric
C) epecac
D) Rhubarb

94. Schedule C is related to
A) list of biological and immunological product
B) list of homeopathic products
C) list of allopathic products
D) list of ayurvedic products

95. Identify the Ketone bodies
A) acetone
B) acetoacetate
C) beta hydroxybutyrate
D) all of the above

96. Which of the following does not contain steroidal alkaloids?
A) Ashwagandha
B) Ephedra
C) kurchi
D) veratrum

97. HLB value of wetting agents
A) 16 - 18
B) 1 - 3
C) 7 - 9
D) 13 - 16

98. Cresol with soap solution is also known as
A) Dakin's solution
B) Lugol's solution
C) Lysol
D) Cresol solution

99. Curcuma longa (Turmeric) belongs to family
A) myrtaceae
B) meliaceae
C) Leguminoceae
D) Zingiberaceae

100. Which one of these contains saponins?
A) Senna
B) Glycyrrhiza
C) Aloe
D) Cascara

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PHARMACIST TEST PAPER - 18

1. **First order half life is equal to**
   A) 1/k
   B) k
   C) 0.693/k
   D) 2k + 1

2. **Strong base is**
   A) NH4OH
   B) C6H5OH
   C) H2SO4
   D) NaOH

3. **The 12th cranial nerve associated with the movement of tongue is**
   A) facial nerve
   B) hypoglossal nerve
   C) mandibular nerve
   D) glossopharyngeal nerve

4. **The respiratory drugs having the mechanism of action associated with raising the threshold of cough Centre are termed as**
   A) Antitussives
   B) expectorants
   C) demulcents
   D) mucolytes

5. **Primaquine is a**
   A) 2 - Aminoquinoline
   B) 4 - Aminoquinoline
   C) 8 - Aminoquinoline
   D) 9 – Aminoquinoline

6. **Phenytoin is a derivative of**
   A) Hydantoin
   B) Oxazole
   C) isoxazole
   D) Tetrazole

7. **The use of Celutab in tablet manufacture is**
   A) Diluent
   B) Adsorbent
   C) Disintegrating agent
   D) Binding agent

8. **Select the synonym of aconite root**
   A) vachnagh
   B) Monkshood
   C) Both
   D) None

9. **Freeze drying works on the principle of**
   A) evaporation of water
   B) sublimation of water from ice phase to gas phase
   C) liquification of ice to water
   D) heating at the freezing temperature of water

10. **Fractional distillation is used for separating**
    A) immiscible liquids
    B) miscible liquids
    C) volatile oils
    D) Pyrogens

11. **Example of schedule G drug**
    A) Metformin
    B) Enalapril
    C) Cefuroxime
    D) Barbital

12. **The concept of designating acid as electron pair acceptor is known as**
    A) Arrhenius concept
    B) Usanovich concept
    C) Bronsted concept
    D) Lewis concept

13. **Xanthoproteic test is positive for**
    A) sulphur containing amino acids

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B) Indole ring containing amino acids
C) aromatic amino acids
D) Alpha amino acids

14. Citrus aurantium is the botanical name for
A) Orange peel
B) lemon peel
C) Tulsi
D) pyrethrum

15. Antimony potassium tartarate is also known as
A) tartar emetic
B) Epsom salt
C) cathartic potash
D) dakins salt

16. Semi essential amino acid is
A) Valine
B) serine
C) Aspargine
D) Histidine

17. B-caryophylline is present in
A) datura
B) cardamom
C) cinnamon
D) tulsi

18. Acid fast stain was discovered by
A) Pauling
B) Ehrlich
C) Hewitt
D) Schultz

19. Radioisotope P-32 used for the treatment of
A) hyperthyroidism
B) carcinoma of bone
C) thyroid cancer
D) polycythemia vera

20. Ciprofloxacin increases the toxicity of theophylline by
A) inhibiting metabolism
B) decreasing excretion
C) promote absorption
D) all of the above

21. Benzocaine is
A) methyl P-aminobenzoate
B) Ethyl P-aminobenzoate
C) Ethyl P-chlorobenzoate
D) none

22. A chelating agent used in the case of poisoning is
A) sodium phosphate
B) Dimercaprol
C) ferroin
D) Bismuth subnitrate

23. Which among the following is a first generation cephalosporin?
A) cefuroxime
B) cefepime
C) cefixime
D) cephalaxin

24. Sieve number indicates
A) number of meshes including in the length of 2.54 cm
B) number of sieves included in the length of 2.54 cm
C) both
D) None

25. A person who is interested to start a retail drug store must be
A) pharmacy technician
B) registered pharmacist
C) chemist
D) druggist

26. QSAR stands for

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A) qualitative structure activity relationship
B) quantitative structure action relationship
C) quantitative structure activity relationship
D) qualitative structure activity relativity

27. Allergic reactions are mediated by
A) IgE
B) IgG
C) IgA
D) IgM

28. Which drug contains quinazoline alkaloid?
A) Lobelia
B) vasaka
C) coffee
D) Datura

29. Homatropine is a
A) tropine ester of amino acetic acid
B) tropine ester of mandelic acid
C) Tropine methyl bromide ester of mandelic acid
D) Tropine ester of amino formic acid

30. Chemically phenytoin is
A) 5,5- diphenyl hydantoin
B) 3,5- diphenyl hydantoin
C) 4,2 - diphenyl hydantoin
D) 2,4- diphenyl hydantoin

31. Which among the following is used as a filtering aid?
A) calcium carbonate
B) hydroxy methyl cellulose
C) methyl cellulose
D) kaolin

32. Which among the following drug induced hepatic microsomal enzymes?
A) Isoniazid
B) Erythromycin
C) cimetidine
D) Rifampin

33. Pepsin is secreted by
A) stomach
B) heart
C) spleen
D) pancreas

34. The last part of small intestine is called as
A) Duodenum
B) Illium
C) Jejunum
D) Appendix

35. In dental products, the presence of_____ ions acts as a protoplasmic poison for the tooth decaying bacteria
A) chloride
B) fluoride
C) iodide
D) bromide

36. How many pints make one gallon
A) 2
B) 8
C) 10
D) 12

37. The component responsible for red colour in capsicum is
A) capsaicin
B) Capsanthin
C) protein
D) Ascorbic acid

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38. Powder formulations that become pasty while mixing with another ingredients are called
A) Effervescent powders
B) efflorescent powders
C) Eutectic powders
D) Hygroscopic powders

39. Which preservative among the following is an example of acidic preservative?
A) chlorocresol
B) chlorbutanol
C) thiomersal
D) benzyl alcohol

40. Indole alkaloids are synthesized from
A) Tryptophan
B) Tyrosine
C) lysine
D) phenylalanine

41. The mixtures said to be static in behaviour are
A) neutral mixtures
B) pseudo mixtures
C) positive mixtures
D) negative mixture

42. The number of parathyroid glands in the endocrine system is
A) 4
B) 8
C) 2
D) 3

43. The list of drugs to be sold on the registered medical practitioner only are content in
A) Schedule H
B) Schedule G
C) Schedule J
D) schedule C

44. Normal inspiratory reserve volume is
A) 4000 ml
B) 2500 ml
C) 1500 ml
D) 500 ml

45. Mannitol is
A) potassium sparing diuretic
B) carbonic anhydrase inhibitor
C) loop diuretic
D) osmotic diuretic

46. Select the mill for a low melting drug
A) hammer mill
B) roller mill
C) ball mill
D) fluid energy mill

47. Which of the following is physiological antagonist?
A) Adrenaline
B) Methacholine
C) Nicotine
D) Pilicarpine

48. The strength of antacids is measured by
A) the presence of course particles
B) their swelling power
C) their acid neutralization capacity
D) their acidification power

49. A state of decrease responsiveness to the pharmacological effect of a drug resulting from prior exposure to that drug or to a related drug is called
A) drug tolerance
B) drug habituation

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C) drug addiction
D) drug dependence

50. Choose one form of business organisation which is known as one man business
A) sole trader
B) partnership firm
C) joint stock company
D) co-operative society

51. As a hexamer, insulin is coordinated with
A) calcium ions
B) magnesium ions
C) zinc ions
D) ferrous ions

52. An example of non communicable disease is
A) cancer
B) syphilis
C) typhoid
D) tuberculosis

53. Which among the following is an example of hemoprotein?
A) Hemosiderin
B) Ferritin
C) Transferrin
D) Myoglobin

54. Method for mixing potent drug powder with large volume of Diluent is
A) Tumbling
B) geometric dilution
C) swifting
D) levigation

55. One grain is equivalent to
A) 1 gram
B) 100 mg
C) 60 mg
D) 1 mg

56. Which among the following colours added to medicines is an artificial colour?
A) carotene
B) cochineal
C) caramel
D) Annatto

57. Which among the following method is used for the sterilization of surgical dressings?
A) dry heat sterilization
B) moist heat sterilzation
C) radiation sterilization
D) Gaseous sterilization

58. The length of oesophagus is
A) 50 cm
B) 25 CM
C) 65 CM
D) 80 CM

59. Most of the local anaesthetics are
A) esters of p-amino benzoic acid
B) amides of naphtholic acid
C) Esters of propionic acid
D) Allantoin derivatives

60. Plastic syringes are sterilized by
A) ionizing radiation
B) by hot air oven
C) by U.V. light
D) all of the above

61. Which drug interaction in the following is an example of a pharmacodynamic interaction?
A) warfarin - Ciprofloxacin
B) Phenytoin -cotrimoxazole
C) Tetracycline - sucralfate
D) clonidine – chlorpromazine

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62. Protozoal disease is
A) Amoebiasis
B) cholera
C) typhoid
D) plague

63. Which of the following are the polysaccharides complexes formed from sugar and uronic acid units?
A) volatile oils
B) Tannins
C) Alkaloids
D) Mucilages

64. Normal fasting value of the glucose in blood is
A) less than 50 mg/dl
B) less than 10 mg/dl
C) between 120 to 160 mg/dl
D) between 100 to 140 mg/dl

65. In radiation sterilization, the gamma rays were obtained from
A) Cobalt - 60
B) iodine - 131
C) Gold - 198
D) Selenium - 80

66. The breakdown of Carbohydrates starts with the secretions of the
A) stomach
B) salivary glands
C) pancreas
D) small intestine

67. Basic amino acid is
A) Tyrosine
B) Leucine
C) Histidine
D) Lysine

68. Which among the following preparations are sweetened hydro alcoholic liquid preparations?
A) drops
B) Elixirs
C) lotions
D) Liniments

69. The surfactant used as a wetting agent in oral suspensions is
A) sodium dioctyl sulphosuccinate
B) sodium lauryl sulphate
C) Quillaia
D) Polysorbate

70. DOP or smoke test (dioctyl phthalate test) is usually used for
A) HEPA filter integrity
B) filter validation
C) filter leak testing
D) filter compatibility testing

71. Bile salts are essential to digest
A) proteins
B) carbohydrates
C) vitamins
D) fats

72. An inherited metabolic disorder Alkaptonuria is due to the lack of enzyme
A) Phenylalanine hydroxylase
B) tyrosine hydroxylase
C) Homogentisate oxidase
D) hydroxy phenylpyruvate hydroxylase

73. Serum sodium level is
A) 3.4 - 4.5 mmol/L
B) 2.2 – 7.5 mmol/L
C) 135 – 145 mmol /L
D) 110 – 115 mmol/L

74. For Adrenaline synthesis, the precursor amino acid is

A) Alanine
B) proline
C) cysteine
D) phenylalanine

75. Serum hepatitis is
A) Hepatitis B
B) hepatitis A
C) Delta hepatitis
D) none of the above

76. The lock and key theory of enzyme action is first postulated by
A) Koshland
B) Linus carl pauling
C) paul ehrlich
D) Emil fischer

77. Method to improve patient compliance is
A) patient counselling
B) proper packaging and labelling
C) simplification of medication regimens
D) all of the above

78. DTAB has _____ Ex- officio members
A) 5
B) 8
C) 6
D) 2

79. DOTS therapy was launched in India in
A) 1999
B) 1997
C) 1995
D) 1993

80. The process of transferring debits and credits from journal to ledger accounts is called
A) balancing
B) posting
C) recording
D) totalling

81. Limit tests are performed in
A) test tube
B) measuring cylinders
C) nessler cylinder
D) beakers

82. Oxytocic activity of the Ergot is due to the presence of
A) Ergotamine
B) Ergometrine
C) Dihydroergotamine
D) Lysergic acid diethylamide

83. Which among the following B complex vitamins is a hematopoetic vitamin?
A) Folic acid
B) thiamine
C) pyridoxine
D) biotin

84. Trade between two countries is known as
A) regional trade
B) local trade
C) foreign trade
D) home trade

85. Integrity test are intended for following filters
A) Leaf filters
B) Drum filters
C) Membrane filters
D) Edge filters

86. Which among the following is a substitute of cinchona?
A) Cinchona succirubra
B) cinchona calisaya

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C) Remijia pedunculata
D) Cinchona officinalis

87. Erythroblastosis foetalis arises due to the incompatibility in the
A) Lymph
B) blood
C) synovial fluid
D) Bile

88. The type of health related to an individuals constitutional health is
A) spiritual health
B) mental health
C) Physical health
D) social health

89. Enteric coated tablets are meant for disintegration in
A) stomach
B) mouth
C) pancreas
D) small intenstine

90. Aspirin comes under schedule
A) H
B) G
C) W
D) J

91. Which of the following surfactants also possess antibacterial activity
A) glyceryl monostearate
B) Quarternary ammonium compounds
C) Sodium oleate
D) sodium Lauryl sulphate

92. Which among the following is a Trimethylxanthine?
A) Theobromine
B) theophylline
C) Amphetamine
D) Caffeine

93. Which of the following is a natural emulsifying agent obtained from the vegetable source?
A) Starch
B) Gelatin
C) Egg yolk
D) Wool fat

94. Biggest gland in the body
A) liver
B) pancreas
C) thyroid
D) pituitary

95. Tangible or intangible accounts are referred to as
A) personal accounts
B) permanent accounts
C) temporary accounts
D) real accounts

96. Route of administration of Bacitracin is
A) I.M.
B) I.V.
C) oral
D) Topical

97. Zymogen is
A) an inactivated enzyme
B) an activated enzyme
C) an intracellular enzyme
D) an extracellular enzyme

98. Siam benzoin differs from Sumatra variety due to the insufficient content of
A) benzoic acid
B) cinnamic acid
C) Coniferyl alcohol
D) coniferyl benzoate

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99. Which among the following is a non barbiturate hypnotic

A) Glutethimide
B) secobarbitone
C) phenobarbitone
D) cyclobarbitone

100. The instrument used for measuring the volume of particles is

A) Hydrometer
B) balance
C) Anderson pipette
D) Coulter counter

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PHARMACIST TEST PAPER - 19

1. **The items which consume 70% of the total budget of inventories but represents only 10 % of the total inventory are called**
   A) A items
   B) B Items
   C) C items
   D) D items

2. **The following are the types of encapsulation technique except**
   A) air suspension
   B) Pan coating
   C) spray drying congealing
   D) compression coating

3. **The pharma Industries where Pharma machineries are manufactured are known as**
   A) Ancillary industries
   B) Bulk drug industries
   C) formulation industries
   D) loan licence industries

4. **The Anterior pituitary secretes**
   A) Oxytocin
   B) ADH
   C) Endorphins
   D) TRH

5. **Heparin is**
   A) Protein
   B) Polysaccharide
   C) Lipid
   D) Amino acid

6. **Multiple shop deals in**
   A) all goods
   B) same type of goods
   C) specified same type of goods
   D) specified type of goods

7. **Chemically, Mayer's reagent is**
   A) potassium mercuric iodide
   B) potassium Bismuth iodide
   C) I2 and KI
   D) picric acid

8. **Cyanophoric glycoside present in linseed is**
   A) Linamerin
   B) senegin
   C) Vanillin
   D) sinigrin

9. **The junction between two nerves is called**
   A) synapse
   B) ganglion
   C) dendrite
   D) end plate

10. **Satellite pharmacy a mode of drug distribution system under**
    A) charge floor stock system
    B) centralised unit dose dispensing system
    C) decentralize unit dose dispensing system
    D) individual prescription systems

11. **Penicillamine is a**
    A) Humectant
    B) chelating agent
    C) Surfactant
    D) Rubefacient

12. **Cold sterilization is**
    A) sterilization under low temperature
    B) sterilization by ultrasonic vibrations
    C) sterilization in refrigerator
    D) sterilization by Gamma rays

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13. Predetermined scrap is referred to as
A) anticipated scrap
B) administrative scrap
C) legitimate scrap
D) defective scrap

14. Opium does not contain the following except
A) Meconic acid
B) calcium oxalate
C) Tannins
D) Starch

15. Mannitol is an excellent choice for chewable tablets because it has
A) positive heat of solution
B) negative heat of solution
C) zero heat of solution
D) None

16. The conference board is an organisation for compiling the index of
A) leading indicators
B) macroeconomics indicators
C) market indicators
D) aggregate indicators

17. Freely movable joints are
A) cartilaginous
B) Synovial
C) fibrous
D) all

18. Partner does not take any active part in the management of firms business is
A) active partner
B) sleeping partner
C) secret partner
D) nominal partner

19. A wholesaler acts as a link between manufacturer and ____
A) retailer
B) doctor
C) agent
D) consumer

20. Which of the following is not associated with hypokalemia?
A) hydrochlorothiazide
B) Furosemide
C) Triameterene
D) Ampoterecin B

21. The total number of vertebrae in human being is
A) 40
B) 22
C) 38
D) 33

22. The capacity of a drug to cause foetal abnormality is termed as
A) teratogenicity
B) Mutagenicity
C) pathogenicity
D) Carcinogenicity

23. Chemically Kaolin is
A) hydrated magnesium silicate
B) hydrated aluminium silicate
C) calcium carbonate
D) calcium sulphate

24. Which of the following is known as Indian Gentian?
A) Picrorrhiza kurroa
B) Gentiana lutea
C) swertia chirata
D) swertia Densifolia

25. Diphtheria is caused by
A) bacteria
B) virus

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C) both
D) none

26. Automatic stop order is used for
A) OTC drugs
B) dangerous drugs
C) Orphan drugs
D) counterleft drugs

27. During proteins synthesis the amino acid sequence is specified by
A) ribosomal RNA
B) transfer RNA
C) messenger RNA
D) soluble RNA

28. Which of the following is not an antioxidant ?
A) sodium sulphite
B) sodium bisulphite
C) sodium chloride
D) sodium metabisulphite

29. Which of the following are intenstinal infections?
A) Polio
B) cholera
C) Hepatitis
D) All of the above

30. Number of nominated member to the state Pharmacy Council are
A) 4
B) 3
C) 6
D) 5

31. The efficiency of HEPA filter can be tested using
A) Sterility test
B) clarity test
C) Dioctyl phthalate smoke test
D) Particle counter

32. Which of the following drug is not an alkaloid?
A) opium
B) Dioscorea
C) tea
D) vasaka

33. Which of the following is a bitter glycoside?
A) Gentian
B) Quassia
C) chirata
D) all of the above

34. The term bioavailability refers to the
A) relationship between the physical and chemical properties of a drug and the systemic absorption of a drug
B) measurement of the rate and extent of therapeutically active drug that reaches the systemic circulation
C) movement of drug into the body tissues over time
D) dissolution of a drug in the GIT

35. Bile salts can be identified by
A) Fouchet's test
B) Gmelin's test
C) Hay's test
D) Rothera test

36. Clofazimine is a / an _____ derivative
A) pyrazine
B) phenothiazine
C) phenazine
D) azepine

37. MOA of Fluorouracil is
A) inhibition of spindle formation

B) inhibition of thymidylate synthesis
C) Alkylating DNA
D) inhibiting ATP formation

38. Pharmacy and therapeutic committee has role except
A) ADR monitoring and reporting
B) preparation of drug list and emergency supplies
C) medical record services
D) drug utilisation review

39. The disease that is completely eradicated from India through systematised immunization programme is
A) Diphtheria
B) small pox
C) whooping cough
D) Leprosy

40. Goodwill is an example of
A) intangible assets
B) current assets
C) fixed assets
D) none of the above

41. Thyroid stimulating hormone is secreted by
A) Anterior pituitary
B) hypothalamus
C) posterior pituitary
D) pancreas

42. The chairman of drug technical advisory board is
A) the Director General Health Services
B) director Central drug laboratory Kolkata
C) president Pharmacy Council of India
D) the drug controller of India

43. Absorbable suture is
A) Nylon suture 2.0
B) silk suture braided 2%
C) Cotton
D) Catgut chronic 2.0

44. Strophanthus does not respond to
A) Legal test
B) Van-urk's reagent test
C) Keller killiani test
D) Baljet test

45. Adverse effects of cyclosporine include all of the following except
A) Tremor and seizure
B) hirsutism and gum hyperplasia
C) Nephrotoxicity
D) hypokalemia

46. The percentage change in quantity caused by a 1% change in price is known as
A) Inelasticity of demand
B) cross price elasticity
C) income elasticity of demand
D) price elasticity of demand

47. High blood calcium level is due to
A) glucagon
B) calcitonin
C) Parathormone
D) Glucocorticoids

48. Pilocarpine is an alkaloid containing
A) Pyrazole
B) pyridine
C) Imidazole
D) Pyrimidine

49. Inventories moving temporarily because of seasonal production are called

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A) Obsolete items
B) Surplus items
C) Dormant items
D) Scrap items

50. MEDLINE is a drug information resource categorised
A) primary resource
B) secondary resource
C) tertiary resource
D) primary literature

51. Adulterants of Clove include all of the following except
A) mother clove
B) brown clove
C) Clove stalks
D) clove buds

52. Theobroma oil is a type of _____ suppositories base
A) Oleaginous
B) Hydrophilic
C) Emulsifying
D) None

53. Aminophylline IP. Contains Theophylline and _____
A) Ethylenediamine
B) ethylene monoamine
C) N,N-diethyl-1,3-propyl diamine
D) Butylamine

54. The main active chemical constituent of eucalyptus is
A) Alpha-pinene
B) Phellandrene
C) Cineol
D) Citral

55. Tuberculin syringe is available in
A) 1 ml
B) 2ml
C) 4 ml
D) 5 ml

56. Durability of a tablet to combined effect of shock and abrasion is evaluated by using
A) hardness tester
B) Disintegration test apparatus
C) Friabilator
D) screw gauge

57. Structured evaluation of a patients medication for improving health outcomes is termed as
A) medication error
B) medication review
C) hospital formulary
D) Pharmacovigilance

58. Test for water holding capacity is stated in Indian Pharmacopoeia for
A) adhesive tape
B) elastic bandage
C) crepe bandage
D) absorbert cotton wool

59. Which of the following is sexually transmitted disease ?
A) AIDS
B) syphilis
C) Gonorrhoea
D) all of the above

60. Most of the clinically available anti cancer have the underlying mechanism of action that acts as
A) Cell growth inhibitor
B) stimulation of natural body defence mechanism
C) inhibition of Cancer cell nutrient absorption
D) receptor site blockade of Cancer cell secretions

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61. The protein DNA Complex in higher organisms is called
A) transferrin
B) chromatin
C) Interferon
D) Dystrophin

62. Chemically veegum is
A) magnesium silicate
B) aluminium silicate
C) magnesium aluminosilicate
D) calcium oxide

63. Specific M1 receptor antagonist is
A) atropine
B) Hyoscine
C) Ipratropium
D) Pirenzepine

64. Which form number should be used for the application to import drugs for personal use
A) Form 24C
B) Form 19
C) Form 8
D) Form 12a

65. Type B gelatin is having isoelectric point in the region
A) 2 - 3
B) 4 - 5
C) 6 - 7
D) 8 - 9

66. Following is not the mechanism of size reduction
A) impact and attrition
B) cutting
C) impact
D) Elutriation

67. Melatonin is secreted by which gland
A) pituitary
B) hypothalamus
C) thyroid
D) pineal

68. Clean room area means
A) socially clean area free from particulate matter
B) socially clean area
C) aseptic area
D) area with high standards of cleanliness and hygiene

69. Cochineal contents C - glycosides which are in the form of colouring matter
A) acetic acid
B) Benzoic acid
C) Cinnamic acid
D) Carminic acid

70. The narcotic drugs and psychotropic substances order came into force in
A) 1983
B) 1985
C) 1993
D) 1995

71. In oil in water type emulsion, creaming occurs in _____ direction
A) upward
B) downward
C) both directions
D) does not occur

72. The condition of weight loss and muscle atrophy in severe chronic illness is called
A) pyrexia
B) Rickettsia
C) Cachexia
D) Porphyria

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73. Which of the following is the semi solid preparation?
A) Gels
B) ointments
C) creams
D) all of the above

74. The 000 size of capsule can fill the volume of
A) 0.13 ml
B) 0.95 ml
C) 1.36 ml
D) 0.27 ml

75. Folate deficiency is caused by
A) Methotrexate
B) Cyclophosphamide
C) Busulphan
D) Etoposide

76. A naturally occurring sympatholytic is
A) Strychnine
B) Morphine
C) Reserpine
D) Quinine

77. Which of the following serves as one of the Laboratories for producing oral polio vaccines?
A) Central Research Institute Kasauli
B) Central Indian Pharmacopoeia laboratory Ghaziabad
C) department of biochemical engineering IIT new Delhi
D) pasture Institute of India Coonoor

78. What is the biological source of clove ?
A) Syzygium aromaticum
B) Cinnamomum aromaticum
C) Cardamom aromaticum
D) None of these

79. Picric acid is a chemical composition of
A) Van urk's reagent
B) Mayer's reagent
C) Hager's reagent
D) Wagner's reagent

80. Saturated solution left behind the process of crystallization is called
A) final solution
B) daughter liquor
C) mother liquor
D) parent liquor

81. The first Central Council was constituted by central government in
A) 1947
B) 1950
C) 1949
D) 1958

82. Non-competitive enzyme inhibitor is
A) Allopurinol
B) carbidopa
C) Physostigmine
D) Acetazolamide

83. Following are the examples of O/W emulsions except
A) Milk
B) shaving cream
C) Cold cream
D) Vanishing cream

84. The policemen of the abdomen is
A) peritoneum
B) appendix epiploica
C) Taenia coli
D) Greater omentum

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85. Triple vaccine in for the prevention of virus infections protect against
A) Mumps virus
B) Coxsackie virus
C) Measles virus
D) Rubella virus

86. Which one is used for aspiration of stomach contents
A) endotracheal tube
B) Ryle's tube
C) metal catheter
D) rubber catheter

87. Which is an example of cationic surfactant?
A) benzalkonium chloride
B) Polysorbate 80
C) sodium Lauryl sulphate
D) sorbitan monoleate

88. In the presence of HCL, pepsinogen is converted into
A) papain
B) Pepsin
C) peptide
D) Renin

89. Which drug is under the chemical class of cyanogenic glycoside?
A) bitter almond
B) black mustard
C) Digitalis
D) Rhubarb

90. Vulcanizing agent for rubber is
A) sulphur
B) Sulphur dioxide
C) zinc
D) CaCO3

91. In limit test of chloride which is compared
A) turbidity
B) Opalescence
C) fluorescence
D) colour

92. Parathyroid hormone controls the metabolism of
A) potassium
B) iron
C) copper
D) calcium

93. Most common phase II reaction is
A) Sulphate conjugation
B) Glucuronide conjugation
C) Alpha amino acid Conjugation
D) Methylation

94. BCG is _____ type of vaccine
A) Live
B) Subunit
C) Killed
D) All

95. Filling of Pellets in capsules is done by
A) Rotosort
B) Rotofil
C) Accofil
D) pelletofil

96. Which of the following act as a Mucolytic?
A) Guaphenesin
B) Noscapine
C) Ephedrine
D) Bromohexine

97. The price that equates market supply and market demand is called
A) market restoring price
B) market depreciating price
C) market clearing price

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D) market elastic price

98. Which of the following is not a respiratory infection

A) chicken pox
B) influenza
C) plague
D) measles

99. Drug inspector should intimate the purpose of taking drug samples to the person concerned in

A) form 15
B) form 17
C) form 16
D) form 21

100. All Metal syringes are sterilized by which method

A) moist heat
B) Gamma radiation
C) dry heat sterilization
D) ethylene oxide

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PHARMACIST TEST PAPER - 20

1. **Short half life of Thiopental is primarily due to**
   A) excretion of drug
   B) metabolism of drug
   C) Redistribution of drug
   D) All of the above

2. **Which one of the following is not one of the steps of homeostasis?**
   A) coagulation
   B) Vasoconstriction
   C) platelet plug formation
   D) hemophilia

3. **Which one of the following is not the component of white blood cells?**
   A) neutrophils
   B) platelets
   C) monocytes
   D) basophils

4. **Which type of hyper sensitivity reaction has cell mediated (delayed) type of action?**
   A) Type I hypersensitivity
   B) type II hypersensitivity
   C) type III hypersensitivity
   D) type IV hypersensitivity

5. **The quantity of anticoagulant solution for the preparation of whole blood is**
   A) should not be less than 22% V/V
   B) should not be more than 22% V/V
   C) should be 2.2% V/V
   D) should be less than 2.2% V/V

6. **The test used for detection of Treponemal antibodies in syphilis test is not as per following test**
   A) veneral disease research laboratory test
   B) fluorescent troponemal antibody test
   C) Reiter protein complement fixation test
   D) treponema palladium immobilization test

7. **The confirmation of AIDS is by one of the following tests**
   A) ELISA
   B) western blot
   C) PCR test
   D) Southern test

8. **The RH blood group is so named because**
   A) blood groups contain either RH +ve or RH -ve charges
   B) antigen was discovered in the blood of Rhesus monkey
   C) antibodies are having RH system
   D) antigens exist in human plasma

9. **Whole human blood IP is**
   A) blood with anticoagulant content not more than 9.7% W/V of haemoglobin
   B) the final mixture of blood and anticoagulant solution containing not less than 9.7% W/V of haemoglobin
   C) a mixture of blood without any anticoagulant
   D) a mixture containing 12.2% W/BlV of haemoglobin

10. **Which of the following drugs Inhibits the entry of viruses in the cell?**
    A) Zidovudine
    B) Lopinavir
    C) Ritonavir

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D) Enfuvirtide

11. The effect of human immunodeficiency virus(HIV) infection results in

A) affecting cell mediated immunity and severe loss of CD 4 + cells

B) Affecting cell mediated immunity and severe loss of CD 8 + cells

C) Affecting both antibody and cell-mediated immunity with increase CD 4 cells

D) Affecting both antibody and cell mediated immunity and increase CD4 and CD8 cells

12. The sequence of serological markers for hepatitis B viral infection is

A) hepatitis B antigen, hepatitis B surface antigen and HBV- DNA

B) hepatitis B antigen , HBV- DNA and hepatitis B Surface antigen

C) hepatitis B surface antigen, HBV - DNA and hepatitis B antigen

D) hepatitis B surface antigen and hepatitis B antigen

13. In patients with AIDS the most common fungal infection is

A) toxoplasmosis

B) candidiasis

C) cryptococcosis

D) Aspergillosis

14. HIV virus has a protein coat and a genetic material which is

A) double stranded RNA

B) single stranded RNA

C) double stranded DNA

D) single stranded DNA

15. Serum sickness is a immunological disease mediated due to

A) T cell mediated immune response

B) impaired production of T cells from the thymus glands

C) increased formation of antibodies at the site of infection

D) Formation of antigen antibody Complex in the circulation and its deposition

16. Ototoxicity and nephrotoxicity are the selective toxicities of

A) penicillins

B) Cephalosporins

C) Aminoglycosides

D) Quinolones

17. N- acetyl - P-benzoquinone imine , a metabolite of Paracetamol causes

A) gastric irritation

B) hepatic necrosis

C) constipation

D) peripheral neuropathy

18. The time a drug takes to reach an effective concentration or steady state level depends on its

A) plasma protein binding

B) plasma concentration in circulation

C) rate of elimination from the body

D) rate of absorption in the body

19. One of them is not a prodrug. identify

A) Benazepril

B) Captopril

C) Quinapril

D) Ramipril

20. The mechanism of action of Rosiglitazone is that it
A) activate peroxisome proliferator activated receptor
B) blocks potassium sensitive ATP channels
C) inhibits Alpha glucosidase enzyme
D) inhibit protein kinase C

21. Diazepam is a drug of choice used in the management of
A) Insomnia
B) Schizophrenia
C) Status epilepticus
D) Narcolepsy

22. An opoidal drug that lacks analgesic activity and is used to control diarrhoea is
A) Naltrixone
B) Pethidine
C) Buprenorphine
D) Loperamide

23. The mechanism of action of Doxorubicin is
A) It inhibits DNA polymerase
B) it stabilizes DNA - Topoisomerase-II
C) It interferes with regeneration of liquid carrier by blocking its phosphorylation
D) it disrupts microtubule function

24. A polyene macrolide antibiotic used against candida infections is
A) Fluconazole
B) Terbinafine
C) Nystatin
D) Rifampicin

25. Widely used antidote for treating poisoning by heavy metals is Dimercaprol. in which way does it Act
A) it neutralizes in stomach thus prevent spreading in body
B) it adsorbs heavy metals on its surface
C) it eliminates heavy metals from the body early
D) it chelates them and makes them biologically inactive

26. The ability to stimulate insulin secretion is not associated with one of the following drug.which is that drug?
A) Metformin
B) Glipizide
C) Tolbutamide
D) Nateglinide

27. The antifungal agent that inhibits squalene epoxidase is
A) Flucytosin
B) Terbinafine
C) Fluconazole
D) Amphotericin-B

28. The anti depressant which selectively inhibits reuptake of both serotonin and nor adrenaline is
A) bupropion
B) Fluoxetin
C) Venlafaxin
D) Sertraline

29. Dry heat is often used to sterilize
A) Bacterial media
B) saline solution
C) oily materials
D) hospital blankets

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30. Following is the example of class 1B Antiarrhythmic agent
A) Lidocaine
B) Flecainide
C) Amiodarone
D) Procainamide

31. Phenol coefficient of germicide/disinfectant indicates
A) efficiency of disinfectant
B) dilution of disinfectant
C) quantity of disinfectant
D) purity of disinfectant

32. _____ Is not the component of blood proteins
A) albumin
B) Proconvertin
C) globulin
D) fibrinogen

33. LAL test can detect
A) Endotoxin
B) Exotoxin
C) Enterotoxins
D) Neurotoxin

34. During the Window Period of patient with HIV infection or AIDS following test are carried out A) Elisa B) Western blot. which of the following statements is true about these test?
A) ELISA negative
B) Western blot negative
C) ELISA positive and western blot is negative
D) ELISA negative and western blot is also negative

35. A fastidious organism must be grown on
A) Synthetic medium
B) differential medium
C) general purpose medium
D) enriched medium

36. In dry powder inhalation products , Lactose is used as
A) Filler
B) thinner
C) carrier
D) none of the above

37. _____ anaemia results in destruction of red bone marrow
A) iron deficiency
B) Pernicious anaemia
C) aplastic anaemia
D) hemolytic anaemia

38. Relative sweetness of sucrose to saccharine
A) 1 : 200
B) 1 : 500
C) 1 : 100
D) 1 : 400

39. Which of the following is not a Benzodiazepine derivative but acts in the similar manner?
A) Triazolam
B) Zolpidem
C) Nitrazepam
D) Alprazolam

40. The unit in which surface tension is measured is
A) Dyne.cm
B) Dyne.cm-1
C) Dyne1.cm
D) Dyne1.cm1

41. Lignified cork is found in
A) Podophyllum
B) Rauwolfia
C) Belladonna
D) Ephedra

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42. Azo reduction of sulfasalazine in large intestine produce

A) sulfamethoxazole and 5-aminosalicylic acid
B) sulphapyridine and 2-aminosalicylic acid
C) sulfamethoxazole and salicylic acid
D) sulfapyridine and 5-aminosalicylic acid

43. Emulsifying agent that produce water in oil type of emulsion is _____

A) Polyoxyethylene sorbitan monostearate
B) Sorbitan monostearate
C) Tragacanth
D) Polysorbate 80

44. Aspirin induced asthma is due to

A) inhibition of CFTR protein
B) activation of COX
C) inhibition of COX but not LOX
D) Activation of phospholipase

45. Violin gut is obtained from the intestine of

A) horse
B) Cat
C) sheep
D) camel

46. Which is an alpha 2 adrenoreceptors agonist that relieves spasticity associated with multiple sclerosis?

A) Clonidine
B) Tizanidine
C) Dantrolene
D) Dronabinol

47. Which of the following is recently introduced drug for treatment of Tuberculosis?

A) Bedaquiline
B) linezolid
C) Terizidone
D) capreomycin

48. Type II glass containers are

A) suitable for alkaline solutions
B) most inert glasses and shows high hydrolytic resistance
C) suitable for most acidic and neutral aqueous preparations
D) suitable for non aqueous preparations

49. All the particles of course powder IP must pass through

A) 10
B) 44
C) 18
D) 22

50. In capsule making the Bloom strength of gelatin is proportional to molecular weight of the gelatin and is a measure of the

A) cohesive strength of the solvent molecules
B) cohesive strength of the cross linking that occurs between gelatin molecule
C) adhesive strength of gelatin with dipping pins
D) adhesive strength of gelatin with other polymer

51. Digitalis leaves are dried immediately after collection at $60^{o}C$ to minimise

A) Reduction
B) hydrolysis
C) Methylation

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D) oxidation

52. A mutation that produce termination codon is
A) Mis-sense mutation
B) Non-sense mutation
C) Neutral mutation
D) Reverse mutation

53. Which of the following is chemokine receptor - 5 (CCR-5) antagonist used in treatment of HIV infection?
A) Enfuvirtide
B) Atazanavir
C) Raltegravir
D) Maraviroc

54. A thick, viscous formulation consisting of aqueous suspensions of insoluble inorganic drugs is
A) lotion
B) paste
C) Elixir
D) Magma

55. _____ is orally active renin inhibitor used for essential hypertension
A) Aliskiren
B) captopril
C) Perindopril
D) Losartan

56. Vincristine shows _____ neurotoxicity compared to Vinblastine
A) more
B) less
C) No
D) similar

57. Sugar coated tablets should be disintegrated within
A) 15 minutes
B) 60 minutes
C) 30 minutes
D) 90 minutes

58. _____ is a morphine analogue with more than 1000 times potential than morphine in similar type of action
A) Buprenorphine
B) tramadol
C) Pethidine
D) Etorphine

59. Friability test apparatus is run at
A) 25 RPM
B) 10 RPM
C) 50 RPM
D) 100 RPM

60. 'Paka' is which type of Ayurvedic dosage form?
A) Solid
B) semisolid
C) liquid
D) powder

61. Which of the following is used as oral anticoagulant?
A) Desirudin
B) Dabigatran
C) Enoxaparin
D) Argatroban

62. _____ are considered as prodrug
A) cardiac glycoside
B) Anthraquinone glycosides
C) coumarins
D) saponins

63. Matchstick's test is positive with
A) Alma
B) Galls
C) catechu

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D) Myrobalan

64. _____ is used as an ingredient in preparation of Asava and arishta
A) Malkangni
B) Dhataki pushpa
C) Arduso
D) Dhamaso

65. Which of the following is short acting muscarinic receptor antagonist used in treatment of asthma?
A) Tiotropium
B) Ipratropium
C) Benztropine
D) Aclidinium

66. _____ is short acting neuromuscular blocking drugs with duration of action between 15 to 20 minutes
A) Pancuronium
B) Atracurium
C) Doxacurium
D) Rapacuronium

67. Drug used in combination for the prophylaxis and treatment of chloroquine resistant Malaria is
A) Sulfadoxine + pyrimethamine
B) sulfapyridine + pyrimethamine
C) sulfamethoxazole + pyrimethamine
D) sulphanilamide + pyrimethamine

68. Chipping refers to
A) separation of tablets into two or more layers
B) removal of upper or lower layers of tablet
C) removal of material from the edges
D) material sticks on punch surface

69. Zolendronic acid used for treatment of osteoporosis belonging to which chemical class?
A) Isoquinoline
B) oxazolidinedione
C) Benzopyran
D) Biphosphonate

70. Levocetirizine shows less CNS side effect due to presence of
A) non polar functional group
B) amphoteric group
C) aliphatic chain
D) aromatic ring

71. BCS class III drug possesses
A) high solubility high permeability
B) high solubility Low permeability
C) low solubility high permeability
D) low solubility Low permeability

72. Powder with angle of repose of 25 can be categorised as
A) excellent
B) Fair
C) Passable
D) Poor

73. Which one of the following antiepileptic drug is also used in bipolar disorder and as migraine prophylaxis?
A) Vigabatrin
B) phenytoin
C) valproate
D) Rufinamide

74. Leflunomide belongs to which class category of drug?
A) anti cancer
B) antimalarial

C) DMARD
D) NSAIDS

75. Indian ginseng is also known as
A) picrorhiza
B) chirata
C) gentian
D) withania

76. Which of the following is not Alpha glucosidase inhibitor?
A) Acarbose
B) Miglitol
C) Voglibose
D) Repaglinide

77. Valdecoxib was withdrawn from the market due to its
A) hepatotoxicity
B) cardiotoxicity
C) neurotoxicity
D) nephrotoxicity

78. 20 grains is equal to
A) 1 scruple
B) 1 drachm
C) 1 ounce
D) 1 pound

79. The three rollers in triple roller mill are arranged in which of the following manner?
A) horizontally
B) vertically
C) pyramid
D) triangular

80. Which drug is Motlin receptor agonist?
A) Amoxicillin
B) cefixime
C) Tetracycline
D) Erythromycin

81. _____ is an opioid that does not enter brain and therefore lacks analgesic activity but it is used to control diarrhoea
A) Pentazocine
B) codeine
C) Methadone
D) Loperamide

82. The major immunoglobulin present in the human serum is
A) IgG
B) IgE
C) IgA
D) IgF

83. ACE inhibitors which excreted unchanged in urine is
A) Captopril
B) fosinopril
C) Ramipril
D) Lisinopril

84. Zafirlukast is the derivative of which heteronucleus?
A) indole
B) Benzimidazole
C) Isoquinoline
D) Benzopyran A

85. Which of the following monoclonal antibodies used in the treatment of asthma?
A) Omalizumab
B) Rituximab
C) Infliximab
D) Adalimumab

86. The first edition of British Pharmacopoeia was published in which year
A) 1854
B) 1857
C) 1864

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D) 1868

87. Type B gelatin has isoelectric point

A) 2.7
B) 9.7
C) 4.7
D) 6.7

88. Virus that live as parasite on bacteria are

A) fungi
B) bacteriophage
C) commensals
D) metaphase

89. _____ a drug of choice for treatment of malignant hyperthermia

A) Halothane
B) suxamethonium
C) Dantrolene
D) Decamethonium

90. Glucose 6 phosphatase is absent in which of the following organ

A) liver
B) Kidney
C) brain
D) spleen

91. Colloidal silica is used as Glidant in concentration of

A) 0.2 %
B) 0.5 – 2%
C) 2 – 5%
D) 5 – 7%

92. What is the dose for 6 months old infant,of drug having adult dose of 300 mg?

A) 6 mg
B) 8 mg
C) 10 mg
D) 12 mg (Fried's formula) (age in months/ 150 × Adult dose)

93. Stokes law is applied for

A) determination of sedimentation velocity
B) determination of surface area
C) determination of zeta potential
D) determination of surface tension

94. Dry heating at 100^{o}C for 1 hour causes

A) sterilization
B) kills vegetative bacteria and Spores
C) kills vegetative bacteria but does not kill spores
D) does not kill vegetative bacteria or spores

95. The Powder of which all particles pass through sieve number 120 is said to be

A) moderately course powder
B) moderately fine powder
C) fine powder
D) very fine powder

96. The Novel metabolic modulator used for treatment of chronic angina is

A) Nicorandil
B) Toacinide
C) Desacetyl Diltiazem
D) Ranolazine

97. Dosage form not suitable for intramuscular administration

A) suspension
B) solution
C) emulsion
D) Liniment

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98. Which of the following is Sodium glucose co transporter 2 (SGLT-2) inhibitor?

A) Dapagliflozin
B) Sitagliptin
C) Saroglitazar
D) Liraglutide

99. Type I class is made up of

A) Borosilicate
B) sodalime
C) treated sodalime
D) calcium sulphate

100. Stereoisomer which are not Mirror image of each other are called

A) Enantiomers
B) Mesoisomer
C) Diastereomers
D) Atropisomers

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PHARMACIST TEST PAPER - 21

1. **The correct statement with respect to hard gelatin capsule is**
   A) body is longer
   B) cap is longer
   C) both are equal
   D) body is shorter and wider

2. **Formula of Rochelle's salt is**
   A) C4H4O6KNa.4H2O
   B) C2H2O6KNa.4H2O
   C) C4H2O6KNa.4H2O
   D) C2H4O6KNa.4H2O

3. **Sodium metaphosphate is used in**
   A) anticaries
   B) antacid
   C) desensitizer
   D) dentifrices

4. **All statements listed below are correct for positive mixture except**
   A) they are Irreversible
   B) they require energy
   C) they are stable in nature
   D) formed through diffusion process

5. **Filter press has following advantages except**
   A) it provides large surface area
   B) it is a continuous process
   C) filter media can be used repeatedly
   D) high filtration pressure can be used

6. **Alkaline substances obtained from the ash of crude drugs are known as in Ayurveda**
   A) pisti
   B) Bhasma
   C) Dravaka
   D) Kshara

7. **Which of the following statement is not correct for freeze dryer?**
   A) it is very fast process
   B) decomposition of product is minimised
   C) product is amorphous and readily soluble
   D) it is useful for thermolabile substances

8. **Beta-propiolactone is used as**
   A) Preservative
   B) suspending agent
   C) stabilizer
   D) sterilizing agent

9. **Test measuring the rate and extent of solution formation from a given dosage form is**
   A) disintegration test
   B) dissolution test
   C) bioavailability test
   D) content uniformity test

10. **Stage in which the tablet size is built up during the sugar coating of tablets is**
    A) slugging
    B) sealing
    C) subcoating
    D) Finishing

11. **The following drugs are avoided with Aspirin except**
    A) Phenylbutazone
    B) Indomethacin
    C) Heparin
    D) Antacids

12. **Universal antidote contains all the following except**

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A) EDTA
B) Tannic acid
C) magnesium oxide
D) powdered charcoal

13. Which among the following causes renal ischaemia an adverse drug reaction?
A) vitamin A
B) heparin
C) Methysergide
D) Aspirin

14. The method used for detection of faulty sealing is
A) Benedict's test
B) dissolution test
C) rupture test
D) bubble test

15. Active immunity provide
A) slow acting short duration
B) fast acting long duration
C) slow acting long duration
D) fast acting short duration

16. Maximum absorption of nutrients take place in
A) small intestine
B) liver
C) stomach
D) blood

17. Calamine lotion contain zinc oxide
A) 100%
B) 50%
C) 75%
D) 98%

18. Shampoo contain which surfactant
A) cationic
B) Anionic
C) Amphoteric
D) Aprotic

19. Which is not parenteral glass?
A) Type I
B) type II
C) type III
D) type IV

20. Bacitracin is a
A) Antibiotic
B) Antichoninergic
C) Anti epileptic
D) Anti tubercular

21. Atracurium neuromuscular blocking agent is metabolized through
A) Hoffman elimination
B) Hoffman rearrangement
C) curtius reaction
D) Claisen schidt reaction

22. Oxidation of which substance in the body yields the highest amount of calories?
A) Glucose
B) Glycogen
C) Proteins
D) Lipids

23. Which of the following ions is required for crystallization and storage of the hormone insulin?
A) Mn++
B) Mg+
C) Zn++
D) Ca++

24. Which of the following is amino acid derived antibiotic?
A) Azithromycin
B) streptomycin
C) penicillin G

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D) tetracycline

25. Choose the most basic heterocyclic compound among the following

A) Pyrrole
B) Pyrrolidine
C) Furan
D) Thiophine

26. Among the following Sugars which one is non reducing sugar and does not exhibit mutarotation?

A) glucose
B) lactose
C) maltose
D) sucrose

27. Diastereomers possess different physical properties because

A) they are mirror images of each other
B) they are conformationally dissimilar isomers
C) they are confugurationally similar isomers
D) They are confugurationally different isomers

28. An anti malarial drug containing endoperoxide structure is

A) Quinine
B) Artemisinin
C) Quinacrine
D) cycloguanil

29. The catalytic triad in acetylcholinesterase is composed of the following amino acid residues

A) serine , histidine and glutamine
B) serine , arginine and glutamate
C) Threonine , histidine and aspartate
D) Threonine , Arginine and glutamate

30. Which of the following reactions is not a Phase 1 metabolic reaction?

A) oxidation
B) reduction
C) acetylation
D) hydrolysis

31. Which one of the following is not a steroidal sapogenin?

A) Hecogenin
B) Diosgenin
C) sarsasapogenin
D) Hederagenin

32. Increased serum levels of which of the following may be associated with decrease risk of atherosclerosis?

A) VLDL
B) LDL
C) HDL
D) cholesterol

33. Drugs that can precipitate bronchial asthma are 1. Indomethacin 2.codeine phosphate 3. Rabeprazole 4. Theophylline

A) 1 and 3
B) 1 and 2
C) 3 and 4
D) 2 and 4

34. Ethambutol has

A) 2 chiral centers and 4 stereoisomers
B) 1 chiral center and 2 stereoisomers

C) 2 chiral center and 3 stereoisomers
D) 2 chiral centers and 2 stereoisomers

35. Particles of stationery phase of reverse phase HPLC columns are composed of
A) silica
B) Alumina
C) carbon bonded silica
D) polyacrylamide

36. Acetylcholine a neurotransmitter shows the following type of isomerism in its structure
A) conformation isomerism
B) configurational isomerism
C) functional isomerism
D) positional isomerism

37. **The given notation used in front of the name of an organic compound means that the compound is dextrorotatory**
A) D-
B) d-
C) R-
D) Z-

38. Limit tests of chloride, sulphate and iron are
A) quantitative tests
B) qualitative tests
C) semi quantitative tests
D) identification tests

39. Cobalt 60 radioactive material is used in medicine for the following purposes
A) therapeutic purposes
B) Diagnostic purposes
C) experimental purposes
D) as a radiotracker

40. The following are emitted from radioactive substances except
A) Alpha particles
B) beta particles
C) IR rays
D) Gamma rays

41. Iodine value of any oil is indicative of the following characteristic of the oil
A) level of free acid present in the oil
B) level of reducible groups in the oil
C) level of iodine present in the oil
D) level of unsaturation present in the oil

42. Chorpheniramine maleate contents in the tablet sample can be estimated by the following assay method
A) diazotization titrimetry
B) Non aqueous titrimetry
C) acid based titrimetry
D) Iodometric titrimetry

43. Which one of the following drugs is available as tablet triturate?
A) Ephedrine Hcl
B) Theophylline
C) Nitroglycerine
D) Digitonin

44. Fluids that do not flow until a minimum share stress called 'threshold share stress' is applied on them are known as
A) Dilatant
B) Bingham plastic
C) pseudoplastic
D) Newtonian

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45. Which organ stores urine in human body?
A) kidney
B) uterus
C) urinary bladder
D) urethra

46. Resins and gums stored in old xylem are_____
A) waste products of plant body
B) extremely useful products of plant body
C) required for future growth of plant body
D) waste products of animal body

47. How do nervous tissues conduct information from one part of the body to other in human body?
A) via electrical impulses
B) via blood
C) via blood plasma
D) Via xylem tissue

48. Penicillin has a beta lactam ring fused to
A) Oxazilidine ring
B) Thiazolidine ring
C) Triazole ring
D) Thienyl ring

49. Addison's disease is caused by
A) thyroid insufficiency
B) adrenocortical insufficiency
C) dopamine insufficiency
D) acetylcholine insufficiency

50. The following is antipsychotic drug having phenothiazine ring
A) Haloperidol
B) chlorpromazine
C) Phenytoin
D) Pimozide

51. The following is an example of prodrug
A) Captopril
B) Dipivefrine
C) Amlodipine
D) Paracetamol

52. The volume of air can be breathed out of forced expiration after taking forced inspiration is called
A) Tidal volume
B) Total lung capacity
C) Vital capacity
D) Force expiratory volume

53. A solution that exerts the same pressure with body fluid is termed as
A) hypertonic
B) hypotonic
C) isotonic
D) all

54. Which vitamin is also known as anti-ricket?
A) vitamin B
B) vitamin A
C) Vitamin D
D) Vitamin C

55. Which one of the following disease is not fomite borne?
A) Malaria
B) typhoid
C) Diphtheria
D) Bacillary dysentery

56. Which one of the following is not a part of CNS?
A) spinal cord
B) cerebrospinal fluid
C) somatic nerves
D) cerebrum

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57. ____ is basic unit of contraction in skeletal and Cardiac muscles
A) myofibrils
B) Actin and myosin
C) Tendons
D) Sarcomere

58. Antacids are
A) strong acids
B) strong base
C) weak base
D) weak acids

59. Adipose tissue is an example of _____ tissue
A) connective
B) muscle
C) epithelial
D) nervous

60. Presence of clove stalks and fruits in cloves is an example of which type of drug adulteration?
A) Admixture
B) Sophistication
C) superficially similar inferior drug
D) Deterioration

61. The hormone produced by pancreas is
A) insulin
B) prolactin
C) bile
D) estrogen

62. Quinidine is used to treat
A) Atrial fibrillation
B) angina
C) Congestive heart failure
D) Hypertension

63. Histamine has a _____ heterocyclic nucleus
A) Imidazole
B) pyrrolidine
C) pyridine
D) pyrimidine

64. Which one of the following is a prodrug?
A) Atorvastatin
B) simvastatin
C) Rosuvastatin
D) Fluvastatin

65. Which one of the following is a second messenger of the G protein coupled receptor?
A) cAMP
B) sodium ions
C) Adenylyl cyclise
D) phospholipase C

66. Excess salt intake leads to
A) Hypertension
B) cancer
C) blindness
D) Diabetes

67. The prevention of cruelty to animals Act was enacted in _____
A) 1950
B) 1960
C) 1961
D) 1958

68. In heavy metals limit test , the standard is prepared by using solution of
A) silver chloride
B) hydrogen chloride
C) Silver Nitrate
D) Lead nitrate

69. Which of the following is not a test for purity?
A) specific gravity

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B) melting point
C) boiling point
D) quantity of sample

70. Which of the following types is an inhalation dosage forms?
A) Tinctures
B) capsules
C) aerosols
D) suppositories

71. Drugs that are obtained if prescribed are known as
A) OTC drugs
B) physician samples
C) prescription drugs
D) Placebo

72. Unexpected drug response which cannot be predicted in individual recipients are defined as
A) Idiosyncrasy
B) Teratogenicity
C) Hypersensitivity
D) Anaphylaxis

73. Largest lymphatic organ
A) bone marrow
B) spleen
C) Tonsils
D) Thymus

74. Emetics are used to
A) increase respiration
B) reduce acidity
C) maintain hydration
D) Induce vomiting

75. Causative organism for Typhoid fever is
A) clostridium
B) RNA virus
C) fungi
D) salmonella typhi

76. Noxious and unintended effects of drug occurring in normal doses are known as
A) therapeutic effect
B) adverse drug reaction
C) drug abuse
D) toxic reaction

77. Wool fat is which type base?
A) absorption
B) emulsion
C) hydrocarbon
D) water soluble

78. Which one of the following is ethylene diamine derivative Anti histamine agent?
A) Carbinoxamine
B) Triprolidine
C) Methapyrilene
D) Diphenhydramine

79. Which one of the following is not inhalation anaesthetic?
A) Thiopental sodium
B) halothane
C) Diethyl ether
D) chloroform

80. Insulin should be stored at temperature
A) 10^oC to 25^oC
B) 15^oC to 20^oC
C) 8^oC to 20^oC
D) 2^oC to 8^oC

81. Which is not a synthetic local anaesthetic?
A) cinchocaine
B) Lignocaine
C) Cocaine
D) Benzocaine

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82. Hyperpyrexia is a state of
A) high body temperature
B) low blood pressure
C) low body temperature
D) high blood pressure

83. Which one is not a stable isotope?
A) chlorine 35
B) Uranium
C) carbon 12
D) hydrogen 2

84. A rod shaped, Gram Negative, non pathogenic soil and water bacteria that fix atmospheric nitrogen are
A) streptococcus salivarius
B) Azotobacteraceae
C) Micrococcus roseus
D) staphylococcus aureus

85. Source of Aspirin is
A) animal
B) synthetic
C) plant
D) mineral

86. The penetration power of Gamma Rays is
A) 100 more than beta particle
B) lower than Alpha particle
C) equal to Alpha particle
D) lower than beta particle

87. The shape of vibrio cholerae is
A) Bullet shape
B) Comma shape
C) round shape
D) Bottle shape

88. Large volume parenteral are administered by
A) intravenous
B) intrathecal
C) subcutaneous
D) intramuscular

89. The function of lungs is
A) Oxygen and Carbon dioxide exchange
B) urine excretion
C) water exchange
D) digestion

90. Which one is a killed vaccine?
A) measles
B) oral polio
C) BCG
D) cholera

91. Warm temperature storage condition explained in IP and USP Ranges from
A) 30^{o}C to 40^{o}C
B) 25^{o}C to 40^{o}C
C) 25^{o}C to 35^{o}C
D) 35^{o}C to 45^{o}C

92. Capsule shells are made with
A) sugar
B) gelatin
C) waxes
D) glycerol

93. The excretion ratio is a determined by comparing the clearance value of the drug to the clearance value of which compound?
A) urea
B) glucose
C) albumin
D) creatinine

94. In fermenter, the top portion left without broth is called
A) Sparger

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B) shaft
C) impeller
D) Headspace

95. The procedures for the breeding, stocking and experimentation of animals are included under
A) DTAB
B) DPCO
C) CPCSEA
D) NDPS

96. Streptococci are arranged in
A) cluster
B) half circle
C) chain
D) circle

97. According to the Anatomical term,_____ means closest to the point of origin or trunk of the body
A) Proximal
B) distal
C) anterior
D) posterior

98. Prescribing tetracycline with milk is which type of incompatibility?
A) physical
B) compatible
C) chemical
D) therapeutic

99. Which of the following is a hormonal method?
A) suppository
B) creams
C) foam
D) Mala-D pill

100. Bases are substances when dissolved in aqueous solution gives
A) H+ ions
B) Cl- ions
C) Na+ ions
D) OH- ions

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PHARMACIST TEST PAPER - 22

1. **In vasectomy the cut out part is _____**
   A) seminal vesicle
   B) testis
   C) prostate
   D) Vas deference

2. **Stimulation is a type of**
   A) irritation
   B) adverse action
   C) modification
   D) drug action

3. **Myristica fragrans is the biological source of**
   A) Ginger
   B) nutmeg
   C) Asafoetida
   D) cinnamon

4. **Scaling of tooth is**
   A) removal of crown
   B) cutting tooth
   C) feeling of cavity
   D) removal of tartar

5. **Agonist combine with receptor to produce**
   A) pharmacological action
   B) chemical reaction
   C) neutralization
   D) physical action

6. **What is the biological source of wool?**
   A) Cannabis sativa Linn. Family cannabinaceae
   B) Gossypium hirsutum Linn
   C) Ovis aries Linn. Family Bovideae
   D) Bombyx mori Linn. Family Bombycidae / Moraceae

7. **Which of the following type of neurone carry impulses from sense organs to brain and spinal cord?**
   A) Motor
   B) synapse
   C) sensory
   D) interneurone

8. **Iron is a component of _____**
   A) haemoglobin
   B) lymph
   C) pancreatic juice
   D) gastric juice

9. **Ergot contents which type of alkaloids?**
   A) purine
   B) modified diterpene
   C) Isoquinoline
   D) Indole

10. **Haemoglobin is the component of**
    A) WBC
    B) RBC
    C) neutrophil
    D) platelet

11. **Manufacture of opium other than opium mixture can be carried out by**
    A) only by government opium factories
    B) licence private cultivators
    C) cultivator only
    D) licence holder of drug manufacture

12. **The proof of equality of debit and credit balance is called**
    A) balance sheet
    B) Ledger
    C) journal proper
    D) trial balance

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13. Mala-D oral contraceptive contains
A) estrogen and testosterone
B) estrogen and progestrogen
C) estrogen
D) progestrogen

14. Which among the following drug contain cardiac glycoside?
A) Quassia
B) senna
C) Aloe
D)Digitalis

15. Theobroma oil is a type of _____ suppositories base
A) hydrophilic
B) hydrophobic
C) Oleagenous
D) Emulsifying

16. Which of the following antibiotic contents Naphthacene nucleus?
A) Rifampicin
B) Tobramycin
C) Tetracycline
D) Amoxycillin

17. Water as vehicle can transmit all except
A) tetanus
B) roundworm
C) polio
D) diarrhoea

18. The complementary base of adenine in RNA is
A) Uracil
B) Thymine
C) Cytosine
D) Guanine

19. Which glass is suitable for Packaging of parenteral products?
A) general purpose soda lime glass
B) regular soda lime glass
C) Borosilicate glass
D) treated soda lime glass

20. One among the following crude drug is used as an anti hypertensive
A) Myrrh
B) Rauwolfia
C) Cinchona
D) Pterocarpus

21. Sodium nitrite is classified as
A) mechanical antidote
B) physiological antidote
C) chemical antidote
D) Chelating agent

22. Pale catechu is biologically obtained from
A) heart wood of Acacia catechu
B) roots and stem base of withania somnifera
C) leaves and young twigs of Uncaria gambier
D) Dried Ripe seeds of Myristica fragrans

23. AgNO3 is categorised as
A) reductive antimicrobial agent
B) oxidative antimicrobial agent
C) halogenated antimicrobial agent
D) protein precipitating antimicrobial agent

24. Oral anticoagulants acts by antagonizing the action of
A) Fibrinogen
B) Prothrombin
C) Haemoglobin
D) Vitamin K

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25. Mannitol acts as a diuretic by

A) decreasing osmotic pressure in Renal tubule

B) inhibiting reabsorption of sodium ion

C) increasing osmotic pressure in Renal tubule

D) increasing rate of glomerular filtration

26. One among the following is a dust borne disease

A) tuberculosis

B) typhoid

C) malaria

D) diarrhoea

27. The drug can cause Ototoxicity

A) Acetazolamide

B) Furosemide

C) Diclofenac sodium

D) Amiloride

28. Sudan IIII on reaction with volatile oil will give a

A) red colour

B) pink colour

C) yellow colour

D) black colour

29. Low HLB value surfactants are _____ in nature

A) Amphiphilic

B) hydrophilic

C) hydrophobic

D) water soluble

30. A budget is a

A) balance sheet

B) financial statement

C) a report

D) quantitative statement

31. Which one is not absorbable suture?

A) poly glycolic acid

B) polyester

C) caprolactone

D) poly lactic acid

32. In liver damage there is increased level of

A) RBC

B) WBC

C) platelets

D) SGPT (Serum glutamate pyruvate transaminase)

33. The normal value of haematocrite is

A) 20%

B) 60%

C) 40% - 54%

D) 10 - 30%

34. Amino acids are linked Together by

A) peptide

B) sulfide

C) ionic

D) hydrogen

35. One among the following compounds is diffusible

A) Aspirin

B) Phenacetin

C) Bismuth carbonate

D) Chalk powder

36. Goblet cells are responsible for the secretion of

A) pepsin

B) Bile

C) Mucus

D) Lymph

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37. The starting material used for synthesis of propanolol is
A) 1,B-napthol and chloropropanol
B) Alpha napthol and chloropropanol
C) Alpha Napthol and epichlorohydrin
D) Beta napthol and epichlotohydrin

38. Which of the following drug combinations are not synergistic in nature?
A) amoxicillin + clavulanic acid
B) Nitrofurantoin + Nalidixic acid
C) Pyrimethamine + Sulfadoxine
D) Sulfamethoxazole + Trimethoprim

39. In fennel _____ tissue is lignified
A) Endocarp
B) Epicarp
C) Mesocarp
D) parenchyma

40. Measles vaccine is given at
A) 9 months of age
B) Birth
C) 6 months of age
D) 3 months of age

41. The first line drug of choice for a patient suffering from mild hypertension is
A) hydrochlorothiazide
B) Hydralazine
C) clonidine
D) Captopril

42. One among the following substance is used in the limit test of heavy metals
A) hydrogen peroxide
B) hydrogen sulphide
C) hydrogen sulphate
D) Thioglycolic acid

43. Identify the enzyme whose levels are elevated in obstructive jaundice
A) Aspartate aminotransferase and Alkaline Transferase
B) Alkaline Phosphatase
C) Alanine Transferase
D) Aspartate

44. Fluoride inhibits caries formation via
A) carbonate formation
B) increasing acid solubility of enamel
C) Plaque formation
D) decreasing acid solubility of enamel

45. The principal structural component of the cell wall in Gram Positive Bacteria is
A) simple protein
B) glycoprotein
C) lipopolyssaccharides
D) Peptidoglycan

46. A drugs with narrow therapeutic window
A) can we used over a wide range of doses
B) has a limited possibility of side effects in higher doses
C) has a low safety margin
D) safer than a drug with high therapeutic window

47. Which schedule deals with standards for surgical dressing?
A) schedule D
B) schedule F1
C) schedule F2

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D) schedule F3

48. Which of the following drying method is used in Pharma Industry for drying of soft gelatin capsules?
A) vacuum Drying
B) truck drying
C) Fluid bed drying
D) microwave drying

49. In the paediatric dose calculation, children in the first twenty days of birth comes under the class of
A) infant
B) child
C) neonatal
D) just born

50. The only vitamin that is Teratogenic is
A) vitamin A
B) vitamin B
C) Vitamin C
D) Vitamin D

51. Water for injection differs from steriled distilled water as it is free from
A) antioxidant
B) pyrogens
C) preservative
D) carbon dioxide

52. Which one of the following drugs is used to treat bradycardia or heart block during anaesthesia?
A) Atropine
B) Ipratropium
C) Propantheline
D) Glycopyrrolate

53. All of the following are mosquito Borne diseases except
A) dengue
B) Chikungunya
C) Japanese encephalitis
D) kyasanur forest disease

54. Which is used as gastric cytoprotective agent?
A) PGE 1
B) PGF 2 - Alpha
C) PGE 2
D) Misoprostol

55. 20 weeks pregnancy of a 25 year old lady can be terminated with consent of
A) Guardian/husband
B) one registered medical practitioner
C) two registered medical practitioner
D) nurse

56. All of the following are objectives of Pharmaceutical procurement except
A) procure the most cost effective drugs in the right quantities
B) select reliable suppliers of high quality products
C) procure the latest drug regardless of cost or safety profile
D) ensure timely delivery

57. Which is autoimmune disease?
A) cancer
B) Alzheimer's disease
C) cardiac heart failure
D) myesthenia gravis

58. Peripheral neuritis is a major side effect of
A) atorvastatin
B) Isoniazid
C) prazocin

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D) Penicillin

59. The amino acids that cannot be synthesized in the body and must be supplied in the diet are known as
A) alicyclic compounds
B) aliphatic compounds
C) essential amino acids
D) aromatic amino acids

60. Medicine can be marketed and sold in India only if it is approved by
A) Medical Council of India
B) drug controller general of India (DCGI)
C) food and drug administration(FDA) USA or any or other developed countries
D) Indian Medical Association (IMA)

61. The intake of a minimum of 2 to 10 drugs at the same time on a regular therapeutic basis is called
A) polypharmacy
B) drug overdose
C) drug overuse
D) drug abuse

62. Which of the following drug interacts with vasopressin?
A) chloroquin
B) chloramphenicol
C) Chlorpropamide
D) phenytoin sodium

63. All of the following are responsibilities of a pharmacist except
A) manage a drug store
B) give a prescription
C) proper storage and dispensing of drugs
D) counselling patient regarding appropriate drug use and compliance

64. Seliwanoff's test is positive for
A) glucose
B) galactose
C) fructose
D) Mannose

65. The time required for the plasma concentration of the drug to decline to half to its existing value is known as
A) Half Life
B) clearance time
C) first pass metabolism time
D) Timax

66. The pathogenic organism in milk is killed by
A) tyndallization
B) pasteurization
C) autoclaving
D) dry heat sterilization

67. The Pharmaceutical price regulation scheme is exercised to have
A) direct control over generic price
B) indirect control over generic price
C) direct control over branded price
D) indirect control over branded price

68. The pyrimidine nucleobase found in RNA is
A) Thymine
B) Adenine
C) Guanine

D) Uracil

69. Carotenoids are precursors of which of the following vitamin?
A) vitamin A
B) Vitamin B6
C) Vitamin C
D) vitamin E

70. Which one of the following is not true ? tablets are often coated
A) to mask bitter taste
B) to increase friability
C) to protect the drug from the external environment
D) to make swallowing easier

71. Which of the following drug is abused by athletes as a doping agent ?
A) Benzodiazepine
B) Antipsychotic
C) Nandrolone
D) Phenobarbitone

72. A pharmacy professional should be
A) observant
B) incapable of lateral thinking
C) not approachable
D) unavailable

73. Mechanism of action of sildenafil used in erectile dysfunction is
A) angiotensin converting enzyme inhibitor
B) Phosphodiesterase V inhibitor
C) HMG CoA inhibitor
D) Cholinesterase inhibitor

74. Gram Positive Bacteria retain which type of colour in Gram staining?
A) red colour
B) violet colour
C) green colour
D) yellow colour

75. Which of the following is not a waste product of protein metabolism?
A) ammonia
B) creatinine
C) urea
D) uric acid

76. Which one of the following is not true
A) hydrophobic drugs dissolve slowly
B) hydrophobic drugs have low solubility in water
C) hydrophobic drugs are easily wetted
D) drugs can be hydrophilic or hydrophobic

77. Terazocin , an anti hypertensive drug acts by
A) blocking alpha 1 adrenoreceptors
B) blocking AT1 receptors
C) blocking beta 1 adrenoreceptors
D) blocking H1 receptors

78. Benzolkonium chloride added in eye preparation are used at a concentration of
A) 0.05 %
B) 0.02 %
C) 1.0 %
D) 0.5 %

79. The phase in mitosis in which complementary of 46 chromosomes are visible under the microscope is
A) Metaphase

B) prophase
C) Telophase
D) Anaphase

80. Extra precautions are to be taken while dispensing the following drugs
A) sound alike and look alike drugs
B) narcotic drugs
C) schedule drugs
D) all of the above

81. Centchroman belongs to which category of drugs
A) oral anticoagulant
B) oral contraceptive
C) oral Anti Diabetic
D) oral haematinic

82. Which of the following excipients may be used to limit the presence of microorganisms in a liquid formulation?
A) sodium Lauryl sulphate
B) benzalkonium chloride
C) purified water
D) Ascorbic acid

83. An integral membrane glycoprotein of the human erythrocyte is
A) amylopectin
B) glycophorin
C) chitin
D) glycogen

84. Nujol is
A) carbon tetrachloride
B) ammonium Persulfate
C) Mineral oil
D) sodium chloride

85. Both Snail and crab a vectors of which of the following diseases?
A) encephalitis
B) simensis
C) Schistosomiasis
D) paragonimiasis

86. Sucrose is the disaccharide which made up of
A) alpha- D glucose and beta-D-fructose
B) Alpha-D glucose and beta-D galactose
C) alpha-D glucose and beta-D glucose
D) beta-D glucose and alpha-D fructose

87. Indian Rhubarb shows fluorescence under UV light which is
A) orange
B) green
C) violet
D) blue

88. What is synonym of Rauwolfia?
A) Henbane
B) Deadly nightshade leaf
C) Green hellebore
D) Indian snake root

89. Anticoagulant of choice in pregnancy
A) Heparin
B) warfarin
C) Dicumarol
D) Phenindione

90. Herbal medicines
A) are completely safe without any side effects
B) does not have any effect on the use of modern medicines
C) doesn't required any further scientific studies

D) can have dangerous interactions with some drugs

91. Ibuprofen is derivative of
A) Pyrrole acetic acid
B) Phenyl alpha methyl acetic acid
C) Indole acetic acid
D) N- aryl anthranilic acid

92. The form for the issue of licence to sell, stock, exhibit for sale or distribute drugs specified in schedule X in retail is
A) 21
B) 21 A
C) 20 F
D) 20 G

93. The art of planning, organizing, staffing , motivating and controlling is called
A) manufacturing
B) management
C) advertising skills
D) marketing

94. The condensation of chromatin and shrinkage of the nucleus leading to cell death is termed as
A) Autophagy
B) Pyknosis
C) Karyolysis
D) karyorrhexis

95. Which of the following hormones inhibits the secretion of insulin, glucagon and growth hormone?
A) Thyroxine
B) serotonin
C) Melatonin
D) Somatostatin

96. Patients with penicillin allergies are frequently allergic to which of the following class of antibiotics?
A) cephalosporins
B) quinolone
C) macrolides
D) Aminoglycosides

97. The Ortho toluidine test is performed for assessing the effectiveness of
A) Sawage treatment
B) chlorination
C) organic purification
D) water purification

98. The colorants are added in the process of sugar coating in one of the following steps
A) subcoating
B) Polishing
C) Syrup coating
D) seal coating

99. The light absorption in UV region produces change in the
A) the vibrational energy of the molecule
B) the electronic energy of the molecule
C) the rotational energy of the molecule
D) all the three energies of the molecule

100. Etoposide is a semisynthetic derivative of
A) plant glycoside
B) plant tannin
C) plant alkaloid
D) plant terpene

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PHARMACIST TEST PAPER -23

1. **Elimination rate constant (kelim) is Defined by the following parameter**
   A) rate of absorption
   B) maximum concentration of a substance in plasma
   C) highest single dose
   D) Half Life (t½)

2. **'Affinity' is a measure of**
   A) drugs binding to plasma proteins
   B) drugs binding to a receptor
   C) inhibiting potency of a drug
   D) bioavailability of a drug

3. **Which of the following direct acting cholinomimetics has the shortest duration of action?**
   A) Acetylcholine
   B) Methacholine
   C) Carbachol
   D) Bethanechol

4. **Indicate the skeletal muscle relaxant which is a depolarising agent**
   A) Vecuronium
   B) scopolamine
   C) Succinylcholine
   D) Hexamethonium

5. **Which of the following drugs is useful in the treatment of Parkinson's disease?**
   A) Benztropine
   B) Endrophonium
   C) Succinylcholine
   D) Hexamethonium

6. **Indicate muscles which are more resistant to block and recover more rapidly**
   A) hand
   B) leg
   C) neck
   D) diaphragm

7. **Which of the following causes bronchodilation without significant cardiac stimulation?**
   A) Isoprenaline
   B) terbutaline
   C) xylometazoline
   D) methoxamine

8. **Indicate the agent of choice in the emergency therapy of anaphylactic shock**
   A) Methoxamine
   B) Terbutaline
   C) Norepinephrine
   D) Epinephrine

9. **Hypnotic drugs are used to treat**
   A) psychosis
   B) sleep disorders
   C) narcolepsy
   D) parkinsonian disorders

10. **Which of the following hypnotics is prepared in patients with Limited hepatic function?**
    A) Zolpidem
    B) amobarbital
    C) Flurozepam
    D) Pentobarbital

11. **The most effective drug for stopping generalized tonic- clonic status epilepticus in adults is**
    A) Lamotrigine
    B) Ethosuximide
    C) Diazepam

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D) Zonisamide

12. The most dangerous effect of antiseizure drugs after large overdoses is
A) respiratory depression
B) Gastrointenstinal irritation
C) alopecia
D) sedation

13. Indicate the drug that induces Parkinsonian syndromes
A) Chlorpromazine
B) Diazepam
C) Triazolam
D) Carbamazepine

14. The combination of Disulfiram and ethanol leads to accumulation of
A) formaldehyde
B) acetate
C) formic acid
D) acetaldehyde

15. Which of the following agents may be used as an antidote for ethylene glycol and methanol poisoning?
A) Apomorphine
B) Fomepizole
C) Selegiline
D) Amphetamine

16. Narcotics analgesic should
A) relieve severe pain
B) induce loss of sensation
C) reduce anxiety and exert calming effect
D) induce a stupor or somnoient state

17. Which of the following analgesic is used in obstetric labour?
A) Fentanyl
B) Pentazocine
C) Meperidine
D) Buprenorphine

18. Which of the following non narcotic agent is salicylic acid derivative?
A) phenylbutazone
B) Ketamine
C) aspirin
D) Tramadol

19. Indicate the non narcotic analgesic which lacks an anti inflammatory effect
A) Naloxone
B) Paracetamol
C) Metamizole
D) Ecosprin

20. Parkinsonian symptoms and tarditive dyskinesia are caused by blockade dopamine in
A) The nigrostriatal system
B) the mesolimbic system
C) The mesofrontal system
D) The D) The tuberoinfundibular system

21. Indicate the anaesthetic which is used intravenously
A) Propofol
B) Halothane
C) Desflurane
D) Nitrous oxide

22. Which of the following neurotransmitters is involved in Parkinson's disease?
A) acetylcholine
B) Glutamate
C) Dopamine
D) All of the above

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23. Which of the following drug is proteolytic enzyme?
A) potassium iodide
B) Desoxiribonuclease
C) carbocysteine
D) Acetylcysteine

24. The mechanism of stimulant purgatives is
A) increasing the volume of non absorbable solid Residue
B) increasing motility and secretion
C) altering the consistency of the faeces
D) increasing the water content

25. Indicate the drug which increases absorption of iron from intestine
A) Cyanocobolamine
B) folic acid
C) Ascorbic acid
D) Erythropoietin

26. An adverse effect of oral iron therapy is
A) anaemia
B) Thrombocytopenia
C) Headache
D) Constipation

27. Which drug is used in treating supraventricular tachycardias?
A) Digoxin
B) Dobutamine
C) Amrinone
D) Dopamine

28. Duration of nitroglycerin action (sublingual) is
A) 10 - 30 minutes
B) 6 – 8 hours
C) 3 – 5 minutes
D) 1.5 – 2 hours

29. Which one of the following antianginal agents is a Calcium channel blocker?
A) Nitroglycerin
B) Dipyridamole
C) Minoxidil
D) Nifedipine

30. This drug reduces blood pressure by acting on Vasomotor centres in the CNS
A) Labetalol
B) clonidine
C) Enalapril
D) Nifedipine

31. Pick out the drug - an alpha and beta adrenoreceptors blocker
A) Labetalol
B) Verapamil
C) Nifedipine
D) Metoprolol

32. Identify the diuretic agent which is having a potent and Rapid effect
A) Furosemide
B) Spironolactone
C) Dichlothiazide
D) Indapamide

33. Choose the positive inotropic drug of non glycosides structure
A) digitoxin
B) digoxin
C) Dobutamine
D) strophanthus

34. The following are Ergot derivative is used for the treatment of acute migraine attack
A) Paracetamol
B) sumatriptan

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C) Ergotamine
D) Metoclopramide

35. Select an endocrine drug which is a steroidal derivative
A) Gonadorelin
B) Insulin
C) Levothyroxine
D) Hydrocortisone

36. Indications of vasopressin are following
A) Diabetes mellitus
B) hypertension
C) pituitary diabetes insipidus
D) incomplete abortion

37. Hypoglycemic drug stimulates both synthesis and release of insulin from beta islet cells
A) Glibenclamide
B) Phenformin
C) Buformine
D) Metformin

38. Which of the following Glucocorticoids is a long acting drug?
A) Prednisolone
B) Dexamethasone
C) Triamcinolone
D) All of the above

39. Which of histamine H1 antagonist is noted for the serotonin blocking effect?
A) Brompheniramine
B) Cyproheptadine
C) Suprastine
D) Dimedrol

40. The indication for interferon Alpha administration is
A) Hepatitis C virus infection
B) kaposi's sarcoma
C) Condyloma
D) all of the above

41. Select a fat soluble vitamin
A) ascorbic acid
B) Tocopherol
C) Thiamine
D) Riboflavin

42. Dermatitis, diarrhoea and dementia are characteristics of
A) dry beriberi
B) Pyridoxine deficiency
C) scurvy
D) Pellagra

43. Loosening of teeth, gingivitis and hemorrhage occur in the deficiency of
A) Vitamin K
B) vitamin B1
C) vitamin B6
D) Vitamin C

44. Which of the following enzymes has fibrinolytic activity?
A) Pepsin
B) Urokinase
C) L-Asparaginase
D) Lydaze

45. The drug both inhibits an enzyme and indirectly enhances clearance of low density lipoproteins (LDL)
A) Cholestyramine
B) Lovastatin
C) Nicotinic acid
D) Probucol

46. Which of the following drugs used in the treatment of gout has as its primary effect the reduction of uric acid synthesis?

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A) Allopurinol
B) sulfinpyrazone
C) Colchicine
D) Indomethacin

47. Side effect of calcitonin is
A) hypercalcemia
B) metastatic calcifications
C) Tetani
D) GI toxicity

48. Recommended fluoride daily allowance is
A) 1.5 - 4 mg
B) 600 - 900 gram
C) 25 gram
D) 350 - 400 mg

49. The drug acts in the distal Convoluted tubule
A) loop diuretics
B) Thiazide diuretics
C) potassium sparing diuretics
D) carbonic anhydrase inhibitors

50. The drug is usually given in combination with a Thiazide diuretic
A) Acetazolamide
B) Furosemide
C) Hydrochlorothiazide
D) Amiloride

51. Identify the drug belonging to antibiotics tetracyclines
A) doxycycline
B) streptomycin
C) clarithromycin
D) amoxicillin

52. Antibiotic inhibiting bacterial RNA synthesis is
A) Erythromycin
B) Rifampin
C) chloramphenicol
D) Imipenem

53. The drug used for malaria chemoprophylaxis and treatment
A) Chloroquine
B) Quinidine
C) Quinine
D) Sulfonamides

54. The drug inhibiting viral DNA synthesis
A) interferon
B) Saquinavir
C) Amantadine
D) Acyclovir

55. The drug used for influenza A prevention
A) Acyclovir
B) Rimantadine
C) Saquinavir
D) Foscarnet

56. Choose the anti cancer drug a pyrimidine antagonist
A) Fluorouracil
B) Mercaptopurine
C) Thioguanine
D) Methotrexate

57. Enzyme drug used for acute leukaemia treatment
A) dehydrofolate reductase
B) Asparginase
C) Aromatase
D) DNA gyrase

58. Sildenafil is used for treatment of one of the following disorders
A) systolic hypertension
B) unstable Angina
C) pulmonary hypertension
D) hypertension due to eclampsia

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59. Which one of the following drugs is not a typical anti psychotic agent?
A) Chlorpromazine
B) Haloperidol
C) Risperidone
D) Flupenthixol

60. Which one of the following is used as a mood stabilizer for bipolar disorder and also in certain epileptic convulsions?
A) phenytoin
B) Lithium
C) sodium valproate
D) Fluoxetine

61. Which is mechanism of Aprotinin?
A) Inhibits carboxypeptidase
B) Inhibits plasminogen
C) inhibits plasmin
D) inhibits plasminogen activator

62. Which of the following is Interleukin antagonist?
A) Aldesleukin
B) Rituximab
C) Anakinra
D) Etanercept

63. Which of the following cholinomimetics activates both muscarinic and nicotinic receptors?
A) Lobeline
B) Pilocarpine
C) Carbachol
D) Bethanechol

64. Which property of chlorpromazine is responsible for its antipsychotic effect?
A) Antidopaminergic
B) Antimuscarinic
C) adrenoreceptor blocking
D) Anti 5 – HT property

65. Drug obtained from animal source
A) Dicoumarol
B) Heparin
C) Cocaine
D) insulin-human

66. In Hemolytic jaundice the following are true except
A) unconjugated bilirubin level increases
B) anaemia is common
C) serum alkaline phosphatase level increases
D) liver function test is normal

67. Scratching eases itching because
A) it kills germs
B) it suppresses the production of enzymes which cause itching
C) it removes the outer Dust in the skin
D) it stimulate certain nerves which direct the brain to increase the production of anti-histaminic chemical

68. Why sodium thiosulphate is added to eye drops?
A) as stabilizing agent
B) as reducing agent
C) as buffering agent
D) as vehicle

69. An Analgesic containing para amino phenol group is
A) Paracetamol
B) Ibuprofen
C) Aspirin
D) indomethacin

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70. Retroviral infection
A) smallpox
B) influenza
C) HIV
D) cytomegalovirus

71. Which one of the following group is responsible for the duration of the local anaesthetic action
A) intermediate chain
B) Lipophylic group
C) Ionizable group
D) all of the above

72. Nicotinic action of acetylcholine is blocked by the drug
A) atropine
B) carvedilol
C) Neostigmine
D) d- Tubocurarine

73. An agent used in prinzemetal Angina has spasmolytic action which increases coronary blood supply is
A) Nitroglycerine
B) Nifedipine
C) Timolol
D) Isosorbide mononitrate

74. Identical twins arise when two
A) cells develop independently from the same zygot
B) gametes develop independently
C) sperms develop independently
D) ova develop independently

75. In the case of a test tube baby
A) fertilization takes place inside the test tube
B) development of the baby takes place inside the test tube
C) fertilization takes place outside the mother body
D) unfertilized egg develops inside the test tube

76. Which of the following local anaesthetic is called a universal anaesthetic?
A) procaine
B) Ropivacaine
C) Lidocaine
D) Etidocaine

77. Identify the drug which is not used in the treatment of Malaria caused by plasmodium falciparum
A) Artemisinin
B) primaquine
C) Quinine
D) Mefloquine

78. Km value indicates
A) impurity of enzyme
B) physiological role
C) purity of enzyme
D) affinity

79. Which is effective in the treatment of mushroom poisoning?
A) Pralidoxime
B) Pilocarpine
C) Neostigmine
D) Atropine

80. Volume of distribution is highest with
A) Zidovudine
B) chloroquine
C) Abacavir
D) leptins

81. About _____ of the total calcium present in the human body is in the blood
A) 90%

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B) 70%
C) 5%
D) 1%

82. BMR is dependent upon
A) body weight
B) surface area
C) amount of adipose tissue
D) amount of lean body mass

83. Which of the following agents is related to hallucinogens?
A) morphine
B) LSD
C) cocaine
D) opium

84. Myocardium is a special muscle tissue found only in the
A) brain
B) heart
C) stomach
D) Lungs

85. Streptomycin cannot be given orally for the treatment of tuberculosis because
A) it gets degraded in the GIT
B) it causes severe diarrhoea
C) it causes metallic taste in the mouth
D) it is not absorbed from the GIT

86. Redman syndrome is associated with which of the following drug?
A) vancomycin
B) Linezolid
C) Azithromycin
D) Rifamycin

87. Which of the following drugs is used for candidiasis treatment?
A) Griseofulvin
B) Nitrofungin
C) Myconazole
D) Streptomycin

88. Advantages of anti hypertensive drug combination exclude
A) improve patient compliance
B) more efficacious and render therapeutic synergy
C) reduce the duration of treatment
D) incorporates lowest effective those of drugs

89. Which one of the following drugs does not act through G protein coupled receptors?
A) Epinephrine
B) Insulin
C) Dopamine
D) TSH

90. Which of the following drugs act by inducing Lipocortins?
A) Glucocorticoids
B) insulin
C) Vasopressin
D) Ampicillin

91. Which of the following avoid first pass effect of the drugs?
A) oral ingestion
B) rectal suppository
C) intravenous injections
D) none of the above

92. What is the pH level of intestinal juice?
A) 6.4 – 6.5
B) 2 - 4
C) 7 - 9
D) 5 - 10

93. How many ventricles present in the human brain?

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A) 2
B) 4
C) 3
D) 5

94. Hormones level elevated in shock exclude
A) vasopressin
B) adrenalin
C) Cortisol
D) calcitonin

95. Warfarin is absolutely contraindicated in
A) first trimester of pregnancy
B) third trimester of pregnancy
C) during breast feeding
D) none of the above

96. Amantadine is used in clinical settings as
A) anti Parkinson drug
B) anti influenza drug
C) both anti Parkinson and anti influenza drug
D) none of the above

97. Which word describes an illness slow onset? and long duration
A) chronic
B) acute
C) pandemic
D) epidemic

98. Stevens Johnson Syndrome is the most common adverse effect associated with one of the following category of drugs
A) sulphonamides
B) penicillins
C) macrolides
D) Tetracyclines

99. Antacid that causes constipation
A) calcium carbonate
B) magnesium tri silicate
C) aluminium hydroxide
D) sodium Bicarbonate

100. Gatifloxacin has been withdrawn from market because
A) causes renal failure
B) causes peripheral vascular disease
C) causes erectile dysfunction
D) hyperglycemia in elderly

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PHARMACIST TEST PAPER -24

1. **Sucralfate can be used with**
   A) Famotidine
   B) Omeprazole
   C) Antacid
   D) Misoprostol

2. **Example of antifungal agent in exclude**
   A) Ketoconazole
   B) Co-trimoxazole
   C) Itraconazole
   D) Fluconazole

3. **Acyclovir is effective in**
   A) chicken pox
   B) Orolabial herpes
   C) cytomegalovirus
   D) human immunodeficiency virus

4. **The recommended duration of Isoniazid chemoprophylaxis is**
   A) 16 months
   B) 24 months
   C) 36 months
   D) 12 months

5. **Drug that act as anti TNF - Alpha is**
   A) Etanercept
   B) Ankinra
   C) Auronofin
   D) Valdecoxib

6. **Dipeptidyl peptidase - IV inhibitor is**
   A) Chlorpropamide
   B) Gliclizide
   C) Sitagliptin
   D) Pioglitazone

7. **Topical anti-virus agent that causes punctate keratopathy is**
   A) Acyclovir
   B) formivisen
   C) Cidofovir
   D) trifluridine

8. **More objective and widely accepted type of clinical trial is**
   A) single blind study
   B) double blind study
   C) open trial
   D) multicentric open trial

9. **Which of the following does not cause hyperglycemia?**
   A) pentamidine
   B) thiazide
   C) Diazoxide
   D) quinine

10. **Hypothyroidism can be caused by**
    A) PAS
    B) Resorcinol
    C) Amiodarone
    D) cimetidine

11. **Mebendazole is active against following infestations except**
    A) stroglyoides stercoralis
    B) round worm
    C) hook worm
    D) trichuris trichura

12. **Which of the following is not a prodrug?**
    A) Enalapril
    B) Oxcarbazepine
    C) Chloralhydrate
    D) diazepam

13. **Which is the shortest acting mydriatic?**
    A) Atropine
    B) tropicamide
    C) cyclopentolate
    D) homatropine

14. **Lignocaine can cause**

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A) cardiac arrest
B) syncope
C) convulsions
D) all of the above

15. All are surface anaesthetics except
A) Lignocaine
B) Bupivacaine
C) Lidocaine
D) cinchocaine

16. Source of curare
A) South American plant
B) South African plant
C) Himalayan plant
D) synthetic

17. Iron is stored in
A) RBC
B) reticulo-endothelial system
C) plasma
D) all

18. Prolactin secretion is inhibited by
A) dopamine
B) metoclopramide
C) TRH
D) ACTH

19. Which drugs should not be given along with Levodopa?
A) Carbidopa
B) MAO inhibitors
C) Atropine
D) beneserzide

20. Which of the following are side effects of flumazenil?
A) nausea
B) headache
C) withdrawal seizure
D) dizziness

21. Which drug does not cause platelet dysfunction?
A) Aspirin
B) Ibuprofen
C) Acetaminophen
D) All of the above

22. In infants extracardiac digitalis toxicity is manifested by
A) vomiting
B) blurring of vision
C) convulsions
D) rashes

23. Most potent vasopressor is
A) angiotensin II
B) rennin
C) Aldosterone
D) Cortisol

24. A 50 year old man has a history of frequent episodes of renal colic with high calcium renal stone. The most useful agent in the treatment of recurrent calcium stones is
A) Mannitol
B) Furosemide
C) hydrochlorothiazide
D) Acetazolamide

25. Sulpha drugs act by
A) Covalent modification
B) Non competitive inhibition
C) Allosteric modification
D) competitive inhibition

26. Metabolism of chloramphenicol is by
A) Glucuronide conjugation
B) oxidation
C) acetylation
D) sulfation

27. Which drug is most active against intracellular mycobacteria?

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A) Rifampicin
B) Isoniazide
C) Ethambutol
D) Pyrazinamide

28. Chloroquine in large doses causes
A) Irreversible retinopathy
B) cataract
C) corneal deposits
D) Glaucoma

29. Baclofen is given in
A) cerebral palsy
B) Infective Polyneuritis
C) C.J. Disease
D) Cerebral Tumours

30. Drug which enhances sports performance
A) Erythropoietin
B) Propranolol
C) Clabeterol
D) Aspirin

31. Atracurium is eliminated from the body by
A) renal excretion
B) hepatic excretion
C) both renal and hepatic excretion
D) hoffman degradation

32. Central muscle relaxants act by
A) decreased nerve conduction
B) inhibit spinal post synaptic reflexes
C) blocks conduction across NM Junction
D) CNS depression

33. Choose the drug ineffective in psoriasis
A) Alefacept
B) Methotrexate
C) Efalizumab
D) Infliximab

34. Alkaloid used in Amoebiasis
A) dehydroemetin
B) dihydroemetin
C) emetine
D) pentamidine

35. Maximum nicotinic effect is seen with
A) Pilocarpine
B) Carbachol
C) Bethanechol
D) Methacholine

36. Heparin is
A) polysaccharide
B) lipoprotein
C) Monosaccharide
D) polyenoic acid

37. The extraction process where powder crude drug is kept in contact with suitable solvent for suitable time
A) percolation
B) Decoction
C) Maceration
D) Reverse percolation

38. Parasympathomimetics drugs causes
A) Bronchodilation
B) Mydriasis
C) Bradycardia
D) constipation

39. Spherical shaped bacteria are termed as
A) Bacilli
B) Cocci
C) spirochaetes
D) vibrios

40. An amino acid considered as a lipotropic factor is
A) Methionine
B) Tryptophan
C) Histidine
D) serine

41. Wilm's tumour is also known as

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A) hepatoblastoma
B) nephroblastoma
C) neuroblastoma
D) oxioblastoma

42. Narcotic analgesic is
A) Reserpine
B) papaverine
C) Quinine
D) Morphine

43. mRNA is synthesized in the nucleus as
A) tmRNA
B) snRNA
C) scRNA
D) hnRNA

44. The component of tablet machine which controls the shape and size of the tablet is
A) Hopper
B) punches
C) cam track
D) Dies

45. The other name for sub stockist is
A) accredited wholesale dealer
B) wholesale dealer
C) Supreme distributor
D) Clearing and forwarding agent

46. The substances that induce division of lymphocytes are called
A) super antigens
B) Inducers
C) multiple antigens
D) Mitogens

47. The order of Acetic acid in degrading Aspirin indicates
A) dissolution problem
B) solubility problem
C) stability problem
D) disintegration problem

48. On the label of schedule G drug which among the following should not be present
A) symbol in red
B) date of expiry
C) potency in units
D) manufacturing or import licence number

49. The access amount of _____ marks the end point in sodium nitrite titrations
A) sulphuric acid
B) nitric acid
C) nitrous acid
D) sulphurous acid

50. The term "to adorn" is related to
A) cosmetics
B) energy supplements
C) nutraceuticals
D) injectables

51. Disorganization of native protein structure is known as
A) denaturation
B) flocculation
C) precipitation
D) agglutination

52. Which among the following is used as a density modifier?
A) carbomer
B) Povidone
C) xylene
D) Dextrose

53. Presbycusis disorder is related to which organ
A) Eye
B) Ear
C) Tongue
D) Nose

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54. The podophyllin tincture preparation is used specifically as
A) Detergent
B) topical anti infective
C) genital warts remover
D) topical protectant

55. Which among the following is also known as a natural detergent?
A) Flavone glycoside
B) Phenol glycoside
C) Cyanogenetic glycoside
D) saponin glycoside

56. Which among the following is a weak reinforce?
A) Morphine
B) Benzodiazepine
C) cocaine
D) Heroin

57. Cycloserine is an inhibitor of
A) Alanine racemase
B) acetyl cholinesterase
C) arabinosyl transferase
D) aldehyde dehydrogenase

58. The hormone stimulating the uterine smooth muscle is
A) calcitonin
B) Oxytocin
C) prolactin
D) thyroxine

59. The method of market research used after the released and successful running of the advertisement is called
A) recognition test method
B) opinion method
C) memory test method
D) recall method

60. The budget plan dealing with the cost of Merchandise or services provided is known as
A) static budget
B) financial budget
C) cash budget
D) operating budget

61. The commonly used method to reduce the particle size and grittiness of the added powders in small scale ointment preparations is
A) Trituration
B) spatulation
C) communition
D) levigation

62. Which among the following schedule drugs do not need cautionary labelling?
A) Schedule G
B) Schedule X
C) schedule H
D) schedule B

63. Which among the following is a trimethylxanthene?
A) Theophylline
B) Theobromine
C) Amphetamine
D) Caffeine

64. Weak organic acids are generally
A) Protophilic solvents
B) Amphiprotic solvent
C) protogenic solvents
D) aprotic solvent

65. The diuretic drug clinically used for glaucoma therapy is
A) Chlorthalidone
B) furosemide
C) amiloride
D) Dorzolamide

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66. Which of the following chemical agents is used for Breaking Down C terminal end of polypeptides into smaller fragments?
A) Cyanogen bromide
B) sodium thiosulphate
C) hydrogen peroxide
D) hydrogen sulphide

67. Which committee among the following was referred for the study of hospital manufacturing, based on feasibility, finance implication etc?
A) Mudaliar committee
B) Mysore committee
C) Hathi committee
D) Chopra committee

68. Insulin shock is an example of
A) anaphylactic shock
B) neurogenic shock
C) metabolic shock
D) septic shock

69. The Corynebacterium diphtheria is a/an
A) Gram Positive bacilli
B) fungi
C) Gram Negative bacilli
D) acid fast bacilli

70. Which among the following elements causes interactions with digitalis?
A) potassium
B) sodium
C) calcium
D) chloride

71. The instrument used for dry mixing, prior to granulation is
A) roller compactor
B) lodige mixer
C) Sigma blade
D) gral mixer

72. The Solubility of morphine in sodium hydroxide indicates the presence of
A) amine
B) carboxylic acid
C) amide
D) Phenol

73. Which among the following is an acridine containing reversible anticholinesterase?
A) Parathion
B) Tacrine
C) Endrophonium
D) Pyridostigmine

74. Which among the following is not the ketone body found in urine?
A) Acetoacetic acid
B) Acetone
C) beta-hydroxy butyric acid
D) Acetophenone

75. The most abundant dietary source of energy are
A) vitamins
B) lipids
C) carbohydrates
D) proteins

76. The contraction of cardiac muscle fibres in a disorderly sequence results in the condition called
A) hypercholestremia
B) fibrillation
C) asystole
D) heart block

77. Marketplace dispensaries represent which of the following functional types of location?
A) subcipient location
B) urban location
C) interceptive location
D) generative location

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78. The substance covering the root of the tooth is
A) pulp
B) cementum
C) enamel
D) dentine

79. The flavonoids present in pterocarpus is
A) epicatechin
B) malvidin
C) luteolin
D) naringenin

80. The iron produced by the reaction of perchloric acid with acetic acid is
A) acetonium ion
B) acetoyl ion
C) acetyl ion
D) acetate ion

81. Which among the following anti psychotic drug has phenothiazine with aliphatic side chain?
A) Thiothixene
B) Haloperidol
C) thioridazine
D) chlorpromazine

82. The acid fast stain was discovered by
A) Pauling
B) Ehrlich
C) Hewitt
D) Schultz

83. Which among the following is not a water miscible solvent used in sterile products?
A) Isopropyl myristate
B) Ethyl oleate
C) Benzyl benzoate
D) Dimethyl acetamide

84. For gaseous sterilization, formaldehyde gas is generated by adding_____ to Formalin
A) potassium permanganate
B) nitrogen
C) ethylene oxide
D) carbon dioxide

85. Which among the following is a Gastro intestinal peptide hormone?
A) Kallidin
B) Gramicidin
C) Angiotensin
D) Secretin

86. Which of the following is an example of hygroscopic powder?
A) Sodium acetate
B) calcium chloride
C) ferrous sulphate
D) calcium lactate

87. The total hardness of water is determined by
A) non aqueous titration
B) diazotisation titration
C) redox titration
D) complexometric titration

88. The drug price control order 1995 was replaced by
A) DPCO 2008
B) DPCO 2015
C) DPCO 2010
D) DPCO 2013

89. The vestibular part of the ear connected with balance is
A) saccule
B) stapes
C) auricle
D) pinna

90. The Trans-isomer of oleic acid is

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A) linoleic acid
B) lauric acid
C) elaidic acid
D) palmitoleic acid

91. Which among the following part is a bony structure of the skull?
A) hypothalamus
B) cerebellum
C) Face
D) cerebrum

92. Iodine tincture is a/an
A) strong iodine solution
B) aqueous iodine solution
C) alkaline iodine solution
D) weak iodine solution

93. The activity metabolite of Primidone responsible for anti epileptic activity is
A) Phenytoin
B) Gabapentin
C) Phenobarbitone
D) Diazepam

94. The moment related to the bending of a body which termed as
A) eversion
B) Flexion
C) supination
D) pronation

95. Metformin is an example of
A) Thiazolidinedione
B) Meglitinide
C) Biguanides
D) sulphonylurea

96. In the national list of essential medicines As given in scheduled I, the non-specific antidote used is
A) calcium gluconate
B) Dimercaprol
C) activated charcoal
D) Methylene blue

97. Filamentous bacteria are called as
A) spirilla
B) actinomycetes
C) bacilli
D) vibrios

98. Which drug among the following is an adrenergic neuron blocker?
A) Guanethidine
B) Guanfacine
C) Decamethonium
D) Pentolinium

99. Which among the following acute toxicity tests is done in the quality control test department of a hospital?
A) Sterility
B) LAL
C) pyrogen presence
D) Histamine release

100. Which among the following is a respiratory pump muscle?
A) diaphragm
B) pharynx
C) Pleura
D) Larynx

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PHARMACIST TEST PAPER -25

1. **Castor oil produces laxative action due to its hydrolytic product named as**
   A) tannic acid
   B) alginic acid
   C) Riconoleic acid
   D) glycyrrhetinic acid

2. **The iron involved in the transformation of light to electrical impulses in retina is**
   A) iron
   B) fluorine
   C) calcium
   D) Iodine

3. **The main site of haemolysis is**
   A) Lungs
   B) pons
   C) spleen
   D) thymus

4. **In the tender system of hospital purchasing, the entire procedure is under the control of**
   A) administrator
   B) executive officer
   C) purchase manager
   D) pharmacist

5. **The time span between ordering raw materials and delivering end products to consumers is known as**
   A) stationary time
   B) process time
   C) lag time
   D) lead time

6. **In Suppository bases, cocoa butter is an example of**
   A) Fatty base
   B) water soluble base
   C) miscellaneous base
   D) Amphilic base

7. **In multiple dose immunisation, the first injection dose is known as**
   A) test dose
   B) secondary dose
   C) priming dose
   D) booster dose

8. **In a typical central sterile station, which among the following is not associated with the glove processing segment?**
   A) Packaging station
   B) powderer
   C) satin silk
   D) Glove washer drier

9. **The concept of designating acid as electron pair acceptor is known as**
   A) ahhrenius concept
   B) Usanovich concept
   C) bronsted concept
   D) Lewis concept

10. **Which among the following is an example of sublingual preparation?**
    A) Elixirs
    B) Aerosols
    C) Douches
    D) Lozenges

11. **The surfactant used as a wetting agent in oral suspensions is**
    A) sodium dioctyl sulpho succinate
    B) sodium lauryl sulphate
    C) quilaia
    D) polysorbate

12. **Which drug interaction in the following is an example of a pharmacodynamic interaction?**
    A) warfarin + ciprofloxacin
    B) Phenytoin + cotrimoxazole
    C) tetracycline + sucralfate
    D) clonidine + chlorpromazine

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13. Which of the following are the polysaccharide complexes formed from sugar and uronic acid units?
A) volatile oil
B) Tannins
C) alkaloids
D) mucilages

14. Which preservative among the following is an example of acidic preservative?
A) Chlorocresol
B) chlorbutanol
C) Thiomersal
D) Benzyl alcohol

15. **Which of the following is an example of the enzyme class known** as transferase?
A) Phosphorylase
B) Urease
C) Fumarase
D) Lipase

16. Commercial boric acid should be boiled to expel
A) hydrogen gas
B) glycerol
C) ammonia
D) hydrogen sulphide

17. During shipping and storing, hydrogen peroxide is packed in _____ containers
A) tin
B) Aluminium
C) Plastic
D) glass

18. The method by which extract is obtained by soaking and agitating the solvent and plant materials together is called
A) percolation
B) maceration
C) gel filtration
D) counter current extraction

19. The primary staining of bacteria is done with
A) crystal Violet
B) safranine
C) carbolfuschin
D) neutral Red

20. Which among the following is an example of respiratory adjuvant?
A) Silicon dioxide
B) berylium sulphate
C) aluminium hydroxide
D) barium sulphate

21. Cleft palate is a teratogenic abnormality caused by
A) aspirin
B) phenytoin
C) indomethacin
D) warfarin

22. B - lymphocytes are developed in the
A) spleen
B) thymus
C) bone marrow
D) liver

23. The simplest form of glycolipid is
A) chylomicron
B) cerebroside
C) plasmalogens
D) cephalin

24. EDTA titration is otherwise known as
A) redox titration
B) diazotisation titration
C) complexometric titration
D) nonaqueous titration

25. Which among the following is not the mechanism of inorganic antimicrobial?
A) halogenation
B) protein binding

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C) reduction
D) oxidation

26. Which of the following amino acid has a bitter taste?
A) alanine
B) glycine
C) arginine
D) D-Leucine

27. In the total cost of the product calculation which among the following is not a variable cost?
A) utility expenses
B) administrative expenses
C) wages
D) raw material cost

28. Organ superiorly associated with the spleen is
A) large intestine
B) pancreas
C) fundus
D) diaphragm

29. Hydrogen peroxide solution is estimated by
A) Iodine
B) potassium permanganate
C) cerric Ammonium Sulphate
D) potassium dichromate

30. The compound added during cyanide poisoning for easy excretion of poison through urine is
A) sodium hydroxide
B) sodium bicarbonate
C) sodium thiosulphate
D) sodium metabisulphite

31. A healthy non infected minor wound is dressed by
A) saline gauze dressing
B) composite dressing
C) paraffin gauze dressing
D) film dressing

32. Ointments is prepared by _____ method
A) dilution method
B) spatulation method
C) melting method
D) Trituration method

33. Solution not having the same osmotic pressure
A) Iso-osmotic
B) hypotonic
C) paratonic
D) hypertonic

34. Physical incompatibility may be corrected by
A) change of the ingredients in the prescription
B) using the non active encipients
C) Change in the form of ingredients
D) All of these

35. Which is Emulsent hydrophilic property?
A) having HLB value 8 - 18
B) having HLB value 0 - 8
C) having HLB value 4.7
D) having HLB value more than 18

36. The capsule number 00 is having the capacity
A) 650 mg
B) 450 mg
C) 950 mg
D) 150 mg

37. For mineral oil as an emulsifying agent, the ratio of Oil : Gum : Water is
A) 4 : 2 : 1
B) 2 : 2 : 1
C) 3 : 1 : 2
D) 3 : 2 : 1

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38. The first USP was published in
A) English
B) Latin
C) French
D) English and Latin

39. Hydrolytic resistance test is performed on glass in order to find out
A) mechanical strength
B) alkali liberated by it
C) Quality
D) limit of alkali liberated by it

40. Give the name of the mill in which no wear occurs
A) Ball mill
B) Roller mill
C) Fluid energy mill
D) Edge Runner mill

41. In the cyclone separator, the powder is separated depending upon its
A) particle size
B) shape of powder
C) particle size and density of the particle
D) density of the particle

42. Rate of filtration is not directly proportional to
A) particle size
B) thickness of the cake
C) Pressure
D) temperature

43. Fine powder should pass through sieve number
A) 120
B) 85
C) 60
D) 44

44. Which chemical compound is known as Muriatic acid?
A) boric acid
B) hydrochloric acid
C) sulphuric acid
D) calcium hydroxide

45. Which drug is used in athlete's feet?
A) sodium hydroxide
B) sodium bicarbonate
C) sodium thiosulphate
D) magnesium trisilicate

46. Which compound protects from harmful UV radiation?
A) titanium dioxide
B) Calcium oxide
C) zinc sulphate
D) calcium carbonate

47. Which chemical compound is used as a astringent?
A) Zinc stearate
B) zinc chloride
C) zinc sulphate
D) zinc oxide

48. Which chemical substance gives a blue colour on treatment with starch?
A) Hydrochloric acid
B) sodium hydroxide
C) talc
D) Iodine

49. Which substance counteract poison?
A) sodium nitrate
B) sodium metaphosphate
C) sodium metabisulphite
D) sodium citrate

50. Which sulfonamide is used as diuretic?
A) Mephobarbitone
B) spironolactone
C) Furosemide
D) sulfaguanidine

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51. Which compound is used for the treatment of cycloplegia?
A) Atropine
B) pilocarpine
C) Ephedrine
D) Tolazoline

52. Which is a narcotic analgesic?
A) Codeine
B) Aspirin
C) Pentazocine
D) Indomethacin

53. Menadione is also known as
A) vit. - K1
B) Vit. - K2
C) Vit - K3
D) Vit. - K4

54. Which drug is used for general anaesthesia?
A) lignocaine
B) trichloro ethylene
C) practolol
D) Coramine

55. Histamine is secreted from
A) Histone tissue
B) Epithelial cells
C) Mast cells
D) Plasma cells

56. Which is a diagnostic agent?
A) fluoro uracil
B) Bishydroxy coumarin
C) Propyliodone
D) Coramine

57. Name the main chemical constituent of senna?
A) sennoside A and B
B) vinenistine
C) Ergotoxine
D) Volatile oil

58. What is the use of Acacia?
A) cancer
B) demulcent
C) hypertension
D) antiseptic

59. Name the antibiotic drug among them
A) Acacia
B) benzoin
C) Tragacanth
D) Vasalla

60. Name the umbeliferous drug from it
A) Tragacanth
B) Gum Acacia
C) Caraway
D) Guggul

61. What is the use of Nux-vomica?
A) Carminative
B) laxative
C) Bitter tonic
D) Antiseptic

62. What is the use of Ashwagandha?
A) antispasmodic
B) disinfectant
C) Purgative
D) Aphrodisiac

63. What is the use of the drug Arjuna?
A) Carminative
B) hypotension
C) disinfectant
D) astringent

64. Which is the smallest functional unit of the body?
A) Tissue
B) cell
C) organ
D) Nucleus

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65. Which is the largest gland in the body?
A) stomach
B) small intestine
C) liver
D) heart

66. Which is the longest bone in the body?
A) Humerus
B) pelvis
C) Femur
D) Tibia

67. Thorax contents _____ number of ribs.
A) 20
B) 18
C) 24
D) 30

68. RBC is also called
A) Erythrocytes
B) leukocytes
C) Thrombocytes
D) granulocytes

69. What is the volume of tidal air?
A) 500 ml
B) 1000 ml
C) 1500 ml
D) 700 ml

70. Which hormone controls the secretion of thyroid?
A) thyrotropic hormone
B) FSH
C) Aldosterone
D) thyroxine

71. If the drug is an imitation or a substitute to another drug then it is called
A) Misbranded
B) Spurious
C) Adulterate
D) Generic

72. Under which form the schedule X drug licence for retail sale is issued
A) Form 19 C
B) Form 20 A
C) Form 20 F
D) Form 19 A

73. Which year the NDPS Act was passed?
A) 1980
B) 1985
C) 1991
D) 1975

74. Which year the MTP act was passed?
A) 1971
B) 1985
C) 1956
D) 1995

75. The Maximum number of partners allowed in a general business is
A) 10
B) 20
C) 50
D) 100

76. Mention the items which cannot be represented by inventory carrying cost
A) salaries of storekeeper
B) paper and its typing
C) rent of storage
D) losses in storage

77. A drug store is called an ideal drug store if its inventory is
A) in excess
B) Inadequate
C) Meagre
D) at level between excessive and inadequate

78. Revenue is generally recognised at the point of sale. which concept is applied in this case?

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A) Matching
B) Going concern
C) Revenue Realisation
D) Money Measurement

79. The concept that business enterprise will not be sold or liquidated in the near future is known as
A) accounting period
B) Going Concern
C) Cost
D) Money Measurement

80. A ledger is a book of
A) original entry
B) secondary entry
C) all cash transactions
D) petty cash transactions

81. A source of document for recording entries in the purchases return journal is generally
A) a credit note
B) an invoice
C) a bill
D) a debit note

82. The purchase book is kept to record
A) all purchases of books
B) all credit purchases
C) all cash purchases
D) all credit purchases of goods only

83. Oral route is the most commonly used route of Drug Administration because
A) it produces slow onset of action
B) hormones can be easily administered
C) drugs can be easily administered in unconscious patient
D) it is safe, convenient and economic route

84. Which of the following statement is correct?
A) intravenous route gives 100% bioavailability
B) inhalation has the disadvantage of very slow administration
C) Nitroglycerin is commonly administered by rectal route
D) intramuscular route gives 100% bioavailability

85. Which of the following beta blockers is used in glaucoma?
A) Propranolol
B) Atenolol
C) pindolol
D) timolol

86. Digoxin is the cardiac glycosides of choice because
A) it has quick onset and short duration of action
B) it is a long acting digitalis preparation
C) it has less toxicity
D) it has few side effects

87. Which is a complete protein
A) Globulin
B) casein
C) Glutelin
D) Mucin

88. How many ATPs are released in kreb's cycle
A) 15
B) 25
C) 301
D) 2

89. Which is/are non essential amino acids?
A) Lysine
B) Glutaric acid
C) Aspartic acid
D) both B and C

90. Maltose is made up of ____ and ____

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A) Glucose and Glucose
B) Glucose and Galactose
C) Lactose and sucrose
D) Fructose and Lactose

91. Starch is made up of
A) glucose and fructose
B) Amylose and amylopectin
C) dextrose and ribose
D) all of these

92. Which is an essential fatty acid ?
A) Oleic acid
B) Linoleic acid
C) Linoleic acid
D) All of these

93. Which is optically inactive?
A) Alanine
B) Methionine
C) Glycine
D) All of these

94. Normal value of platelets in an adult human is
A) 1.5 – 1.5 lakh/cumm
B) 1.5 – 3.5 lakh/cumm
C) 3.5 – 5.5 lakh/cumm
D) 4000 – 11000 / cumm

95. Disinfecting action of chlorine on water is mainly due to
A) hydrogen chloride
B) hychlorous acid
C) Hypochloride ions
D) chloride ion

96. licence for wholesale of drugs specified in schedule C & C1 is issued in form
A) 20 A
B) 22 B
C) 21 B
D) 22 A

97. Mechanical strength of the tablet is checked by
A) hardness tester
B) Friability tester
C) Disintegrator
D) None of the above

98. A patient ask for a preparation as a vaginal cream for candidiasis which product is the most appropriate
A) Canesten
B) Ortho-Gynest
C) Eurax
D) Bactroban

99. Immunoglobulin found in allergic condition is
A) IgM
B) IgE
C) IgD
D) IgA

100. The capacity of bladder is about
A) 100 ml
B) 500 ml
C) 200 ml
D) 1 litre

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PHARMACIST TEST PAPER -26

1. **Water as vehicle can transmit all except**
   A) polio
   B) diarrhoea
   C) tetanus
   D) round waro

2. **Pivmecillianam is prescribed at 20 mg/kg in three divided doses.the individual dose (mg) to be administered to a patient weighing 12 kg is**
   A) 8
   B) 80
   C) 240
   D) 800

3. **DNA is mainly present in**
   A) ribosome
   B) nucleus
   C) plasma membrane
   D) none of these

4. **In lower urinary tract infection which oral antibiotic is not used?**
   A) Amoxicillin
   B) Cefalexin
   C) Nitrofurantoin
   D) Tetracycline

5. **Caustic soda is synonym of**
   A) NaOH
   B) HCL
   C) CaCO7
   D) I2

6. **Betamethasone and Prednisolone are used in**
   A) infection
   B) inflammation
   C) ulcer
   D) none of these

7. **power of the inspectors appointed under the drugs and cosmetics act 1940 are mentioned in which of the following section of the act?**
   A) 20
   B) 21
   C) 22
   D) 23

8. **Naphazoline is used in**
   A) asthama
   B) hypotension
   C) Nasal congestion
   D) Hay fever

9. **Patient asked for ibuprofen gel. The pharmacist may dispense**
   A) Oruvail
   B) Voltarol
   C) Dubam
   D) Ibutop

10. **The most important component of human gamma globulin is**
    A) Immunoglobulin G
    B) Immunoglobulin M
    C) Immunoglobulin A
    D) Immunoglobulin E

11. **What is the source of carbon atoms in cholesterol?**
    A) Acetyl - CoA
    B) Lanosterol
    C) Squalene
    D) Mevalonic Acid

12. **Fluid part of blood devoid of corpuscles is called**
    A) Serum
    B) Plasma
    C) Lymph
    D) Tissue fluid

13. **Ibuprofen is a**

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A) 2-(4-propylphenyl) propionic acid
B) 2-(4-Isobutylphenyl) propionic acid
C) 2-(4-Ethylphenyl) propionic acid
D) 2-(4-Hexylphenyl) propionic acid

14. Which of the following is rational for a patient taking cardiac glycoside?
A) High sodium, low potassium , high fat
B) Low sodium , low potassium , low fat
C) High iron , High calcium , high potassium
D) Low sodium , High calcium , low fat

15. During starvation the level of _____ in the blood decreases
A) Ammonia
B) Creatine
C) chloride and glucose
D) Uric acid

16. A patient is prescribed Prednisolone 10 mg daily for 16 days. Prednisolone is available as 5 mg enteric coated tablets. how many tablets of deltacortril have to be dispensed?
A) 10
B) 16
C) 32
D) 100

17. Streptomycin is effective against
A) gram + ve bacteria only
B) gram - ve bacteria only
C) gram + ve and gram - ve bacteria
D) effective against virus

18. The body fluids found within cells is called
A) plasma
B) extracellular fluid
C) interstitial fluid
D) intracellular fluid

19. Infantile myoclonus is best treated with
A) clonazepam
B) Diazepam
C) Phenytoin
D) Phenobarbitone

20. hepatitis is characterised by
A) inflammation of lungs
B) skin rashes
C) inflammation of liver
D) Edema

21. The label "shake well before use" is indicated on the mixture containing
A) soluble medicament
B) potent medicament
C) diffusible medicament
D) miscible liquid

22. Indian Belladonna contains alkaloid
A) Atropine
B) Strychnine
C) Cephaline
D) Narcotine

23. Which one of these is unsaturated fatty acid?
A) palmitic acid
B) stearic acid
C) Oleic acid
D) lauric acid

24. Pancreas secretes hormones which help in
A) blood clotting
B) production of antibodies
C) growth of body
D) keeping sugar balance in body

25. What is the maintenance dose of Roxatidine?
A) 150 mg three times a day
B) 75 mg three times a day
C) 150 mg twice a day
D) 75 mg at bedtime

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26. Usually the dose of intravenous amikacin sulphate to be administered to the children is
A) 1 – 2 mg/kg/day
B) 30 – 40 mg/kg/day
C) 15 – 20 mg/kg/day
D) 8 – 10 mg/kg/day

27. Choose the drug which is used in the treatment of Hodgkin's disease and leukaemia in children
A) vinca
B) ginger
C) Linseed
D) Digitalis

28. Which of the following symptoms is not specific of drug habituation?
A) no tendency to increase the drug dose
B) none or mild drug withdrawal symptoms
C) has desire for drug but no compulsions
D) tendency to increase the drug dose

29. Which of the following produces vasoconstriction as the most prominent action?
A) sodium Nitroprusside
B) Angiotensin- II
C) phenoldopa
D) Nacardipine

30. What is the name of type of Drug Administration in which the drug is deposited in the loose tissue under the skin which is richly supplied by nervous but is less vascular?
A) Intradermal
B) Subcutaneous
C) Intrathecal
D) Intravenous

31. For the management of Asthamatic cough, which of the following is a right treatment approach?
A) Antibiotics
B) Proton pump inhibitor
C) Inhaled B2 agonist
D) H2 blockers

32. Methadone helps in recovery of which of the following type of drug dependence?
A) morphine type
B) cannabis type
C) cocaine type
D) Amphetamine type

33. Among the following antidepressant psychotropic drugs, which one belongs to the classification of monoamine oxidase inhibitors?
A) Fluoxetine
B) Caffeine
C) Amphetamine
D) Tranylcypromine

34. common side effects of anti cancer medicines
A) nausea and vomiting
B) diarrhoea
C) hair loss
D) all of these

35. The route of administration of human monovalent live vaccine (RV1) for rotavirus is
A) intradermal
B) intramuscular
C) oral
D) subcutaneous

36. Repeated administration of drugs results in cell receptor blockage this is known as
A) Tachyphylaxis
B) tolerance
C) idiosyncrasy

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D) synergism

37. Cancer chemotherapy can be curative in all of the following disseminated Neoplasm except
A) Hodgkin's disease
B) choriocarcinoma
C) colonic cancer
D) testicular cancer

38. Parkinsonism is the common neurological movement disorder both L - dopa and carbidopa are used. carbidopa is used because
A) it crosses blood brain barrier
B) it inhibits aromatic laminacid decarboxylase
C) it inhibited MAO-A
D) it inhibited MAO-B

39. **Neurotransmitter which is** sympathetic
A) Acetylcholine
B) Nor-adrenaline
C) Glutamine
D) Glycine

40. The medicinal agents used for the increase in urine output is known as
A) urinary antiseptic
B) diuretics
C) stimulants
D) antiseptics

41. Which among the following is an antihistaminic drug?
A) Diphenhydramine
B) Chlordiazepoxide
C) Pilocarpine
D) Amphetamine

42. The presence of pathogenic bacteria in the blood is called
A) toxemia
B) septicemia
C) Bacteremia
D) Anaemia

43. EEG is utilised to diagnose the diseases associated with the
A) heart
B) Kidney
C) Abdomen
D) Brain

44. A preparation containing killed or attenuated viruses is termed as
A) vaccine
B) antiserum
C) Toxin
D) Toxoid

45. Passive immunity is obtained by injecting
A) antiserum
B) antigens
C) vaccines
D) antibodies

46. The therapeutic index of a drug is measured in its
A) safety
B) potency
C) efficacy
D) dose variability

47. The term bioavailability means the relative amount of drug that reaches
A) small intenstine
B) stomach
C) liver
D) systemic circulation

48. Antithyroids are drugs which diminish or abolish the action of indogenously released
A) Thyroxine
B) Insulin
C) Histamine
D) FCL

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49. The drug of choice to syphilis treatment is
A) Gentamycin
B) penicillin
C) chloramphenicol
D) doxycycline

50. The starting material for the synthesis of alprazolam is
A) 3 - amino 5- bromoacetophenone
B) 2 - amino 5 - chlorobenzophenone
C) 2 - amino 5 - bromoacetophenone
D) 3 - amino 5 - chlorobenzophenone

51. Improvement of memory in Alzheimer's disease is brought about by drugs which increase transmission in
A) cholinergic receptors
B) dopaminergic receptors
C) GABA receptors
D) adrenergic receptors

52. Isoniazide is a primary antitubercular agent that
A) Requires pyridoxine supplementation
B) causes ocular complications that are reversible if the drug is discontinued
C) is Ototoxic and nephrotoxic
D) Should never be used due to a hepatotoxic potential

53. Which of the drugs should be used cautiously in patient with sulpha drug allergy?
A) Insulin
B) Rifampicin
C) Zidovudine
D) Furosemide

54. Tocolytics are drugs which are used for
A) Uterine stimulants
B) bronchodilation
C) uterine relaxants
D) bronchoconstrictor

55. Sulpha drugs are associated with
A) Steven Johnsons syndrome
B) Erthyema Nodosum
C) haemolytic anaemia
D) all of the above

56. MESNA is used along with cyclophosphamide as to
A)Synergistic action
B) required for activation of cyclophosphamide
C) prevent haemorrhagic cystitis
D) none of the above

57. Starting material for amitriptyline is
A) Phthalic anhydride
B) Phthalamic acid
C) Terephthalic acid
D) Phthalimide

58. Codeine differs structure from morphine by
A) N-Methyl group
B) -Cl group
C) -OC2H2 Group
D) -OCH3 Group

59. A hypotonic solution can be made isotonic by the addition of
A) sodium chloride
B) potassium chloride
C) calcium chloride
D) magnesium chloride

60. Location of receptors for glucocorticoid hormones is
A) nucleus
B) cell membrane
C) mitochondria
D) cytoplasm

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61. Colloid particles have _____ type of rheology
A) Newtonian flow
B) Pseudoplastic flow
C) Non - Newtonian flow
D) Dilatent

62. Drugs in suspensions and semi solid formulations always degrade by
A) first order kinetics
B) second order kinetics
C) zero order kinetics
D) Non linear kinetics

63. A retardant material that forms a hydrophilic matrix in the formulation of matrix tablets is
A) H.P.M.C.
B) C.A.P.
C) Polyethylene
D) Carnauba wax

64. In nail Polish, following polymer is used as a film former
A) nitrocellulose
B) Poly lactic acid
C) hydroxypropyl methylcellulose
D) cellulose acetate phthalate

65. Class 100 facility is required for preparation of
A) parenteral
B) ophthalmic
C) both
D) none

66. Thermolabile substance can be sterilised by
A) Moist heat sterilisation
B) Dry heat sterilization
C) Membrane filtration
D) None

67. Sedimentation technique is used for
A) size separation
B) size reduction
C) distillation
D) decantation

68. The role of Borax in cold creams is
A) antimicrobial agent
B) to provide fine particle to Polish skin
C) In-situ emulsifier
D) antioxidant

69. Thioglycolic acid like compounds have applications in following type of cosmetic formulations
A) Depilatory preparations
B) Epilatory preparations
C) Vanishing creams
D) skin tan preparation

70. Anhydrous calcium chloride acts as
A) dehydrating agent
B) drug
C) oxidant
D) mordant

71. Sulpha drugs are titrated by which type of titration
A) Diazotization titration
B) Redox titration
C) Non-aqueous titration
D) Acid base titration

72. Saturated fatty acid with four carbon atoms is known as
A) acetic acid
B) butyric acid
C) Valeric acid
D) propionic acid

73. The hydrochloric acid in stomach is secreted by which type of cells
A) mucus neck cells
B) enterochromaffin (EC)Cells
C) enterochromaffin-like (ECL)Cells

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D) parietal cells

74. The hormones released from neurohypohysis are
A) anti diuretic hormone and oxytocin
B) follicles stimulating hormone and luteinizing hormone
C) thyroid stimulating hormone and prolactin
D) prolactin releasing hormone and growth hormone

75. Which of the following is in the normal range of weight of the right lung in an adult?
A) 1175
B) 625
C) 1345
D) 120

76. As in the arms and legs, blood flows against gravity and is prevented from flowing back by
A) the extremely low pressure of Venus blood
B) Valves
C) movements in the surrounding muscles
D) the narrowing down of the lumen of veins by the contraction of the muscle layer comprising their walls

77. Excessive consumption of ethanol causes damage to the
A) kidneys
B) lungs
C) heart
D) liver

78. What is funny bone?
A) A muscle
B) A Nerve
C) A bone
D) A blood vessel

79. Which of the following bone articulation forms the gliding joint?
A) Humerus and radius
B) carpals
C) Hip girdle and femur
D) skull and neck vertebrae

80. The total number of bones in human skull are
A) 8
B) 12
C) 22
D) 32

81. Which of the following glands controls the development of sex organs in human?
A) pancreas
B) thyroid
C) adrenal
D) pituitary

82. Which of the following components of blood protects human beings from infection?
A) plasma
B) blood platelets
C) haemoglobin
D) white blood cells

83. The diploid number of chromosomes in human body is
A) 24
B) 40
C) 46
D) 48

84. The chemical behaviour of morphine alkaloid is
A) acidic
B) basic
C) neutral
D) amphoteric

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85. Parietal cells secrets
A) Mucus
B) pepsinogen
C) Gastrin
D) Intrinsic factor

86. A synthesis of urea takes place in
A) liver
B) kidney
C) urinary bladder
D) gallbladder

87. Blood group antigen belongs to which of the following class of proteins?
A) Chromoproteins
B) Lipoprotein
C) Nucleoproteins
D) Glycoproteins

88. The normal range of HDL cholesterol in a male is
A) 30 to 60 mg/dl
B) 40 to 60 mg/dl
C) 120 to 140 mg/dl
D) 160 to 200 mg/dl

89. Which of the following is a heteroglycan?
A) starch
B) cellulose
C) Glycogen
D) Hyaluronic acid

90. Colour vision is by
A) Rod
B) Cones
C) Occipital cortex
D) Bipolar cells

91. Lower border of scapula is at the level of
A) T4
B) T3
C) T9
D) T7

92. Oral vaccine is
A) hepatitis A
B) hepatitis B
C) salk's vaccine
D) sabin’s vaccine

93. The receptors of pain is
A) Ruffini organs
B) Meckel's bodies
C) Golgi bodies
D) Free nerve endings

94. The metabolic fats of pyruvate in the anaerobic condition is formation of
A) ATP
B) Acetyl Co-A
C) Lactate
D) citric acid

95. Which one of the following is not a live at attenuated vaccine?
A) BCG
B) Measles
C) pertussis
D) oral polio

96. Enzyme referred as spreading factor
A) Heparin
B) Chondroitin
C) Hyaluronidase
D) Iduronic acid

97. The longest vein in human body is
A) IVC
B) Cephalic
C) Basilic
D) Long saphenous

98. Antigenic preparation made from extracellular toxins
A) Vaccines
B) Toxoids
C) Endotoxins
D) sera

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99. Spinal cord in infants extends up to the level of

A) lower border of L1 vertebrae
B) lower border of S1
C) upper border of S1
D) lower border of L3

100. The length of adult trachea is

A) 6 to 8 cm
B) 10 to 11 cm
C) 14 to 15 cm
D) 16 to 25 cm

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PHARMACIST TEST PAPER - 27

1. **Licence required to start a new retail drug Store Is issued by**
   A) drug controller
   B) drug inspector
   C) government analyst
   D) registrar of state pharmacy council

2. **The commonest form of malaria in India is caused by**
   A) plasmodium vivax
   B) plasmodium ovale
   C) plasmodium falciperum
   D) plasmodium Malaria

3. **Salbutamol is**
   A) non catecholamine and beta agonist
   B) catecholamine and beta agonist
   C) non catecholamine and alpha agonist
   D) catecholamine and alpha agonist

4. **Which one of these contains benzhydril group?**
   A) Histamine
   B) Diphenhydramine
   C) Dimenhydrinate
   D) Option (B) and (C)

5. **Which of the following is used as laxative?**
   A) sodium bicarbonate
   B) sodium trisilicate
   C) sodium potassium tartrate
   D) sodium hydroxide

6. **Sulphur is used in the treatment of**
   A) diabetes
   B) inflammation
   C) tuberculosis
   D) scabies

7. **Inorganic saline expectorant is**
   A) Ammonium chloride
   B) sodium bicarbonate
   C) sulphuric acid
   D) none of the above

8. **The injectable contraceptive is**
   A) Ethisterone
   B) Progesterone
   C) Depomedroxy progesterone acetate
   D) None of these

9. **Spinal cord ends at vertebral level of**
   A) T 11T 12
   B) T 12 L 1
   C) L1 L2
   D) L3 L4

10. **A mother request a preparation for her 5 year old son for a chesty cough.which of the following products is the most appropriate?**
    A) Benylin With codeine syrup
    B) Alupent syrup
    C) Actified chesty Coughs syrup
    D) Vicks Medinite syrup

11. **Pentoses and hexoses can be distinguished by one of the following test**
    A) Bial's test
    B) Molish test
    C) Seliwanoff's test
    D) benzidine test

12. **Nicotinic acid lowers down the**
    A) cholesterol level
    B) triglyceride level
    C) blood pressure
    D) none of these

13. **Which of the following is the most effective in inhibiting gastric acid secretion?**
    A) Ranitidine
    B) Famotidine
    C) Omeprazole

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D) Pirenzepine

14. Ibuprofen tablet belongs to schedule
A) X
B) G
C) H
D) B

15. The only artery which contains deoxygenated blood is
A) pulmonary artery
B) inferior vena cava
C) coronary artery
D) none of these

16. Route of administration for heparin and warfarin
A) I.V. , Oral
B) S.C. , I.M.
C) Oral , I.V.
D) none of these

17. Hetrazan drug is used in
A) Malaria
B) Filariasis
C) cholera
D) Typhoid

18. The average volume of blood in human body is
A) 5.5 litres
B) 4 litres
C) 10 litres
D) 6 litres

19. Poisonous drugs are covered in
A) schedule E
B) schedule F
C) schedule Y
D) schedule H

20. OTC drugs are
A) ethical drug
B) prescription drug
C) ethical and prescription drugs
D) non prescription drugs

21. Disposable plastic syringes are sterilised by
A) Autoclaving
B) Boiling with water
C) gaseous sterilisation
D) none of the above

22. Biotin structure is formed by fusion of
A) Imidazole and thiophene rings
B) Imidazole and furan rings
C) Imidazole and Indoles ring
D) Imidazole and purine rings

23. The normal level of calcium in blood plasma is
A) 9 – 11 mg/100ml
B) 20 – 40 mg/100ml
C) 30 – 40 mg/100ml
D) 100 mg / 100ml

24. All of the following statements concerning sulphonamides are correct except
A) Inhibit dihydrofolate reductase
B) crystalluria may occur
C) they are antimetabolites of PABA
D) they are bacteriostatic

25. Which of the following is not a macrolide antibiotic?
A) Erythromycin
B) spiramycin
C) Oleandomycin
D) Vancomycin

26. Long term use of Glucocorticoids induce
A) Hypotension
B) Hepatotoxicity
C) Osteoporosis
D) Bradycardia

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27. Clomiphene is used to treat infertility because its stimulates
A) LH secretion
B) follicular development
C) ovulation
D) uterus activity

28. Isoxuprine is used to treat
A) asthma
B) severe hypotension
C) nasal congestion
D) premature labour

29. The microorganism that can enter the body only through an injury is
A) Salmonella typhi
B) clostridium tetani
C) Clostridium botulinum
D) Streptococcus pyrogens

30. Platelets contain an enzyme which has an important role in clotting of blood. This enzyme is known as
A) Cholinesterase
B) Transaminase
C) Decarboxylase
D) Thrombokinase

31. In primary vaccination DPT is given as
A) three doses at one month intervals
B) three doses at three month intervals
C) five doses at one month intervals
D) single dose

32. The following are NSAIDS except
A) Ibuprofen
B) diclofenac sodium
C) Ketotifen
D) piroxicam

33. Dextromethorphan is used in cough syrups as
A) expectorant
B) mucolytic
C) bronchodilator
D) suppressant

34. The following are true of National Pharmaceutical pricing authority(NPPA)except
A) it is a statutory body
B) it can fund studies regarding pricing of drugs
C) it monitors drugs shortages and takes appropriate action to rectify it
D) it collects and maintenance data regarding the import and export of drugs

35. Poorly manufactured tablets may have small pinholes on the surface. This is phenomenon is known as
A) Picking
B) Mottling
C) Leaching
D) Cracking

36. Among the following preparations which one will be the most irritating to the eye?
A) purified water
B) 0.7% NaCl solution
C) 0.9% NaCl solution
D) 1% NaCl solution

37. Bubble point test is done to determine
A) the surface tension of the liquid in capillary tubes
B) the viscosity of the liquid in ampoules
C) The pH of a 1% solution
D) the volume of a solutions stored in a specific container

38. As per GMP, permitted limit of solid contents in water for injections is
A) 100 ppm
B) 1.0 ppm
C) 0.1 ppm
D) 10.0 ppm

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39. Which one of the following drugs is not a long acting benzodiazepine?
A) Diazepam
B) Clonazepam
C) Flurazepam
D) Midazolam

40. Which antibiotic is used for the treatment of both tuberculosis as well as leprosy?
A) Isoniazid
B) Rifampicin
C) Clofazimine
D) Ethionamide

41. All except _____ are antibiotics obtained from fungi
A) Penicillin
B) Griseofulvin
C) Cephalosporin
D) Bacitracin

42. Clavulanic acid or sulbactum is used in combination with amoxicillin against H influenzae because
A) clavulanic acid inhibits beta lactamase produced by H. influenza
B) clavulanic acid is acid resistant antibiotic
C) clavulanic acid is very susceptible to H. influenza
D) none of the above

43. Second line anti tubercular drug is
A) Streptomycin
B) Capreomycin
C) Ethambutol
D) Rifampin

44. All first line Anti- TB drugs are bactericidal except
A) INH
B) Rifampicin
C) Ethambutol
D) Pyrazinamide

45. In congestive cardiac failure, digitalis glycosides are used because it increases
A) Heart rate
B) Force of myocardial contraction
C) Venous pressure
D) cardiac filling pressure

46. In order to produce characteristic pharmacological action , a drug must always
A) reach high blood levels
B) absorb from GI tract readily
C) achieve adequate concentration at the site of action
D) excreted unchanged in urine

47. Heparin prevents blood coagulation by
A) inhibiting thrombin catalysed conversion of fibrinogen to fibrin
B) precipitate blood calcium thereby prevent coagulation reaction
C) inhibiting enzyme reactions
D) converting ionised calcium by chelation

48. Clinically used Uricosuric agent is
A) Diazepam
B) Sulfinpyrazone
C) Phenylbutazone
D) Phenytoin

49. The metal used in the treatment of rheumatoid arthritis is
A) Ag
B) Au
C) Cu
D) Sb

50. The drug very effective in the treatment of acute gout is
A) aspirin
B) acetaminophen
C) phenylbutazone

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D) Indomethacin

51. The anti tubercular drug inhibiting RNA synthesis
A) streptomycin
B) Ethambutol
C) chloramphenicol
D) Rifampicin

52. Agar is
A) pentapolysaccharide
B) oligopolysaccharide
C) homopolysaccharide
D) Heteropolysaccharide

53. Chemical formula for Talc is
A) 4MgO.4SiO2.H2O
B) 3MgO.3SiO2.H2O
C) 4MgO.3SiO2.H2O
D) 3MgO.4SiO2.H2O

54. Electrolyte concentration are expressed in
A) mol/L
B) mmol/L
C) mEq/L
D) mg/L%

55. Indigotindisulphonate is used for
A) determination of blood volume
B) determination of amyloidosis
C) determination of kidney function
D) determination of liver function

56. Which is not a property of tricyclic antidepressant?
A) they are metabolised in liver
B) they have low protein binding
C) they have high lipid solubility
D) they readily cross placenta

57. Which is selective antagonist of cholinergic Transmission in skeletal muscles?
A) Muscarine
B) Tubocurarine
C) Atropine
D) Carbachol

58. Timolol acts in glaucoma by
A) effecting change in Pupil size
B) effecting the tone of ciliary muscles
C) enhancing drainage of aqueous
D) by reducing aqueous formation

59. Joint state Pharmacy Council is formed
A) under president rule in state
B) in union territory
C) in two or more than two States
D) on order of Central Council

60. Schedule D in drug and cosmetic act refers to
A) list of poisonous substance
B) standard for surgical dressing
C) list of drug exempted from certain manufacturing provision
D) list of drugs exempted from import provision

61. The licence to manufacturer inbonded Laboratories is issued by
A) drug controller
B) Excise Commissioner
C) excise officer
D) excise inspector

62. Minimum number of PTC meetings which should be held early are
A) 2
B) 4
C) 6
D) 8

63. Wide mesh gauze dressing belongs to which class?
A) Non adherant
B) Absorptive

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C) Occlusive
D) Cream ointment and solution

64. In the working of cyclone separator the suspension of solid in gas is introduced through
A) Central opening at top of cylinder
B) tangential opening at the cylinder
C) conical and opening at the base
D) all of these

65. Anmiocentesis depicts
A) Hereditary disease
B) deformity of heart
C) deformity in brain
D) all of these

66. Weight variation in tablet processing is caused by all of the following except
A) non uniform granule size distribution
B) Poor flow of granules
C) higher speed of turret
D) presence of excessive Fines

67. L.S.D. is derived from
A) fungus
B) Bacteria
C) Alcohol
D) 2,4 -D

68. Angiology refers to
A) skeletal system
B) articular system
C) integumentary system
D) circulatory system

69. Powder of which all particles pass through sieve number 120 is said to be
A) moderately course particles
B) moderately fine particles
C) fine particles
D) very fine particles

70. The bacteria that commonly live in animal and human intestine is
A) Vibrio cholerae
B) Bacillus anthracis
C) Corynebacterium
D) Escherichia coli

71. Acidic buffer is a combination of
A) strong acid and its salt which strong conjugate base
B) strong acid and its salt with weak conjugate base
C) weak acid and its salt with strong conjugate base
D) weak acid and its salt with weak conjugate base

72. Vaccine developed by Pasteur was against
A) chicken pox
B) Anthrax
C) rabies
D) both B and C

73. At acidic pH, the amino acid is
A) in anionic form
B) in cationic form
C) In zwitter ion form
D) in salt form

74. An extraction process in which water is poured over drugs allowing close contact with stated period and finally filtering off liquid is called
A) Maceration
B) Percolation
C) Infusion
D) Digestion

75. Conversion of blastula into grastula is
A) Cleavage
B) Morphogenesis
C) Differentiation
D) Reproduction

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76. Study of nuclear cytology is
A) Neurology
B) Mycology
C) Rhinology
D) Karyology

77. Time required to kill a specific microorganism at a given temperature under specific condition is called
A) D value
B) Z value
C) inactivation factor
D) thermal death time

78. Which of the following lack blood supply?
A) bone
B) Connective tissue
C) Cartilage
D) All of the above

79. Colloidal silica is used as glidant in concentration of
A) 0.2 %
B) 0.5 to 2 %
C) 2 – 5 %
D) 5 – 7 %

80. Factors affecting size reduction include all the following except
A) stickiness
B) softening temperature
C) hardness
D) sublimation

81. Function of Golgi apparatus is
A) synthesis of ribosomes
B) synthesis of protein
C) breakdown of toxic substances
D) transport of protein

82. Saturated fatty acid Arachidonic acid contains ____ carbon atoms
A) 16
B) 18
C) 20
D) 22

83. Loss of Muscle Tone occurs in ____ stage
A) stage I
B) stage II
C) stage III
D) stage IV

84. Sporogony in malarial parasite occurs in
A) human liver
B) human red blood cells
C) stomach of female Anopheles
D) stomach wall of female Anopheles

85. Filter candles are made up of
A) thin flat cellulose acetate
B) metal rings
C) Borosilicate glass
D) Keiselgur

86. Active immunity may be gained by
A) vaccines
B) toxoids
C) natural infection
D) all of the above

87. Plasma has water to the extent of
A) 60%
B) 70%
C) 80%
D) 90%

88. Which ions are responsible for release of acetylcholine from neurons?
A) Sodium
B) calcium
C) potassium
D) Magnesium

89. Asava is which type of Ayurvedic dosage form

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A) solid
B) semisolid
C) liquid
D) powder

90. An ideal closure does all the following except
A) keeps product safe
B) allow entry of air
C) prevent particulate matter from entering into product
D) assist in proper use of product

91. Sublimed sulphur is used as
A) anti-seborrheic
B) anti-dandruff
C) anti-scabies
D) anti-alopecia

92. Virus are
A) obligate parasites
B) obligate saprophytes
C) partial parasites
D) facultative parasites

93. IP 2014 incorporates
A) 1550 monographs
B) 2050 monographs
C) 2550 monographs
D) 3050 monographs

94. Which is not a disease of erythrocytes?
A) leukaemia
B) anaemia
C) thalassemia
D) polycythemia

95. Sand fly is a causative agent of
A) Kala-azar
B) sleeping sickness
C) typhoid
D) dysentery

96. Sodium nitrite is _____ type of antidote
A) physical
B) chemical
C) physiological
D) pharmacological

97. The evaporating pan is heated with which of the following?
A) steam
B) liquified Petroleum gas
C) electric heaters
D) chemical combustion

98. Nissl granules occur in
A) bone cells
B) Mast cells
C) Nerve cells
D) chondrocytes

99. Indian Pharmacopoeia uses
A) Metric system
B) Avoirduposis system
C) Apothecaries system
D) All of the above

100. Plasmid are
A) virus
B) new type of microorganisms
C) extra chromosomal genetic element of bacteria
D) none of these

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PHARMACIST TEST PAPER - 28

1. **The Latin term for a mouthwash is**
   A) Auristille
   B) charta
   C) collyrium
   D) collutorium

2. **Tetracycline act by inhibition of protein synthesis by binding with**
   A) Acetyl CoA
   B) 30s ribosomal subunit
   C) 50s ribosomal subunit
   D) cell wall

3. **Total number of Phalanges in upper Limb is**
   A) 10
   B) 14
   C) 20
   D) 28

4. **Ringer injection IP is composed of**
   A) 8.6 gm/L NaCl + 0.30 gm/L KCl + 0.33 gm/L CaCl2
   B) 9.6 gm/L NaCl + 0.30 gm/L KCl + 0.33 gm/L CaCl2
   C) 0.30 gm/L NaCl + 8.6 gm/L KCl + 0.33 gm/L CaCl2
   D) 0.33 gm/L NaCl + 0.30 gm/L KCl + 8.66 gm/L CaCl2

5. **which one of the following is an alkylating agent?**
   A) Vincristine
   B) Mercaptopurine
   C) Arabinoside
   D) Trimethyl melanine

6. **Of the following adrenergic agent that are used as nasal decongestant. which one does not contain Imidazoline nucleus?**
   A) Tetrahydrozolium
   B) Naphazoline
   C) Xylometazoline
   D) Propylhexedine

7. **Lifespan of WBC in human is**
   A) 7 days
   B) 100 days
   C) 50 days
   D) 75 days

8. **Beeswax is an example of which type of ointment base?**
   A) Hydrocarbon / oleaginous
   B) absorption
   C) water soluble
   D) water miscible / removable

9. **Following is not a clinical feature of malaria**
   A) chills and rigors
   B) myalgia
   C) anorexia
   D) cough

10. **Lymphocytes accounts for what percentage of leukocytes in normal adults**
    A) 15
    B) 50
    C) 80
    D) 30

11. **Which of the following is not considered as parenteral route of administration?**
    A) subcutaneous
    B) intraperitoneal
    C) sublingual
    D) intradermal

12. **Which among the following is true cinnamon?**
    A) ceylon cinnamon
    B) Saigon cinnamon
    C) Java cinnamon

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D) jungle cinnamon

13. The first stage of characteristic triple response upon injection of histamine named
A) Wheal
B) flush
C) Flare
D) Dolor

14. Male sex hormone testosterone is secreted by
A) spermatogenic
B) sertoli cells
C) Leydig cells
D) Epididymis

15. What is C in the full form of CUDD system?
A) centralized
B) critical
C) cosmetics
D) cardiac

16. Chemical structure of Vinblastine and vincristine are identical except for replacement of N - methyl group in vinblastine to _____ vincristine.
A) N-Ethyl
B) N-formyl
C) N-propyl
D) N-isopropyl

17. Which vein drain abdomen?
A) Coronory sinus
B) superior vena cava
C) inferior vena cava
D) all of the above

18. Powder meant for introduction into the body cavities with the help of an apparatus is known as
A) snuff
B) insufflation
C) simple powder
D) dentifrices

19. Which one of the following is not a function of lymphatic system?
A) return tissue fluid to blood stream
B) transport of dietary protein
C) transport of fats
D) protection of body from foreign material

20. In moist hate sterilization, the minimum holding time at 121^{o}C is
A) 5 minutes
B) 10 minutes
C) 15 minutes
D) 30 minutes

21. Kallikrein is activated by
A) Renin
B) Kininase
C) Hageman factor
D) Phospholipase

22. Which of the following anti-histaminic agent classified as an alkylamine derivatives?
A) Triprolidine
B) Mepyramine
C) Tripelennamine
D) cyproheptadine

23. Which is incorrect statement of flocculated suspension?
A) particle form loose aggregate structure
B) sediment is loosely packed
C) sediment is formed slowly
D) sediment is easy to redisperse

24. Which of the following drug is used in the treatment of copper poisoning?
A) Desferoxamine
B) BAL
C) Penicillamine

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D) DDT

25. Which is not correct with respect to Griseofulvin?
A) It is not effective against candida
B) it interferes with nucleic acid synthesis
C) it is largely excreted in urine
D) it acts as purine analogue

26. How many pairs of intercostal muscles are present?
A) 11
B) 13
C) 14
D) 12

27. Which of the following is not an action of Amphetamine?
A) potent CNS stimulation
B) decreasing systolic and diastolic BP
C) increased mental and physical activity
D) reduces appetite

28. IUPAC name of Sulphaguanidine is
A) 2-(4-amino pyrimidine) sulphonyl guanidine
B) 2-(4-amino phenyl) sulphonyl guanidine
C) 4-(2-amino pyrimidine) sulphonyl guanidine
D) 4-(2-amino phenyl) sulphonyl guanidine

29. Which of the following anticholinergic agent is used in the treatment of parkinsonism?
A) Mebeverine
B) cyclopentolate
C) Tropicamide
D) Benzhexol

30. choose the incorrect statement about Bronchus
A) the right bronchus is wider
B) the left bronchus is shorter
C) The right bronchus is more vertical
D) the left bronchus divides into two

31. The drug delivery deep into Skin by means of Galvanic current is called
A) depilation
B) Intrathecal
C) Inunction
D) Iontophoresis

32. Heart rate of 160 - 180 refers to
A) Atrial flutter
B) Atrial fibrillation
C) Adam syndrome
D) Ectopic activity

33. Pyrazinamide is
A) Pyrazine-1-carboxamide
B) pyrazine-2-carboxamide
C) Pyrazine-3-carboxamide
D) Pyrazine-4-carboxamide

34. The proximal convoluted tubules lies in
A) Renal medulla
B) renal pelvis
C) Renal cortex
D) Renal sinus

35. Ethereal extract of Arjuna shows _____ fluorescence under ultraviolet light
A) Yellowish
B) Pinkish
C) Bluish
D) Greenish

36. Sympathetic blocking drug guanethidine acts by
A) depleting catecholamines
B) by interfering with synthesis of adrenergic transmitter
C) interfering with transmission of impulse across postganglionic adrenergic neuron
D) by blocking adrenergic receptors

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37. Pilocarpine is
A) Selective muscarinic receptor antagonist
B) nonselective muscarinic receptor antagonist
C) selective muscarinic receptor agonist
D) non selective muscarinic receptor agonist

38. An element essential as electron carrier is
A) potassium
B) zinc
C) calcium
D) Iron

39. The incorrect statement about heart is
A) heart has three valves
B) heart has three layers
C) heart has four Chambers
D) heart is located in thoracic cavity

40. An Example of pyrazolone derivative of Analgesic is
A) Phenacetin
B) Phenylbutazone
C) Indomethacin
D) Mefenamic acid

41. Which is not a true for insulin?
A) it is a amphoteric protein
B) it is soluble in water
C) it is inactivated by digestive enzymes
D) it combines with zinc to lose activity

42. Which of the following acids is an ingredient of Whitefield's ointment and is useful in the treatment of fungal infections or Eczema?
A) Acetylsalicylic acid
B) Salicylic acid
C) Oxalic acid
D) Tartaric acid

43. Crossing over takes place in
A) prophase I
B) Leptotene
C) Diplotene
D) Zygotene

44. What is popularly called as crow-fig?
A) Nux vomica
B) aconite
C) colchicum
D) Rauwolfia

45. Chlorpromazine exerts antipsychotic action by
A) depleting stores of catecholamines
B) Inhibition of hypothalamic stimulation responses
C) blocking post synaptic dopamine receptors
D) depleting stores of 5- hydroxy tryptamine in brain

46. Sarcolemma refers to
A) cytoplasm of skeletal muscles
B) mitochondria of skeletal muscles
C) endoplasmic reticulum of skeletal muscles
D) membrane of skeletal muscles

47. Which of the following is not a muscarinic action of Acetylcholine?
A) Vasodilation
B) increase in tone and activity of smooth muscle
C) inhibition of gastric secretions
D) decrease in heart rate

48. Osmotic potential of pure water is
A) one
B) zero
C) less than zero
D) between zero and one

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49. Bitter metallic taste is characteristic of drug
A) Tetracycline
B) Mepyramine
C) Glibenclamide
D) Phenformin

50. Which is used as a deodorant?
A) aluminium chloral hydrate
B) buffered aluminium sulphate
C) Hexamethylene Tetramine
D) petrolactum

51. The quantity of 95% alcohol required to make 600 ml of 40% alcohol is
A) 250.63 ml
B) 245.63 ml
C) 252.63 ml
D) 255.63 ml

52. Which of the following equipment works on the principle of impact and attrition?
A) cutter mill
B) disintegrator
C) ball mill
D) hammer mill

53. Penicillin produces_____ upon hydrolysis with hot dilute inorganic acids
A) Benzyl penicillin
B) penicilloic acid
C) propicillin
D) Penicillamine

54. In India, filariasis is transmitted by
A) culex fatigens
B) aedes aegypti
C) Anopheles culicifacies
D) Musca domestica

55. Mitochondria are sites of
A) oxidative phosphorylation
B) photolysis
C) phosphorylation
D) starch synthesis

56. Compound benzoin tincture formula does not contain following ingredient
A) Storax
B) Tolu Balsam
C) Aloe
D) Glycerin

57. Thick extract of drugs prepared by boiling decoction of drug with sugar/Honey is _____ Ayurvedic dosage form
A) Netrabindu
B) Asavas
C) sattava
D) Avleha

58. Which is not an evaluation parameter test for the parenterals?
A) Tonicity test
B) Leaker test
C) sterility test
D) pyrogen test

59. Coil of life is
A) chromosome
B) chromatin
C) DNA
D) RNA

60. Meta filter has following advantages except
A) it provides large surface area for filtration
B) it has considerable strength and withstand high pressure
C) corrosive liquids can be filtered
D) cake can be easily removed

61. Main muscles of shoulder is
A) Trapezius
B) Gluteus
C) Deltoid
D) Suprasinatus

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62. Maggot of housefly is
A) Pupa
B) Larva
C) Chrysalis
D) Imago

63. Sterility testing of surgical suture material requires incubation for ___ period
A) 7 days
B) 14 days
C) 28 days
D) 2 months

64. Belching maybe caused by antacid preparations containing
A) magnesium carbonate
B) calcium carbonate
C) Sodium Bicarbonate
D) aluminium hydroxide

65. Which is an example of absorption base?
A) macrogol
B) coconut oil
C) PEG
D) wool fat

66. Related genera belongs to same
A) variety
B) family
C) species
D) None of these

67. Nematocyst is a
A) cell
B) group of cells
C) organ
D) part of a cell

68. An example of short day plant is
A) Maize
B) Radish
C) Chrysanthemum
D) Wheat

69. Chemical formula of sodium metabisulphite is
A) NaS2O4
B) NaS2O5
C) Na2S2O4
D) Na2S2O5

70. Viruses have
A) prokaryotic nucleus
B) single chromosome
C) both DNA and RNA
D) DNA enclosed in a protein coat

71. Antimony potassium tartarate is used as
A) expectorant
B) styptic
C) Antimicrobial
D) Emetic

72. Urea formation occurs in
A) Heart
B) liver
C) spleen
D) kidney

73. RAD is the
A) unit of radioactivity
B) unit of absorbed dose
C) unit of ionizing radiation
D) unit of exposure

74. Sphinter of oddi is present at exit of
A) oesophagus
B) stomach
C) urinary bladder
D) gall bladder

75. “Post cibum" means
A) At bedtime
B) in morning
C) after meal
D) as needed

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76. Leishmania tropica produces
A) Sleeping sickness
B) kala-azar
C) dysentery
D) oriental sores

77. Compound sodium lactate injection is used as fluid electrolyte replenisher and ____
A) Diuretic
B) Irrigation
C) Systemic Alkalizer
D) Nutrient

78. A transparent or translucent semisolid preparation for external use is
A) Paste
B) Cream
C) Lotion
D) jellies

79. Coenzyme FAD is derivative of
A) Adenine
B) Niacin
C) Thiamine
D) Riboflavin

80. Medicinal agent which promotes the secretion of bile is
A) hydrogogue
B) Sialogogue
C) Emmenagogue
D) Cholagogue

81. Bile is formed in
A) Gall bladder
B) Liver
C) Spleen
D) Blood

82. Which sugar does not give a positive Benedict's test?
A) sucrose
B) lactose
C) maltose
D) glucose

83. Supplement to IP 1955 was published in the year
A) 1958
B) 1959
C) 1960
D) 1961

84. In cyclone separator the mixture is passed through
A) tangential inlet in the cylinder
B) central inlet at the top of cylinder
C) bottom inlet at the conical base of cylinder
D) All of these

85. Disease caused by hyperactivity of lysosomes is
A) arthritis
B) gout
C) lung fibrosis
D) all of the above

86. Water resistance test for glass containers is tested by measuring
A) determination of silicates released
B) measurement of turbidity
C) measurement of Opalescence
D) determination of alkali released

87. Rubber is
A) monoterpene
B) diterpene
C) Tetraterpene
D) polyterpene

88. Common bread mould is
A) Aspergillus
B) penicillium
C) Erysiphe
D) rhizopus

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89. Silk fiber contents chemical constituent known as
A) sericin
B) Keratin
C) Cysterine
D) Fibroin

90. Bassorin is chemical constituent obtained from
A) Guar
B) Lanolin
C) Tragacanth
D) Olive oil

91. _____ drug is used as CNS stimulant
A) Vasaka
B) Myrrh
C) Nux vomica
D) Hyoscyamus

92. Ammonium carbonate acts as respiratory stimulant by
A) binding to receptors on lungs
B) binding to receptors on intercostal muscles
C) irritating lungs
D) through CNS

93. The Largest algae is
A) Laminaria
B) macrocystis
C) Nereocystis
D) sargassum

94. Following equipment is not used for mixing of solids
A) tumbler mixer
B) Double cone blender
C) air mixer
D) Paddle mixer

95. Signatura part of prescription contains
A) patient information
B) direction to dispenser
C) direction for patient
D) renewal instruction

96. Convert 132 pounds to kilograms
A) 40 kg
B) 60 kg
C) 80 kg
D) 100 kg

97. The first microscope was invented by
A) Leeuwenhoek
B) Hooke
C) F. Janssen and z.Janssen
D) Schleden

98. An example of adsorbent is
A) Acacia
B) cellulose
C) magnesium stearate
D) Magnesium silicate

99. Drug having short fracture is
A) Cinchona
B) kurchi
C) Wild cherry bark
D) Ginger

100. Pitting edema is characteristic feature of
A) protein deficiency
B) carbohydrate deficiency
C) vitamin deficiency
D) mineral deficiency

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PHARMACIST TEST PAPER - 29

1. **What percentage of volatile oil coriander seeds must contain?**
   A) 1.75%
   B) 1.50%
   C) 1.25%
   D) 1%

2. **Lanolin is related to which of the following chemical constituent group?**
   A)Glycosides
   B) volatile oil
   C) enzymes
   D) lipids

3. **Volatile oil obtained from ajowan fruit is reach in**
   A) Thymol (35 - 60%)
   B) Thymol (20 - 25%)
   C) Thymol (22 - 35%)
   D) Thymol (20 - 50%)

4. **Sodium lauryl sulphate is used in shampoos because**
   A) it produces lather soft in nature
   B) it has good aroma
   C) it enhances hair growth
   D) it is very economic

5. **Cyclosporine is obtained from**
   A) bacteria
   B) Algae
   C) Fungi
   D) Herbs

6. **Examples of animal emulgents are**
   A) Acacia , pectin
   B) Gelatin , Casein
   C) Bentonite , Veegum
   D) Tweens , Spans

7. **_____ should not be applied on broken skin**
   A) lotions
   B) ointments
   C) powders
   D) Liniments

8. **Propylthiouracil is the drug which is used for _____ action**
   A) Thyroid
   B) Antithyroid
   C) Anti asthama
   D) Analgesic

9. **What is the ideal range of body mass index (BMI)?**
   A) 18.5 - 25
   B) 20 - 30
   C) 10.5 – 15.5
   D) 12.5 – 17.5

10. **In the treatment of Malaria : "to cut down human to mosquito transmission" is known as**
    A) radical curative
    B) gametocidal
    C) prophylaxis
    D) clinical curative

11. **What is the category of drug Nefopam?**
    A) anti allergic
    B) antipyretic
    C) antiseptic
    D) analgesic

12. **Prazosin is a highly selective _____ blocker drug**
    A) both alpha and beta
    B) beta
    C) Alpha 1
    D) Beta 2

13. **Which one of the following is high potency - long duration local anaesthetic?**
    A) Chlorprocaine

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B) Lidocaine
C) Cocaine
D) Tetracaine

14. Which one of the following is naturally obtained alkaloid act as muscarinic receptor antagonist?
A) Vasicine
B) Quinine
C) Atropine
D) Piperine

15. Noscapine is the drug of which of the following category?
A) hypnotic
B) sedative
C) anti epileptic
D) antitussive

16. Which of the following drugs is associated with the reaction of extreme photo sensitivity?
A) Digitalis
B) Niacin
C) Tetracycline
D) Fluoro quinolones

17. In NSAIDS, NS stands for
A) Non Sedative
B) Non Synthetic
C) Non Steroidal
D) Non Systematic

18. Which of the following hormone is not synthesized by pancreas?
A) gastrin
B) thyroxine
C) glucagon
D) insulin

19. Example of triple antigen vaccine is
A) polio vaccine (oral)
B) anti Rabies vaccine
C) hepatitis A vaccine
D) DPT

20. Aphakia is disorder of
A) ear
B) nose
C) eye
D) throat

21. Tetanus is related to
A) skeletal muscle fibres
B) locking of jaw
C) food habits
D) All of the above

22. Which of the following is the virus of swine flu?
A) H1N5
B) H5N1
C) H1N1
D) H2N2

23. In India a person to be appointed as drug inspector should have educational qualification and minimum 18 months experience in the manufacture of schedule _____ substances
A) A
B) B
C) C
D) D

24. There are strict guidelines for acquisition and selling of alprazolam because it comes under
A) schedule II
B) schedule III
C) schedule IV
D) schedule V

25. Absorption of "oral iron medication" is lower if taken along with
A) Rifampicin
B) Ibuprofen
C) Indomethacin

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D) Rabeprazole

26. Which of the following Chemicals are useful in manufacturing of skin and cosmetic preparations?
A) hydroquinone
B) kojic acid
C) ascorbic acid
D) all of the above

27. "Antiperspirants" are prepared for which of the following part of human body?
A) Eyes
B) Ears
C) Stomach
D) sweat glands

28. Most important toxicity of Acyclovir antiviral drug is
A) high grade fever
B) decrease in glomerular filtration rate
C) ceasing of urine
D) none of these

29. Which of the following drug when given along with contraceptive steroids, fails the action of contraception and lady conceives?
A) Paracetamol
B) Rifampicin
C) Anti cough syrup
D) Ciprofloxacin

30. On which of the following day the pharmacy act came into existence?
A) 4th July 1948
B) 4th May 1948
C) 4th March 1948
D) 4th April 1948

31. In prescription SS stands for
A) drop
B) Mix
C) Half
D) without

32. Which of the following food component Can Inhibit intestinal CYP3 A4 and should not be used with Felodipine?
A) water
B) Milk
C) grape juice
D) Capsicum

33. The term STATIM is used to describe any of below
A) Slowly
B) frequently
C) immediately
D) tomorrow

34. What is the meaning of "agit"?
A) Up to
B) before meal
C) Of each
D) shake

35. Which of the following Latin Abbreviation stands for "every day"?
A) q.m.
B) q.s.
C) q.d.
D) q.i.d.

36. "APERIENTS" are used
A) to promote evacuation of bowel
B) to promote easy breathe
C) to promote hair growth
D) to promote appetite

37. Rizatriptan is used to treat
A) diarrhoea
B) Atherosclerosis
C) Migraine
D) allergic reaction

38. "Ptyalin" and enzyme found in saliva, its main function is

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A) to break down starch into glucose
B) to break down starch into maltose and Dextrin
C) to breakdown starch into fructose
D) to breakdown starch into galactose

39. According to pharmacopoeial standards "freshly prepared" must be used by
A) 12 hours of preparation
B) 24 hours of preparation
C) 36 hours of preparation
D) 48 hours of preparation

40. Silica gel Sachet is placed in certain product containers this is for the purpose of
A) maintain Elegance of dosage form
B) avoid reaction of moisture with dosage form
C) avoid colour change of dosage form
D) avoid stickiness of dosages

41. Tatum-T is an example of which of the following?
A) nasal Drug Delivery System
B) oral drug
C) intrauterine device
D) transdermal implant

42. Which of the following drugs is an example of anti adrenergic?
A) Ephedrine
B) Dopamine
C) Adrenaline
D) Labetolol

43. Which of the following is an example of glycopeptide antibiotics?
A) Vancomycine
B) penicillin
C) cephalosporine
D) Dapsone

44. Monsanto tester is used for testing of _____ of tablet
A) hardness
B) dissolution
C) friability
D) uniformity

45. _____Is the process of removing mechanically admixed water from a solid substance
A) distillation
B) desiccation
C) freezing
D) centrifugation

46. What is the Pour size of HEPA filter?
A) 0.5 micron
B) 0.3 micron
C) 0.6 micron
D) 0.8 micron

47. Which of the following herbal products monograph was added to Indian Pharmacopoeia 2018 in 2019?
A) Turmeric
B) common salt
C) Kari patta
D) Elaichi (Cardamom)

48. According to pharmacopoeial assay "accurately weighed" error should not be more than
A) 0.25 %
B) 0.5 %
C) 0.1 %
D) 0.15 %

49. Candle filters are made of
A) Unglazed porcelain
B) cellulose
C) carboxymethyl cellulose
D) asbestos

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50. Which of the following sieve is having smallest mesh aperture size?
A) Sieve number 4
B) Sieve number 6
C) Sieve number 8
D) Sieve number 10

51. The process of separating components of a mixture based on different boiling points is called as
A) distillation
B) evaporation
C) sedimentation
D) filtration

52. Which of the following is used to grind brittle drugs to fine powder?
A) hammer mill
B) disintegrator
C) ball mill
D) roller mill

53. To destroy pyrogens, temperature and time required is
A) 160^{o}C for 4.5 hours
B) 165^{o}C for 4 hours
C) 170^{o}C for 3.5 hours
D) 175^{o}C for 3 hours

54. What are "OPSONINS"?
A) antiemetics
B) antibodies
C) anti blood clotting agents
D) surfactants

55. Unbleached and uncoated Ginger is called
A) Korean Ginger
B) Jamaica Ginger
C) Indian Ginger
D) ceylon Ginger

56. Shark liver oil is dispensed in
A) hard gelatin capsules
B) soft gelatin capsule
C) aerosols
D) sachets

57. The term Megaloblastic refers to
A) cells large and immature
B) cells larger and dimer
C) cells normal and mature
D) cells bigger than normal

58. _____ is the term used to describe the ability of the test to identify correctly the "true - positive"
A) sensitivity
B) predictivity
C) specificity
D) validity

59. Which is the largest Lymph organ?
A) Lymph node
B) Tonsil
C) Spleen
D) Thymus

60. Sodium chloride is _____ compound
A) ionic
B) covalent
C) hydrogen
D) Vanderwaals

61. _____ is used for cystectomy in sinus tract
A) Rectal retractor
B) Rosser Crypt hook
C) Anoscope
D) Tissue forceps

62. Milk of lime used for disinfection is _____
A) Aqueous salts
B) aqueous lime
C) Formalin
D) Aqueous magnesium

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63. The monthly or weakly total of the purchase book is posted to _____
A) debit of the sales account
B) credit of the sales account
C) debit of the Purchase account
D) credit of the Purchase account

64. Body temperature is a _____ variable
A) mechanical
B) chemical
C) physical
D) physiological

65. Revenue generally recognised at the point of sale. which concept is applied in this case?
A) Going Concern
B) revenue realisation
C) matching
D) Money Measurement

66. In which type of injury, log roll technique is used to turn the patient?
A) spinal injury
B) elbow injury
C) rib injury
D) abdominal injury

67. Cube root law is related with
A) distribution
B) degradation
C) dissolution
D) solubility

68. The Health Promotion model (1982) was proposed by
A) Pender
B) Becker
C) Murdaugh
D) Parsons

69. Which of the following is the sign of skull fracture?
A) high temperature flush face
B) increase pain and cough
C) bright,thick blood from mouth
D) bruising around One or both eyes

70. Moria curved type forcep is in _____ tray
A) Tracheostomy
B) Antral puncture
C) Craniotomy
D) Cornea basic

71. A victim who had burn injury expresses no pain at the Bon site, identify the degree of burn
A) second degree burns
B) third degree burns
C) burns with blisters
D) first degree burn

72. Which of the following is the sign of complete Airway obstruction?
A) Breathes bilaterally
B) able to respond
C) being conscious
D) unable to cough

73. All the functional budgets are combined into harmonious unit, is called _____
A) cash budget
B) purchase budget
C) master budget
D) sales budget

74. What is being called fully dilated cervix during labour?
A) cervix dilates 10 cm
B) cervix dilates 2 cm
C) cervix dilates 4 cm
D) cervix dilates 6 cm

75. _____ is needed for sigmoidoscopy.
A) Sloat
B) Doyen Forceps
C) Retractor
D) Obturator

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76. How many table spoonfuls are present in one fluid ounce?
A) 2
B) 1
C) 3
D) 4

77. Soft tissue pain between shoulder and wrist due to lesion in extensor origin is called
A) Achilles Tendonitis
B) Tennis Elbow
C) Blisters
D) Frozen shoulder

78. What is the immediate care of a casualty who had chemical burns in the eyes?
A) wash the eyes under running water
B) put the bandages immediately
C) apply ice cube over the eyes
D) pour neutralizing agents into the eyes

79. Which type of bandage is used for shoulder injury?
A) tubular bandages
B) triangular bandages
C) adhesive bandages
D) roller bandages

80. When the bone ends damaged but skin above is intact, which kind of fracture is this?
A) Complex fracture
B) comminuted fracture
C) open fracture
D) closed fracture

81. _____ is used for biopsy sample from cervix.
A) Landon's retractor
B) Bonney scissors
C) vaginal clamp
D) Punch biopsy forceps

82. What kind of environmental change to be done when an elderly patient returns home after hospitalization?
A) dim lights
B) soft surface in the tub
C) raised toilet seat
D) non handheld showerhead

83. They are solid masses, also called Aurinaria intended for the insertion into a ear, that is ____
A) ear drops
B) glycero-gelatin cone
C) ear cones
D) aerosol spray

84. Bone file is also called
A) Rasp
B) clamp
C) Mallet
D) Plier

85. Bone curettes are also called
A) Rasp
B) clamp
C) Mallet
D) scoop

86. Which of the following is the sign of fracture?
A) warm skin
B) swelling
C) numbness
D) ability to move

87. Which is the correct hand position in CPR?
A) on the ribs
B) centre the chest
C) lower tip of the breast bone
D) upper abdomen

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88. _____ is an example of self retaining retractor.
A) cerebeller reactor
B) Deaver
C) Bone Hauk
D) Volkman

89. The hospitals and health centres are included under _____ component in health system
A) objects
B) concepts
C) persons
D) ideas

90. Laparoscopy is visualization within the _____ cavity
A) abdominal
B) nasal
C) cranial
D) pleural

91. Soft contact lenses be disinfected by _____ method
A) soap
B) autoclaving
C) hot air oven
D) microwave

92. Aural Speculum used for examining the _____
A) Nose
B) Eardrum
C) Eyes
D) Mouth

93. The innermost Nervous tissue layer of the eye is
A) retina
B) sclerea
C) cornea
D) iris

94. How to position the injured upper limb?
A) keep parallel to the body
B) raise about the clients heart level
C) raise about the clients waist level
D) place the Limb towards the gravity

95. Lysosomes are small membranous vesicles pinched off from _____
A) Nucleus
B) Mitochondria
C) Ribosome
D) Golgi apparatus

96. Germ theory was proposed by _____
A) John snow
B) Koch
C) pasteur
D) Tenner

97. The central Council of health was set up on _____ under article 263
A) 9th August 1952
B) 12th December 1980
C) 9th September 1980
D) 2nd august 1950

98. Direct mailing is a _____ in health education
A) individual approach
B) mass approach
C) group approach
D) direct approach

99. Contaminated cloth should be safely destroyed by
A) chemical
B) radiation
C) incineration
D) hot air oven

100. What kind of technique is used to open the Airway for a suspected cervical injury?
A) Jaw thrust
B) chest thrust

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C) Head tilt and chin lift
D) Abdominal thrust

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PHARMACIST TEST PAPER - 30

1. **The duration of practical training for diploma in pharmacy is specified as**
   A) 100 hours
   B) 200 hours
   C) 300 hours
   D) 500 hours

2. **Quinidine acts as a**
   A) sodium channel opener
   B) sodium channel blocker
   C) Calcium channel blocker
   D) Calcium channel opener

3. **The half life of Digoxin is**
   A) 30 minutes
   B) 4 hours
   C) 40 hours
   D) 7 days

4. **High ceiling diuretic is**
   A) Indapamide
   B) clopamide
   C) Acetazolamide
   D) Torsemide

5. **Example for tyrosine kinase receptor is**
   A) insulin receptor
   B) GABA receptor
   C) Acetylcholine receptor
   D) Steroid receptor

6. **The capacity of a drug to cause foetal abnormality is known as**
   A) cardiogenicity
   B) teratogenicity
   C) mutagenicity
   D) photo sensitivity

7. **The aminoglycoside which is too toxic for systemic use and hence used topically on the skin and eye is**
   A) Framycetin
   B) Amikacin
   C) Sisomycin
   D) Tobramycin

8. **The fourth generation cephalosporin is**
   A) Cefaclor
   B) cefuroxime
   C) Cefoxitin
   D) Cafepime

9. **Which bacteria enzyme is inhibited by fluoroquinolone Derivative?**
   A) DNA gyrase
   B) folate synthase
   C) Topoisomerase II
   D) Beta lactamase

10. **Sodium Pico sulfate is a**
    A) stimulant laxative
    B) osmotic laxative
    C) bulk laxative
    D) Emolient laxative

11. **Beta lactamase enzyme inactivate**
    A) Sulphonamides
    B) penicillin
    C) Tetracycline
    D) Streptomycin

12. **Peptic ulcer can be treated with**
    A) H1 antagonist
    B) H2 antagonist
    C) D2 antagonist
    D) 5HT antagonist

13. **The pharmacy council of India is constituted by the**
    A) central government
    B) state government
    C) parliament
    D) Legislative Assembly

14. **The sweetening agent commonly used in the chewable tablet formula is**

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A) sucrose
B) cyclamat sodium
C) saccharin sodium
D) mannitol

15. Sub coating is given to the tablets
A) to increase bulk
B) to avoid deterioration due to microbial attack
C) to prevent the solubility in acidic media
D) to avoid stickiness

16. Which one of the following drugs is not long acting benzodiazepine ?
A) Diazepam
B) clonazepam
C) Flurazepam
D) Midazolam

17. Which one of the following is a pseudoalkaloid?
A) Caffeine
B) Ephedrine
C) Morphine
D) codeine

18. Emetine, an alkaloid of ipecacuanha acts as
A) anti malarial
B) anti Diarrhoeal
C) antiseptic
D) amoebicide

19. In capsules, rotofil is used for filling
A) powders
B) pellets
C) Liquids
D) corrosive liquids

20. Patient with glucose 6 phosphate degydrogenase deficiency is treated with Dapson. He will suffer from
A) haemolytic anaemia
B) Pernicious anaemia
C) diarrhoea
D) none of the above

21. All the following are stimulant purgative except
A) Bisacodyl
B) castor oil
C) senna
D) liquid paraffin

22. Mast cell stabilizer is
A) salbutamol
B) Theophylline
C) Sodium chromoglycate
D) Atropine

23. Mucolyte is
A) Bromohexine
B) Carbocisteine
C) Acetyl cysteine
D) All of the above

24. Second line anti tubercular drug is
A) streptomycin
B) capreomycin
C) Ethambutol
D) Rifampicin

25. Drug of choice in amoebic dysentery is
A) penicillin G
B) Niridazole
C) Metronidazole
D) tetracycline

26. Long term use of glucocorticoids induce
A) hypotension
B) hepatotoxicity
C) osteoporosis
D) bradycardia

27. Isoxuprine is used to treat
A) asthma
B) severe hypotension
C) Nasal congestion

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D) premature labour

28. A Steroidal antibiotic is
A) Fucidin
B) Bacitracin
C) Aminophylline
D) Clindamycin

29. Bromocryptin is used to treat amenorrhea because
A) it stimulates the ovary
B) it stimulates the GnRH release
C) it suppresses the prolactin in release
D) it's stimulatesr FSH release

30. All are the side effects of chloroquine except
A) blurring of vision
B) haemolytic anaemia
C) psychotic episodes
D) skin Rash

31. The drug very effective in the treatment of acute gout is
A) Aspirin
B) Acetaminophen
C) Phenylbutazone
D) Indomethacin

32. The anti- tubercular drug inhibiting RNA synthesis
A) streptomycin
B) Ethambutol
C) Chloramphenicol
D) Rifampicin

33. Methotrexate is an antagonist of
A) Cobalamine
B) folic acid
C) Riboflavin
D) Tocopherol

34. The antitubercular drug inhibiting Protein synthesis with potential for ototoxic effect is
A) Ethambutol
B) Dapsone
C) Streptomycin
D) INH

35. Drug of choice in treatment of cardiogenic shock is
A) Diosgenin
B) Epinephrine
C) Dopamine
D) Ouabain

36. The preferred treatment of status epilepticus is intravenous administration of
A) Ethosuximide
B) sodium valproate
C) Diazepam
D) Chloramphenicol

37. Which of the following is not a Macrolide antibiotic?
A) Erythromycin
B) Spiramycin
C) Oleandomycin
D) vancomycin

38. The choice of drug to treat Cerebral Malaria is
A) Mepacrine
B) Amodiaquine
C) Quinine
D) primaquine

39. Optic neuritis is a chief adverse effect of
A) Sulpha drugs
B) Pyrazinamide
C) Rifampicin
D) Ethambutol

40. Which is an antimetabolite?

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A) Fluorouracil
B) Nitrogen mustard
C) Cyclophosphamide
D) Chlorambucil

41. Anticholinergic drug used as bronchodilator is
A) Pilocarpine
B) Ipratropium
C) prazocin
D) Salbutamol

42. Metformin is
A) sulphonylurea
B) DPP-4 Inhibitor
C) Biguanide
D) Alpha glucosidase inhibitor

43. Glargine is
A) short acting insulin
B) intermediate acting insulin
C) Peakless insulin
D) oral insulin

44. Milk is deficient in which mineral
A) phosphorus
B) sodium
C) iron
D) potassium

45. Insulin is stored at
A) -1 to -5^{o}C
B) 2 to 8^{o} C
C) 15 to 20^{o}C
D) 20 to 30^{o}C

46. Protein deficiency disease is known as
A) Cushing's disease
B) Fabry's disease
C) Parkinson's disease
D) Kwashiorkar and marasmus

47. The precursor of bile salts, sex hormones and vitamin D is
A) Diosgenin
B) Cholesterol
C) Campesterol
D) Ergosterol

48. Dextromethorphan open is used in cough syrups as
A) Expectorant
B) Mucolytic
C) Bronchodilator
D) suppressant

49. The following are Proton pump inhibitors except
A) Omeprazole
B) Rabiprazole
C) Pantoprazole
D) Albendazole

50. Glycerol may be used as a preservative in a percentage of
A) 15
B) 50
C) 1
D) 0.1

51. Glycogen is present in all body tissue except
A) liver
B) brain
C) Kidney
D) stomach

52. Platelets contain an enzyme which has an important role in clotting of blood.This enzyme is known as
A) Cholinesterase
B) Transaminase
C) Decarboxylase
D) Thrombokinase

53. Theophylline is
A) 1, 3 dimethyl xanthine
B) 1,3 dimethyl uric acid

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C) 3,7 dimethyl xanthine
D) 1,3,7 trimethyl xanthine

54. Borntrager's test is used for the detection of
A) Saponin glycosides
B) Anthracene glycosides
C) Cardiac glycosides
D) Coumarin glycosides

55. Cotrimoxazole is the combination of
A) Trimethoprim and sulfamethoxazole
B) sulfisoxaxole and phenazo pyridine
C) sulfisoxazole and sulfafiazine
D) Sulfasomidine and sulfisoxazole

56. Which of the following can be used to antagonise the effect of heparin?
A) Dicoumarol
B) Vitamin K
C) Warfarin
D) Protamine sulphate

57. Which of the following is not a systemic amino glycoside?
A) Streptomycin
B) Neomycin
C) Gentamycin
D) Kanamycin

58. Which of the following is a common adverse effect caused by sulphonamides?
A) actual renal failure
B) kidney stone
C) diabetes insipidus
D) Renal tubular toxicity

59. Farber's disease is due to
A) Arylsulphatise - A
B) Ceramidase
C) Alpha galactosidase
D) beta galactosidase

60. Weil's is also known as
A) tuberculosis
B) brain fever
C) spirochaetal jaundice
D) German measles

61. Which assay method is used for neomycin?
A) surface spread method
B) Pour plate method
C) cylinder plate method
D) plate count method

62. Antitussives are opoids that
A) helps patients with chronic bronchitis
B) cause sputum retention
C) depress cough centre
D) prevent attack of bronchial asthma

63. Which of the following is not a natural colour?
A) saffron
B) beta carotene
C) Tartrazine
D) None of the above

64. Parent of sulpha drugs
A) Sulphadiaine
B) Sulphanilamide
C) Sulphagaunidine
D) None of the above

65. Minamata disease (in Japan) was caused due to chemical poisoning by
A) Lead
B) Mercury
C) Arsenic
D) None of the above

66. Ammonium carbonate is used as
A) antacid
B) respiratory stimulant
C) antidote
D) hematinic

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67. Phenobarbitone is _____ acting barbiturate.
A) Ultra short acting
B) short acting
C) intermediate acting
D) long acting

68. The specific test for identifying Imidazole rings in amino acids is
A) Pauly test
B) Millon's test
C) Folin's test
D) Biuret test

69. Glucocorticoids are involved in
A) fat metabolism
B) potassium metabolism
C) fluid balance
D) sodium metabolism

70. Adverse drug reaction does not occurs due to
A) drug change
B) Overdose
C) allergy
D) hypersensitivity

71. An element having a vital role in the biosynthesis of thyroid hormone is
A) Iodine
B) bromine
C) zinc
D) chlorine

72. Which of the following is not a cell derived mediator for inflammation?
A) Kinin
B) Lymphokines
C) Vasoactive amines
D) Acidic lipids

73. The nutrition antioxidant present in berries is
A) Ellagic acid
B) Alpha lipoic acid
C) Aspartic acid
D) Catechic acid

74. Marasmus is associated with
A) only protein deficiency
B) fat and carbohydrate deficiency
C) fat and protein deficiency
D) protein and carbohydrate deficiency

75. The active metabolite of Imipramine is
A) Nortriptyline
B) Desipramine
C) Amitriptyline
D) Alloxanthine

76. mRNA is synthesised in the nucleus as
A) snoRNA
B) tmRNA
C) scRNA
D) hnRNA

77. Endothelium is a squamous epithelium associated with
A) Collecting ducts
B) small intestine
C) heart
D) Lymph vessels

78. The Killer-Killiani test is specific for
A) Prunasin
B) Linamarin
C) Digitoxose
D) Ascaroside

79. Which of the following is a quinolone containing urinary tract anti infective agent?
A) Nalidixic acid
B) Ciprofloxacin
C) Enoxacin
D) cinoxacin

80. Nicotinic receptor is a

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A) nuclear receptor
B) ligand gated cation Channel
C) tyrosine kinase receptor
D) G - protein coupled receptor

81. An important site of foetal blood cell production is
A) thymus
B) pons
C) lymph
D) spleen

82. Myrrh contains
A) protein
B) glycoside
C) gum
D) alkaloid

83. A deficiency of the activity of spingomyelinese enzyme leads to
A) Jacob's disease
B) Niemann-pick disease
C) Gaucher's disease
D) krabbe's disease

84. Kurchi is an
A) saponin alkaloid
B) Isoquinoline alkaloid
C) Steroidal alkaloid
D) Indole alkaloid

85. The Hetero atoms present in phenothiazine are
A) Oxygen and sulphur
B) nitrogen and nitrogen
C) Sulphur and nitrogen
D) Oxygen and nitrogen

86. A naturally occurring sympatholytic is
A) Strychnine
B) Morphine
C) Reserpine
D) Quinine

87. Which of the following is a superficial vein of the cardiovascular system?
A) Basilica vein
B) subclavian vein
C) palmar vein
D) auxiliary Vein

88. Which of the following is an Ayurvedic preparation containing self generated alcohol?
A) Lehya
B) Ghrita
C) Asava
D) Gutika

89. Bismuth subcarbonate is a /an
A) saline laxative
B) antacid and laxative
C) adsorbent and astringent
D) diuretic and electrolyte replenisher

90. The form for the issue of licence to sell, stock,exhibit for sale or a distribute drugs specified in schedule X in retail is
A) 21
B) 21A
C) 20F
D) 20G

91. When the anaesthetic is injected in the subarachnoid space it is termed as
A) spinal anaesthesia
B) infiltration anaesthesia
C) surface anaesthesia
D) epidural anaesthesia

92. Classification of bacteria as heterotrophs is based on
A) nutrition requisite
B) growth temperature
C) energy source
D) oxygen requisite

PHARMA BULLET

93. _____ occurs due to excessive production of TSH

A) Osteitis fibrosa
B) Myxoedema
C) Grave's disease
D) endemic goitre

94. One among the following is a typical anti psychotic drug

A) Thioridazine
B) Olanzapine
C) Risperidone
D) Clozapine

95. Sulphonylureas and Biguanides are related to

A) hypoglycemic
B) anti hypertensive
C) anti epileptic
D) diuretics

96. By which of the following, flow properties are determined by powder

A) angle of repose
B) contact angle
C) angle of flow
D) diffraction angle

97. Which of the following is not a part of process of manufacturing of glass?

A) blowing
B) pressing
C) costing
D) rolling

98. Non steroidal anti-inflammatory drugs acts on

A) COX inhibitors
B) Alpha blockers
C) Beta blockers
D) Muscarinic blockers

99. The phase 4 of clinical trials is known as

A) new drug application
B) post marketing surveillance
C) standardisation
D) Toxicity testing

100. Which of the following is not a granulocyte?

A) neutrophil
B) basophil
C) Eosinophil
D) Monocytes

PHARMA BULLET

ANSWER KEY TEST PAPER – 1

1	A	21	D	41	B	61	C	81	C
2	A	22	B	42	B	62	C	82	D
3	A	23	C	43	D	63	B	83	A
4	A	24	C	44	A	64	C	84	D
5	A	25	C	45	D	65	A	85	A
6	D	26	D	46	A	66	A	86	D
7	D	27	C	47	C	67	C	87	C
8	C	28	D	48	A	68	B	88	A
9	B	29	D	49	B	69	B	89	B
10	D	30	A	50	C	70	D	90	C
11	A	31	C	51	B	71	A	91	C
12	C	32	D	52	A	72	D	92	B
13	A	33	D	53	B	73	A	93	B
14	A	34	C	54	B	74	A	94	C
15	A	35	C	55	D	75	D	95	C
16	A	36	C	56	B	76	A	96	A
17	A	37	D	57	B	77	B	97	A
18	D	38	D	58	A	78	C	98	A
19	C	39	A	59	B	79	B	99	B
20	A	40	B	60	A	80	D	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 2

1	C	21	A	41	D	61	A	81	A
2	D	22	A	42	B	62	A	82	D
3	A	23	C	43	C	63	A	83	A
4	C	24	C	44	D	64	B	84	D
5	D	25	B	45	A	65	D	85	C
6	A	26	B	46	A	66	C	86	A
7	D	27	D	47	B	67	A	87	B
8	C	28	B	48	D	68	C	88	D
9	A	29	B	49	B	69	B	89	C
10	A	30	A	50	B	70	B	90	A
11	B	31	A	51	C	71	B	91	B
12	D	32	C	52	C	72	D	92	A
13	C	33	C	53	B	73	B	93	B
14	B	34	A	54	C	74	A	94	C
15	B	35	C	55	B	75	A	95	D
16	C	36	A	56	C	76	C	96	A
17	A	37	A	57	A	77	B	97	B
18	B	38	B	58	A	78	B	98	D
19	D	39	A	59	C	79	B	99	C
20	B	40	D	60	D	80	A	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 3

1	B	21	B	41	D	61	D	81	B
2	B	22	B	42	B	62	D	82	B
3	C	23	A	43	D	63	D	83	D
4	C	24	A	44	C	64	C	84	A
5	C	25	B	45	D	65	C	85	B
6	C	26	B	46	A	66	B	86	A
7	C	27	C	47	D	67	D	87	B
8	D	28	D	48	C	68	D	88	D
9	C	29	A	49	D	69	A	89	B
10	C	30	D	50	D	70	C	90	A
11	D	31	D	51	C	71	A	91	D
12	A	32	D	52	B	72	A	92	B
13	C	33	D	53	A	73	D	93	C
14	C	34	B	54	A	74	B	94	A
15	B	35	B	55	D	75	A	95	D
16	C	36	C	56	D	76	D	96	D
17	B	37	D	57	B	77	C	97	C
18	C	38	B	58	C	78	D	98	C
19	B	39	A	59	C	79	C	99	A
20	B	40	C	60	B	80	B	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 4

1	D	21	A	41	D	61	D	81	B
2	B	22	A	42	D	62	D	82	A
3	B	23	B	43	B	63	B	83	D
4	B	24	D	44	C	64	B	84	A
5	A	25	A	45	A	65	B	85	C
6	D	26	A	46	B	66	D	86	B
7	A	27	A	47	A	67	A	87	A
8	C	28	C	48	A	68	D	88	D
9	B	29	C	49	A	69	A	89	D
10	D	30	C	50	D	70	A	90	C
11	A	31	C	51	D	71	A	91	B
12	C	32	A	52	A	72	C	92	B
13	C	33	A	53	A	73	D	93	D
14	A	34	B	54	B	74	C	94	D
15	D	35	D	55	B	75	A	95	B
16	D	36	B	56	C	76	B	96	B
17	A	37	B	57	C	77	A	97	A
18	A	38	B	58	A	78	B	98	A
19	B	39	C	59	C	79	C	99	C
20	A	40	D	60	C	80	B	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 5

1	A	21	D	41	B	61	A	81	C
2	A	22	A	42	B	62	C	82	B
3	D	23	D	43	A	63	A	83	C
4	B	24	A	44	C	64	A	84	D
5	A	25	A	45	D	65	C	85	B
6	A	26	C	46	C	66	B	86	C
7	D	27	B	47	C	67	C	87	A
8	A	28	B	48	B	68	B	88	B
9	A	29	C	49	B	69	B	89	A
10	A	30	C	50	D	70	B	90	D
11	A	31	A	51	A	71	C	91	A
12	A	32	D	52	D	72	C	92	C
13	C	33	D	53	C	73	A	93	C
14	D	34	A	54	D	74	D	94	A
15	D	35	D	55	A	75	D	95	B
16	A	36	C	56	C	76	A	96	D
17	A	37	A	57	C	77	B	97	B
18	A	38	A	58	A	78	D	98	D
19	B	39	C	59	B	79	B	99	C
20	B	40	C	60	D	80	A	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER –`6

1	A	21	C	41	C	61	A	81	C
2	C	22	B	42	B	62	A	82	D
3	D	23	A	43	C	63	D	83	C
4	A	24	B	44	D	64	A	84	A
5	D	25	D	45	B	65	D	85	D
6	A	26	A	46	D	66	C	86	B
7	B	27	D	47	A	67	D	87	D
8	B	28	D	48	B	68	A	88	C
9	D	29	D	49	A	69	B	89	A
10	D	30	A	50	D	70	B	90	D
11	A	31	D	51	A	71	B	91	A
12	B	32	D	52	C	72	D	92	B
13	D	33	D	53	B	73	C	93	B
14	C	34	D	54	C	74	D	94	B
15	B	35	B	55	D	75	D	95	A
16	A	36	C	56	D	76	C	96	C
17	D	37	D	57	C	77	A	97	B
18	A	38	C	58	D	78	D	98	C
19	C	39	B	59	C	79	D	99	C
20	D	40	C	60	B	80	C	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 7

1	D	21	D	41	A	61	C	81	B
2	C	22	A	42	B	62	B	82	B
3	A	23	A	43	A	63	B	83	C
4	D	24	B	44	B	64	A	84	D
5	C	25	A	45	C	65	C	85	A
6	B	26	A	46	A	66	A	86	D
7	C	27	C	47	A	67	A	87	B
8	D	28	B	48	D	68	A	88	A
9	A	29	B	49	B	69	B	89	D
10	A	30	A	50	B	70	C	90	D
11	B	31	B	51	D	71	C	91	A
12	A	32	D	52	C	72	C	92	A
13	C	33	D	53	B	73	C	93	C
14	A	34	C	54	B	74	B	94	D
15	B	35	A	55	A	75	C	95	B
16	C	36	A	56	A	76	B	96	D
17	B	37	B	57	B	77	A	97	D
18	C	38	C	58	B	78	A	98	A
19	D	39	D	59	A	79	B	99	B
20	B	40	A	60	A	80	D	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 8

1	B	21	A	41	A	61	A	81	D
2	A	22	A	42	D	62	A	82	A
3	D	23	D	43	B	63	C	83	C
4	C	24	A	44	D	64	B	84	B
5	D	25	D	45	A	65	C	85	A
6	A	26	C	46	D	66	C	86	A
7	D	27	D	47	A	67	D	87	A
8	C	28	A	48	B	68	A	88	A
9	B	29	B	49	B	69	A	89	C
10	D	30	C	50	A	70	A	90	A
11	C	31	C	51	C	71	A	91	B
12	D	32	C	52	C	72	D	92	A
13	D	33	A	53	D	73	A	93	C
14	B	34	A	54	C	74	C	94	D
15	B	35	A	55	D	75	B	95	B
16	A	36	A	56	C	76	A	96	C
17	A	37	D	57	B	77	D	97	D
18	C	38	C	58	A	78	B	98	B
19	A	39	C	59	B	79	A	99	B
20	A	40	A	60	A	80	A	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 9

1	B	21	B	41	B	61	D	81	C
2	B	22	C	42	B	62	D	82	A
3	C	23	D	43	C	63	C	83	C
4	A	24	A	44	C	64	D	84	B
5	A	25	B	45	C	65	A	85	B
6	A	26	B	46	D	66	A	86	C
7	B	27	C	47	A	67	B	87	B
8	C	28	B	48	A	68	A	88	C
9	A	29	D	49	C	69	C	89	B
10	C	30	A	50	A	70	B	90	C
11	B	31	A	51	A	71	D	91	A
12	C	32	D	52	A	72	C	92	B
13	B	33	A	53	B	73	C	93	D
14	A	34	D	54	C	74	B	94	B
15	C	35	B	55	B	75	B	95	B
16	D	36	B	56	A	76	B	96	C
17	A	37	D	57	C	77	D	97	A
18	A	38	C	58	C	78	C	98	B
19	B	39	C	59	D	79	B	99	A
20	A	40	D	60	B	80	B	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 10

1	A	21	B	41	B	61	B	81	B
2	B	22	A	42	D	62	D	82	A
3	C	23	D	43	C	63	A	83	A
4	A	24	A	44	D	64	A	84	D
5	A	25	B	45	B	65	D	85	A
6	B	26	B	46	C	66	B	86	C
7	A	27	B	47	B	67	C	87	A
8	B	28	D	48	D	68	A	88	B
9	A	29	B	49	A	69	B	89	B
10	B	30	A	50	D	70	D	90	D
11	B	31	D	51	A	71	A	91	A
12	D	32	A	52	C	72	B	92	A
13	A	33	A	53	B	73	D	93	B
14	B	34	B	54	B	74	C	94	B
15	C	35	C	55	D	75	A	95	A
16	C	36	D	56	B	76	A	96	B
17	B	37	D	57	D	77	D	97	B
18	A	38	A	58	C	78	D	98	A
19	B	39	A	59	D	79	B	99	B
20	D	40	D	60	C	80	B	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 11

1	C	21	B	41	B	61	C	81	A
2	A	22	A	42	C	62	B	82	B
3	A	23	B	43	C	63	C	83	A
4	B	24	C	44	A	64	C	84	B
5	A	25	C	45	A	65	D	85	C
6	B	26	D	46	B	66	B	86	B
7	C	27	A	47	B	67	C	87	C
8	A	28	D	48	A	68	C	88	B
9	B	29	A	49	D	69	D	89	C
10	B	30	C	50	D	70	B	90	D
11	C	31	D	51	C	71	B	91	A
12	D	32	C	52	B	72	C	92	D
13	A	33	A	53	B	73	B	93	C
14	D	34	C	54	A	74	D	94	C
15	B	35	B	55	A	75	B	95	C
16	A	36	C	56	B	76	B	96	D
17	C	37	B	57	A	77	C	97	D
18	C	38	D	58	D	78	B	98	A
19	A	39	A	59	A	79	B	99	C
20	C	40	B	60	B	80	A	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 12

1	C	21	D	41	D	61	C	81	B
2	B	22	D	42	B	62	B	82	D
3	C	23	D	43	B	63	C	83	A
4	A	24	C	44	D	64	C	84	D
5	A	25	B	45	A	65	B	85	A
6	D	26	A	46	C	66	A	86	C
7	B	27	B	47	A	67	A	87	A
8	B	28	D	48	B	68	B	88	C
9	B	29	D	49	B	69	B	89	A
10	C	30	B	50	D	70	C	90	C
11	B	31	A	51	C	71	A	91	A
12	A	32	A	52	B	72	B	92	D
13	D	33	D	53	C	73	B	93	B
14	B	34	A	54	B	74	A	94	D
15	D	35	D	55	D	75	D	95	B
16	A	36	D	56	C	76	B	96	C
17	B	37	B	57	D	77	A	97	A
18	A	38	B	58	B	78	C	98	D
19	D	39	C	59	B	79	D	99	D
20	C	40	D	60	A	80	C	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 13

1	A	21	A	41	B	61	A	81	C
2	C	22	C	42	A	62	D	82	D
3	D	23	B	43	D	63	A	83	C
4	D	24	D	44	C	64	D	84	A
5	A	25	C	45	A	65	A	85	A
6	C	26	C	46	C	66	A	86	A
7	A	27	B	47	B	67	D	87	C
8	D	28	C	48	A	68	C	88	A
9	C	29	C	49	B	69	D	89	C
10	A	30	D	50	B	70	A	90	B
11	C	31	D	51	A	71	A	91	D
12	B	32	B	52	A	72	D	92	B
13	B	33	D	53	A	73	B	93	C
14	C	34	B	54	C	74	B	94	A
15	C	35	A	55	D	75	D	95	C
16	D	36	C	56	B	76	A	96	A
17	A	37	D	57	B	77	C	97	D
18	C	38	A	58	D	78	A	98	A
19	B	39	A	59	B	79	C	99	A
20	D	40	C	60	C	80	C	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 14

1	C	21	D	41	D	61	A	81	B
2	C	22	A	42	B	62	C	82	C
3	B	23	D	43	D	63	A	83	C
4	D	24	A	44	A	64	C	84	C
5	C	25	A	45	C	65	C	85	A
6	A	26	D	46	C	66	D	86	B
7	A	27	D	47	A	67	C	87	A
8	A	28	B	48	D	68	A	88	A
9	D	29	C	49	B	69	C	89	A
10	D	30	D	50	B	70	D	90	A
11	B	31	B	51	D	71	C	91	B
12	C	32	D	52	C	72	C	92	B
13	A	33	C	53	C	73	A	93	A
14	B	34	D	54	C	74	B	94	B
15	A	35	A	55	C	75	A	95	C
16	B	36	D	56	C	76	D	96	A
17	B	37	D	57	C	77	A	97	A
18	A	38	C	58	C	78	C	98	C
19	A	39	A	59	D	79	A	99	D
20	C	40	C	60	D	80	D	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 15

1	A	21	C	41	D	61	B	81	B
2	B	22	B	42	A	62	C	82	A
3	B	23	B	43	B	63	D	83	D
4	A	24	D	44	D	64	C	84	D
5	B	25	B	45	A	65	C	85	B
6	C	26	C	46	D	66	D	86	C
7	A	27	D	47	C	67	A	87	C
8	B	28	C	48	D	68	C	88	A
9	D	29	C	49	D	69	A	89	C
10	D	30	B	50	B	70	A	90	A
11	D	31	D	51	B	71	B	91	B
12	C	32	D	52	C	72	C	92	B
13	C	33	C	53	B	73	D	93	D
14	A	34	D	54	D	74	A	94	A
15	A	35	B	55	C	75	B	95	C
16	B	36	B	56	D	76	A	96	D
17	A	37	D	57	B	77	C	97	B
18	B	38	B	58	C	78	C	98	D
19	D	39	A	59	A	79	D	99	D
20	A	40	B	60	B	80	C	100	A

PHARMA BULLET

ANSWER KEY TEST PAPER – 16

1	B	21	A	41	A	61	C	81	B
2	C	22	C	42	A	62	C	82	C
3	B	23	A	43	A	63	A	83	B
4	D	24	C	44	D	64	C	84	B
5	C	25	B	45	C	65	A	85	C
6	A	26	C	46	A	66	B	86	A
7	C	27	C	47	A	67	D	87	B
8	A	28	A	48	D	68	B	88	B
9	D	29	B	49	C	69	C	89	A
10	B	30	A	50	A	70	B	90	C
11	D	31	A	51	C	71	B	91	B
12	A	32	A	52	D	72	D	92	C
13	A	33	C	53	C	73	A	93	A
14	B	34	B	54	B	74	D	94	D
15	A	35	B	55	A	75	D	95	B
16	B	36	B	56	A	76	C	96	B
17	C	37	B	57	C	77	B	97	B
18	A	38	C	58	C	78	C	98	B
19	B	39	B	59	C	79	B	99	B
20	C	40	C	60	A	80	B	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 17

1	A	21	C	41	D	61	D	81	A
2	B	22	A	42	B	62	B	82	A
3	A	23	D	43	C	63	B	83	D
4	C	24	B	44	A	64	D	84	C
5	A	25	C	45	D	65	C	85	B
6	A	26	A	46	A	66	B	86	D
7	A	27	C	47	B	67	C	87	C
8	A	28	C	48	C	68	C	88	D
9	C	29	C	49	C	69	D	89	B
10	A	30	C	50	A	70	D	90	C
11	A	31	B	51	D	71	C	91	C
12	B	32	D	52	A	72	D	92	A
13	B	33	D	53	C	73	B	93	B
14	A	34	B	54	D	74	B	94	A
15	A	35	A	55	B	75	A	95	D
16	A	36	C	56	A	76	A	96	B
17	D	37	A	57	D	77	B	97	C
18	A	38	B	58	A	78	B	98	C
19	C	39	D	59	D	79	B	99	D
20	C	40	D	60	D	80	A	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 18

1	C	21	B	41	A	61	D	81	C
2	D	22	B	42	A	62	A	82	B
3	B	23	D	43	A	63	D	83	A
4	A	24	A	44	B	64	D	84	C
5	C	25	B	45	D	65	A	85	C
6	A	26	C	46	D	66	B	86	C
7	A	27	A	47	A	67	D	87	B
8	C	28	B	48	C	68	B	88	C
9	B	29	B	49	A	69	D	89	D
10	B	30	A	50	A	70	A	90	C
11	A	31	D	51	C	71	D	91	B
12	D	32	D	52	A	72	C	92	D
13	C	33	A	53	D	73	C	93	A
14	A	34	B	54	B	74	D	94	A
15	A	35	B	55	C	75	A	95	D
16	D	36	B	56	C	76	D	96	D
17	D	37	B	57	B	77	D	97	A
18	B	38	C	58	B	78	B	98	B
19	D	39	A	59	A	79	B	99	A
20	A	40	A	60	A	80	B	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 19

1	A	21	D	41	A	61	B	81	C
2	D	22	A	42	A	62	C	82	D
3	A	23	B	43	D	63	D	83	C
4	C	24	A	44	B	64	D	84	D
5	B	25	A	45	D	65	B	85	B
6	C	26	B	46	D	66	D	86	B
7	A	27	C	47	C	67	D	87	A
8	A	28	C	48	C	68	A	88	B
9	A	29	D	49	C	69	D	89	A
10	C	30	D	50	B	70	C	90	A
11	B	31	C	51	D	71	A	91	B
12	D	32	B	52	A	72	C	92	D
13	C	33	D	53	A	73	D	93	B
14	A	34	B	54	C	74	C	94	A
15	B	35	C	55	A	75	A	95	B
16	A	36	C	56	C	76	C	96	D
17	B	37	A	57	B	77	D	97	C
18	B	38	C	58	D	78	A	98	C
19	A	39	B	59	D	79	C	99	B
20	C	40	A	60	A	80	C	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 20

1	C	21	C	41	B	61	B	81	D
2	D	22	D	42	D	62	B	82	A
3	B	23	B	43	B	63	C	83	D
4	D	24	C	44	C	64	B	84	A
5	A	25	D	45	C	65	B	85	A
6	A	26	A	46	B	66	D	86	C
7	B	27	B	47	A	67	A	87	C
8	B	28	C	48	C	68	C	88	B
9	B	29	C	49	A	69	D	89	C
10	D	30	A	50	B	70	B	90	C
11	A	31	A	51	B	71	B	91	A
12	C	32	B	52	B	72	A	92	D
13	B	33	A	53	D	73	C	93	A
14	B	34	D	54	D	74	C	94	C
15	D	35	D	55	A	75	D	95	D
16	C	36	C	56	A	76	D	96	D
17	B	37	C	57	B	77	B	97	D
18	C	38	B	58	D	78	A	98	A
19	B	39	B	59	A	79	A	99	A
20	A	40	B	60	B	80	D	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 21

1	A	21	A	41	D	61	A	81	C
2	A	22	D	42	C	62	A	82	A
3	D	23	C	43	C	63	A	83	B
4	B	24	C	44	B	64	B	84	B
5	B	25	B	45	C	65	A	85	B
6	B	26	D	46	A	66	A	86	A
7	A	27	B	47	A	67	B	87	B
8	D	28	B	48	B	68	D	88	A
9	B	29	A	49	B	69	D	89	A
10	C	30	C	50	B	70	C	90	D
11	D	31	D	51	C	71	C	91	A
12	A	32	C	52	C	72	A	92	B
13	D	33	B	53	C	73	B	93	D
14	D	34	A	54	C	74	D	94	D
15	C	35	C	55	A	75	D	95	C
16	A	36	A	56	C	76	B	96	C
17	D	37	D	57	D	77	A	97	A
18	C	38	C	58	C	78	C	98	D
19	D	39	D	59	A	79	A	99	D
20	A	40	C	60	A	80	D	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 22

1	D	21	B	41	A	61	A	81	B
2	D	22	C	42	B	62	C	82	B
3	B	23	D	43	B	63	B	83	B
4	D	24	D	44	D	64	C	84	C
5	A	25	C	45	D	65	A	85	D
6	C	26	A	46	C	66	B	86	A
7	C	27	B	47	C	67	D	87	C
8	A	28	A	48	A	68	D	88	D
9	D	29	C	49	C	69	A	89	A
10	B	30	D	50	A	70	B	90	D
11	A	31	B	51	B	71	C	91	B
12	D	32	D	52	A	72	A	92	C
13	B	33	C	53	D	73	B	93	B
14	D	34	A	54	D	74	B	94	B
15	C	35	C	55	C	75	A	95	D
16	C	36	C	56	C	76	C	96	A
17	A	37	C	57	D	77	A	97	B
18	A	38	B	58	B	78	B	98	C
19	C	39	D	59	C	79	B	99	B
20	B	40	A	60	B	80	D	100	A

PHARMA BULLET

ANSWER KEY TEST PAPER – 23

1	D	21	A	41	B	61	C	81	D
2	B	22	D	42	D	62	C	82	B
3	A	23	B	43	D	63	C	83	B
4	C	24	B	44	B	64	B	84	B
5	A	25	C	45	B	65	B	85	D
6	D	26	D	46	A	66	D	86	A
7	B	27	A	47	C	67	D	87	C
8	D	28	A	48	A	68	B	88	C
9	B	29	D	49	B	69	A	89	B
10	A	30	B	50	D	70	C	90	A
11	D	31	A	51	A	71	A	91	C
12	A	32	A	52	B	72	D	92	C
13	A	33	C	53	A	73	A	93	B
14	D	34	C	54	D	74	A	94	D
15	B	35	D	55	B	75	C	95	A
16	A	36	C	56	A	76	C	96	C
17	C	37	A	57	B	77	A	97	A
18	C	38	B	58	C	78	D	98	A
19	B	39	B	59	C	79	D	99	C
20	A	40	D	60	C	80	B	100	D

PHARMA BULLET

ANSWER KEY TEST PAPER – 24

1	D	21	C	41	B	61	D	81	D
2	B	22	A	42	D	62	D	82	B
3	B	23	A	43	D	63	D	83	D
4	D	24	C	44	D	64	B	84	A
5	D	25	D	45	B	65	D	85	D
6	C	26	A	46	D	66	A	86	B
7	D	27	D	47	C	67	C	87	D
8	B	28	A	48	A	68	C	88	D
9	D	29	C	49	C	69	A	89	A
10	C	30	A	50	A	70	C	90	C
11	A	31	D	51	A	71	C	91	C
12	D	32	B	52	D	72	D	92	D
13	B	33	B	53	B	73	B	93	C
14	D	34	C	54	C	74	D	94	B
15	B	35	B	55	D	75	C	95	C
16	A	36	A	56	B	76	B	96	C
17	B	37	C	57	A	77	D	97	B
18	A	38	C	58	B	78	B	98	A
19	B	39	B	59	B	79	A	99	D
20	C	40	A	60	D	80	A	100	A

PHARMA BULLET

ANSWER KEY TEST PAPER – 25

1	C	21	B	41	C	61	C	81	D
2	C	22	C	42	B	62	D	82	D
3	C	23	B	43	B	63	D	83	D
4	A	24	C	44	B	64	B	84	A
5	D	25	C	45	C	65	C	85	D
6	A	26	D	46	A	66	C	86	A
7	C	27	B	47	C	67	C	87	B
8	C	28	D	48	D	68	A	88	D
9	D	29	B	49	B	69	A	89	D
10	D	30	C	50	C	70	A	90	A
11	D	31	A	51	A	71	B	91	B
12	D	32	D	52	A	72	C	92	D
13	D	33	C	53	C	73	B	93	C
14	A	34	D	54	B	74	A	94	B
15	A	35	A	55	C	75	B	95	B
16	C	36	A	56	C	76	B	96	C
17	B	37	C	57	A	77	D	97	C
18	B	38	D	58	B	78	C	98	A
19	A	39	B	59	B	79	B	99	B
20	C	40	C	60	C	80	B	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 26

1	C	21	C	41	A	61	C	81	D
2	B	22	A	42	B	62	C	82	D
3	B	23	C	43	D	63	A	83	C
4	D	24	D	44	A	64	A	84	B
5	A	25	D	45	D	65	C	85	D
6	B	26	C	46	A	66	C	86	A
7	C	27	A	47	D	67	A	87	D
8	C	28	D	48	A	68	C	88	B
9	D	29	B	49	B	69	A	89	D
10	A	30	B	50	B	70	A	90	B
11	A	31	C	51	A	71	A	91	D
12	A	32	A	52	A	72	B	92	D
13	B	33	D	53	D	73	D	93	D
14	A	34	D	54	C	74	A	94	C
15	C	35	C	55	D	75	B	95	C
16	C	36	A	56	C	76	B	96	C
17	B	37	C	57	A	77	D	97	D
18	D	38	B	58	D	78	B	98	B
19	A	39	B	59	A	79	B	99	D
20	C	40	B	60	A	80	C	100	B

PHARMA BULLET

ANSWER KEY TEST PAPER – 27

1	B	21	C	41	D	61	B	81	D
2	A	22	A	42	A	62	C	82	C
3	A	23	A	43	B	63	B	83	C
4	D	24	A	44	C	64	B	84	D
5	C	25	D	45	B	65	A	85	D
6	D	26	C	46	C	66	C	86	D
7	A	27	C	47	A	67	A	87	D
8	C	28	D	48	B	68	D	88	B
9	C	29	B	49	B	69	D	89	C
10	C	30	D	50	D	70	D	90	B
11	A	31	A	51	D	71	C	91	C
12	B	32	C	52	D	72	D	92	A
13	C	33	D	53	D	73	B	93	C
14	C	34	A	54	C	74	C	94	A
15	A	35	A	55	D	75	B	95	A
16	A	36	A	56	B	76	D	96	C
17	B	37	A	57	B	77	D	97	A
18	A	38	D	58	D	78	C	98	C
19	A	39	D	59	C	79	A	99	A
20	D	40	B	60	D	80	D	100	C

PHARMA BULLET

ANSWER KEY TEST PAPER – 28

1	D	21	C	41	D	61	C	81	B
2	B	22	A	42	B	62	B	82	A
3	D	23	C	43	D	63	A	83	C
4	A	24	C	44	A	64	C	84	A
5	D	25	C	45	C	65	D	85	D
6	D	26	A	46	D	66	B	86	D
7	A	27	B	47	C	67	D	87	D
8	B	28	B	48	B	68	C	88	A
9	D	29	D	49	D	69	D	89	D
10	D	30	B	50	C	70	D	90	C
11	C	31	D	51	C	71	D	91	C
12	A	32	D	52	C	72	B	92	C
13	B	33	B	53	D	73	D	93	B
14	C	34	C	54	A	74	D	94	D
15	A	35	B	55	A	75	C	95	C
16	B	36	C	56	D	76	D	96	B
17	C	37	D	57	D	77	C	97	C
18	B	38	D	58	A	78	D	98	D
19	B	39	A	59	C	79	D	99	B
20	C	40	B	60	A	80	D	100	A

PHARMA BULLET

ANSWER KEY TEST PAPER – 29

1	D	21	D	41	C	61	B	81	D
2	D	22	C	42	D	62	B	82	C
3	A	23	C	43	A	63	C	83	C
4	A	24	C	44	A	64	D	84	A
5	C	25	D	45	B	65	B	85	D
6	B	26	D	46	B	66	A	86	B
7	D	27	D	47	C	67	C	87	B
8	B	28	B	48	C	68	A	88	A
9	A	29	B	49	A	69	D	89	A
10	B	30	C	50	D	70	D	90	A
11	D	31	C	51	A	71	B	91	D
12	C	32	C	52	C	72	D	92	B
13	D	33	C	53	D	73	C	93	A
14	C	34	D	54	B	74	A	94	B
15	D	35	C	55	B	75	D	95	D
16	C	36	A	56	B	76	A	96	C
17	C	37	C	57	A	77	B	97	A
18	B	38	B	58	A	78	A	98	B
19	D	39	B	59	C	79	B	99	C
20	C	40	B	60	A	80	D	100	A

PHARMA BULLET

ANSWER KEY TEST PAPER – 30

1	D	21	D	41	B	61	C	81	D
2	B	22	C	42	C	62	C	82	C
3	C	23	D	43	C	63	C	83	B
4	D	24	B	44	C	64	B	84	C
5	A	25	C	45	B	65	B	85	C
6	B	26	C	46	D	66	B	86	C
7	A	27	D	47	B	67	D	87	A
8	D	28	A	48	D	68	A	88	C
9	A	29	C	49	D	69	A	89	C
10	A	30	B	50	B	70	A	90	C
11	B	31	D	51	B	71	A	91	A
12	B	32	D	52	D	72	A	92	C
13	A	33	B	53	A	73	A	93	C
14	D	34	C	54	B	74	D	94	A
15	A	35	C	55	A	75	B	95	A
16	D	36	C	56	D	76	D	96	A
17	A	37	D	57	B	77	D	97	D
18	D	38	C	58	B	78	C	98	A
19	B	39	D	59	B	79	B	99	C
20	A	40	A	60	C	80	B	100	D

PHARMA BULLET

PHARMA BULLET