

PHARMACY-Diploma, Lateral Entry, 2015

- Acetazolamide inhibits the enzyme carbonic anhydrase. The inhibition is
(A) Non-competitive (B) Un-competitive
(C) Competitive (D) None of the above.
- Among the purine alkaloids, which compound has the highest diuretic activity:
(A) 1, 3-Dimethyl Xanthine (B) 1, 7-Dimethyl Xanthine
(C) 3, 7-Dimethyl Xanthine (D) 1, 3, 7-Trimethyl Xanthine.
- Most alkaloids occur in nature as
(A) Free bases (B) Water soluble salts
(C) Alcohol soluble salts of organic acids (D) Insoluble salts of organic acids.
- Diazepam acts by
(A) Interfering with gamma amino butyric acid (B) Inhibiting monoamine oxidase
(C) Interacting with serotonin (D) Interacting with adrenaline.
- Tranyl cypromine has the following characteristic(s)
(A) It is MAO inhibitor (B) It is a phenyl amine derivative
(C) It is trans-isomer (D) All the above.
- Amino glycoside antibiotics exert their action primarily by inhibiting
(A) Mitochondrial oxygen transport (B) Protein synthesis at ribosome level
(C) Protein transport across membranes (D) Biogenesis of membranes.
- The chill observed in malaria is due to
(A) Increase in erythrocyte count (B) Bursting of erythrocyte releasing merozoites
(C) Increase in tissue primary schizonts (D) None of the above
- According to Stokes law, creaming is indirectly proportional to
(A) Gravity (B) Viscosity of the medium
(C) Radius of dispersed phase (D) Density of dispersed phase.
- Transdermal applications are popular for the administration of
(A) Antidiabetic drugs (B) Cardiac stimulants
(C) Tranquilisers (D) Coronary vasodilators.
- Fluidised bed drier is well adopted in the pharmaceutical industry for the drying of
(A) Powders before filling capsules (B) Granules before compression into tablets
(C) Empty capsules before filling (D) Powders before mixing and granulation
- A type of flow in which viscosity increases when the substance is agitated is
(A) Dilatant (B) Newtonian
(C) Plastic (D) Pseudoplastic.
- While dispensing Pyrantal pamoate, a pharmacist should warn the patient that
(A) It causes drowsiness (B) It should be taken with food
(C) It colours urine blue (D) It colours faces red.
- In combination with dapsone the drug chosen to be administered for the treatment of leprosy is
(A) Clofazimine (B) Streptomycin
(C) Penicillin (D) Chloromycetin.
- To understand the drug receptor interactions it is necessary to quantify the relationship between
(A) Drug and its toxicity (B) Drug and its absorption
(C) Drug and its biological effect (D) Drug and its metabolic product.
- Penicillinase resistant penicillin is
(A) Amoxicillin (B) Ampicillin
(C) Penicillin (D) Methicillin.

16. Morphine is present in
 (A) *Atropa belladonna* (B) *Papaver somniferum*
 (C) *Ricinus communis* (D) *Solanum nigrum*.
17. Ranitidine inhibits gastric secretion as a result of
 (A) Inhibition of H₁ receptors (B) Inhibition of H₂ receptors
 (C) Inhibition of nicotinic receptors (D) Inhibition of muscarinic receptors.
18. For film coating, the following ingredients are commonly used except
 (A) Povidone (B) Polyethylene glycol
 (C) Carnauba wax (D) Hydroxy propyl methyl cellulose.
19. Tyndallisation means
 (A) Successive autoclaving with a bactericide (B) Successive heating with a bactericide
 (C) Successive heating at low temperature (D) Successive autoclaving at low temperature and incubation.
20. Morphine and heroin differ from each other in respect of
 (A) Methyl group on Nitrogen (B) Acetyl groups at C₃ and C₆
 (C) Absence of double bond between C₅ and C₆ (D) Absence of D ring.
21. Gray baby syndrome is due to the indiscriminate use of
 (A) Streptomycin (B) Chloramphenicol
 (C) Penicillin (D) Tetracycline.
22. In the preparation of tablets, powdered medications are mixed by moistening
 (A) To reduce the total volume (B) To increase absorption
 (C) To increase adhesiveness (D) To reduce inter particulate friction.
23. One nanometer (nm) is equal to
 (A) 10⁻⁵ cm (B) 10⁻⁶ cm
 (C) 10⁻⁷ cm (D) 10⁻⁸ cm
24. Cholinergic receptor present on intestinal muscle is
 (A) H₂ receptor (B) Muscarinic receptor
 (C) Nicotinic receptor (D) Beta receptor.
25. Injection of Insulin I.P. should be kept at pH between
 (A) 5 and 5.5 (B) 3 and 3.5
 (C) 7 and 7.5 (D) 9 and 9.5
26. Metronidazole inhibits anaerobic bacteria and protozoa by
 (A) Affecting the structure of DNA molecule of organism (B) Destroying the ribosomes
 (C) Inhibiting the cytochrome system (D) Inhibiting protein synthesis.
27. Papaverine is an alkaloid which is used for
 (A) Cough suppression (B) Analgesia
 (C) Skeletal muscle contraction (D) Vasodilation.
28. The concentration of sucrose in simple syrup B.P. is
 (A) 85% w/w (B) 60.70% w/w
 (C) 66.70% w/w (D) 40.74% w/w.
29. The HLB value of sodium lauryl sulphate is
 (A) 6.5 (B) 13.8
 (C) 25.0 (D) 40.0
30. The disintegrating time for sugar coated tablet is
 (A) 30 Minutes (B) 45 Minutes
 (C) 60 Minutes (D) 75 Minutes.
31. Anti hypertensive drug which inhibits the rennin angiotensin system is
 (A) Reserpine (B) Captopril
 (C) Methyl dopa (D) Propranolol.

32. The various penicillins which are available differ chemically
 (A) In the nature of the acyl side chain (B) In substituents on the fused ring nucleus
 (C) In spatial arrangements of atoms around an asymmetric carbon (D) In the nature of the original (naturally occurring) nucleus.
33. At ovulation there will be the highest hormonal levels of
 (A) Follicle-stimulating hormone (FSH) (B) Luteinizing hormone (LH)
 (C) Both FSH and LH (D) Progesterone.
34. Which of the following antagonizes the action of sulfonamides?
 (A) Streptomycin (B) Penicillin G
 (C) Morphine (D) p-Aminobenzoic acid.
35. Which of the following tetracycline has the longest duration of action?
 (A) Tetracycline (B) Doxycycline
 (C) Demeclocycline (D) Methacycline.
36. Gluconeogenesis occurs primarily in the
 (A) Adrenal cortex (B) Liver
 (C) Kidney (D) Skeletal muscle.
37. Which of the following drugs is most useful in the relief of acute attacks of gout?
 (A) Probenecid (B) Aspirin
 (C) Meperidine (D) Colchicine .
38. After oral administration, the greatest amount of iron absorption occurs in the
 (A) Duodenum (B) Stomach
 (C) Sigmoid portion of the large intestine (D) Transverse portion of the large intestine
39. "Devil's dung" is the synonym of
 (A) Datura (B) Cannabis
 (C) Nux-vomica (D) Asafoetida.
40. Measles vaccination is given at
 (A) Birth (B) 3-5 Months
 (C) 9-12 Months (D) Before 9 months
41. Do not drive vehicles when on therapy
 (A) Aspirin (B) Diphenhydramine
 (C) Tetracycline (D) Amoxycillin.
42. Bisacodyl should be taken at
 (A) Morning (B) Evening
 (C) Thrice daily (D) Night.
43. Tablet hardness range is normally
 (A) 0.2-0.5 kg/sq.cm (B) 0.5-1.0 kg/sq.cm
 (C) 1.0-2.0 kg/sq.cm (D) 3.5-7.0 kg/sq.cm
44. The plague is caused by
 (A) Bacteria (B) Virus
 (C) Parasite (D) Fungus.
45. Central drug research institute is situated in
 (A) Kasauli (B) Izatnagar
 (C) Lucknow (D) Kolkata.
46. One fl.ounce is equal to
 (A) 15 ml (B) 30 ml
 (C) 60 ml (D) 120 ml.
47. 1 grain is equal to
 (A) 15 mg (B) 30 mg
 (C) 60 mg (D) 120 mg.

48. Which of the following steroid shows predominant mineralo-corticoid action?
 (A) Hydrocortisone (B) Spiranolactone
 (C) Dexamethasone (D) Fludrocortisone.
49. Chemically oils and fats are
 (A) Glyceryl esters of higher fatty acid (B) Acetyl esters of higher fatty acid
 (C) Ethyl esters of higher fatty acid (D) Methyl esters of higher fatty acid.
50. Before washing the ampoules the mouth of each ampoule is rotated in Bunsen flame to melt down the round edges. This process is called
 (A) Flamming (B) Charging
 (C) Annacaling (D) Grounding.
51. Peripheral neurotransmitter is
 (A) Histamine (B) Nor adrenaline
 (C) Hydroxy tryptamine (D) Prostagladin.
52. Liquid Paraffin exhibits
 (A) Plastic flow (B) Newtonian flow
 (C) Pseudoplastic flow (D) Dilatant flow.
53. Powdered digitalis is dried at a temperature
 (A) Not exceeding 60⁰ C (B) 65⁰ C
 (C) 75⁰ C (D) 100⁰ C.
54. Indian (Tinnevelly) and African senna leaves differ from other with respect to
 (A) Stomatal number (B) Vein-islet number
 (C) Colour (D) All of the above.
55. Ellipsoidal schizolysigenous oil glands are important diagnostic characteristics of
 (A) Ergot (B) Ginseng
 (C) Cinnamon (D) Clove.
56. In osteoporosis, which of the following occur
 (A) amount of Ca²⁺ is decreased (B) amount of bone is decreased
 (C) bone formation exceeds bone resorption (D) none of the above.
57. Haemolytic anaemia due to erythrocyte deficiency of glucose-6-phosphate dehydrogenase(G6PD) would most likely be precipitated by
 (A) Primaquin (B) Ascorbic Acid
 (C) Isoniazid (D) Phenytoin
58. For general anesthesia, Thiopentone sodium is administered
 (A) Orally (B) Intramuscularly
 (C) Intravenously (D) Topically
59. Antibiotic that acts on 30S subunit of bacterial ribosome
 (A) Erythromycin (B) Chloramphenicol
 (C) Tetracycline (D) Penicillin
60. Antihistaminic drug with highly sedative action is
 (A) Diphenhydramine (B) Pheniramine
 (C) Cyclizine (D) Terfenadine