

- 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) venereal 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/BIV of haemoglobin
- 10. Which of the following drugs Inhibits the entry of viruses in the cell?**
 - A) Zidovudine
 - B) Lopinavir
 - C) Ritonavir
 - 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 diarrhea 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 noradrenaline is
A) bupropion B) Fluoxetine C) Venlafaxin D) Sertraline
29. Dry heat is often used to sterilize
A) Bacterial media B) saline solution C) oily materials D) hospital blankets
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
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°C to minimise
A) Reduction B) hydrolysis C) Methylation 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
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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 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 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°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

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