

- 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) NH_4OH B) $\text{C}_6\text{H}_5\text{OH}$ C) H_2SO_4 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) Barbitol
- 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 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) Asparagine 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
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) Ig
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
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 coarse 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 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) swiftng 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 sterilization
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
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 (dioctylphthalate 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 counseling 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
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

DAFLA ACADEMY

MRB PHARMACIST

TEST-4

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

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