

Prepared by pharmagang as per 2019 rrb pharmacist syllabus. Questions are subject wise to make it easier for getting exam idea..

1. Function of inverse agonist is
 - a) produce effect similar to agonist
 - b) Produce lesser Effect than agonist
 - c) Produce effect in opposite direction of agonist
 - d) Prevent action of an agonist
2. what is false about Type 4, delayed hypersensitivity reaction
 - a) takes more than 12 hours to develop
 - b) mediated through production of sensitized t lymphocytes
 - c) Steven Johnson Syndrome is an example of this type of reaction
 - d) rashes and fever occurs in type 4 reaction
3. Which of the following is false about autonomic nervous system
 - a) works in skeletal muscles
 - b) Acetylcholine and noradrenaline both are transmitters
 - c) no paralysis and atrophy involved
 - d) Do not function on the level of consciousness
4. Which of the following is alpha 1 adrenergic receptor selective antagonist
 - a) clonidine
 - b) prazosin
 - c) Salbutamol
 - d) phenylephrine
5. Beta- Imidazolyl ethylamine is
 - a) adrenaline
 - b) histidine
 - c) histamine
 - d) Atropine
6. Which of the following is anti-aggregatory
 - a) thromboxane's
 - b) prostacyclin
 - c) prostaglandins
 - d) all of the above
7. which of the following is selective cox-2 inhibitor
 - a) aspirin

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- b) naproxen
- c) Paracetamol
- d) rofecoxib?

8. Identify the Uric acid synthesis inhibitor

- a) probenecid
- b) diclofenac
- c) colchicine
- d) allopurinol

9. Which of the following is an opioid analgesic

- a) isoflurane
- b) fentanyl
- c) Kitamine
- d) thiopentone sodium?

10. Which of the following is not a ultra-short acting Barbiturate

- a) Secobarbitone
- b) thiopentone
- c) methohexitone
- d) Hexobarbitone

11. Which of the following is not true about captopril

- a) it lowers BP
- b) acts by inhibiting angiotensin-converting enzyme
- c) It can cause hyperkalemia in patients suffering from impaired renal function
- d) captopril is a prodrug?

12. Sodium Potassium ATPase pump is inhibited by

- a) Digitalis
- b) Aspirin
- c) Corticosteroids
- d) Theophylline

13. which of the following is used to terminate a heart attack?

- a) isosorbide dinitrate sublingual
- b) glyceryl trinitrate GTN
- c) both of the above
- d) none of these

14. which of the following is not an antihypertensive drug?

- a) potassium sparing diuretics
- b) Methyldopa
- c) Ace inhibitors

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d) Clonazepam

15. identify the osmotic diuretic

- a) Chlorothiazide
- b) Furosemide
- c) Spironolactone
- d) Mannitol

16. Atorvastatin is a

- a) Sodium Potassium pump inhibitor
- b) prostaglandin synthesis inhibitors
- c) HMG c o a reductase inhibitor
- d) inhibitor of triglyceride synthesis

17. which of the following is not a third-generation oral cephalosporin?

- a) Cefixime
- b) cefuroxime
- c) Ceftibuten
- d) Cefpodoxime proxetil

18. Which antibiotic is associated with red man syndrome?

- a) Penicillin
- b) Chloroquine
- c) Tetracycline
- d) vancomycin

19. Which of the following is not used in treatment of Malaria?

- a) quinine
- b) Artemisinin derivatives
- c) Mebendazole
- d) proguanil

20. Which antimicrobials are associated with 8th cranial nerve toxicity?

- a) Chloramphenicol
- b) Aminoglycosides
- c) rifampin
- d) All of the above

21. Obligatory anaerobes

- a) do not require oxygen but can grow in its presence
- b) grow better in presence of oxygen
- c) do not tolerate Oxygen and die in its Presence

d) go to hibernation in presence of oxygen

22. RW Coefficient test is used to evaluate

- a) antibiotic drugs activity
- b) bactericidal activity and potency of antiseptic and disinfectants
- c) stability of liquid formulation
- d) growth rate of bacteria

23. which of the following microorganism is particularly dangerous to eye?

- a) pseudomonas aeruginosa
- b) E coli
- c) thermophilus
- d) Vibrio cholera

24. Chemical shift is expressed in one of the following units

- a) mm/ml
- b) parts per million
- c) Per centimeter
- d) Amperes

25. the wavelength source in NMR spectrometer is

- a) Klystron oscillator
- b) High Voltage generator
- c) ultraviolet rays
- d) radio frequency oscillator

26. the solvent used in NMR studies is

- a) Phenol
- b) Acetaldehyde
- c) carbon tetrachloride
- d) Chloroform

27. Mass spectrum is obtained by plotting graph of

- a) abundance of ion versus their m/e ratio
- b) molecular weight vs peak height
- c) concentration vs peak height
- d) molecular weight vs m/e ratio

28. The condition characterized by swelling, heat, redness, and pain is known as _____.

- a) Chicken pox
- b) Fibromyalgia
- c) Cushing syndrome
- d) **Inflammation**

29. The increase in symptoms or severity of a condition is a(n) _____.

- a) Endemic
- b) **Inflammation**
- c) **Exacerbation**
- d) Malignancy

30. A disease of unknown origin is referred to as _____.

- a) **Idiopathic**
- b) Pandemic
- c) Ideologic
- d) Epidemic

31. Hearts and lungs are located in

- a) Pelvic cavity
- b) **Thoracic cavity**
- c) Cranial cavity
- d) Abdominal cavity

32. Which of the following is incorrect related to blood vessels?

- a) Tunica media is thickest layer in arteries
- b) **Pressure in veins is higher than arteries**
- c) Tunica externa is thickest layer in veins
- d) Valves are present in veins only

33. Normal systolic and diastolic pressures are

- a) **120- and 80-mm Hg respectively**
- b) 130- and 70-mm Hg respectively
- c) 80- and 120-mm Hg respectively
- d) 70- and 130-mm Hg respectively

34. The mediastinum houses which of the following structures.

- a) Liver
- b) Urinary bladder

- c) Trachea
- d) Spleen

35. The bones that make up the forehead are known as the _____ bones.

- a) frontal.
- b) maxillary
- c) Parietal.
- d) temporal. zygomatic

36. What are the two myofilaments that slide past one another to allow muscle cells to contract.

- a) Myosin and collagen
- b) Actin and myosin
- c) Actin and troponin.
- d) Myosin and ATPase

37. The only special sense which is NOT functional when the child is born is

- a) hearing.
- b) taste
- c) vision
- d) smell

38. Lactose intolerance is because of the lack of

- a) acid phosphatase
- b) lactate dehydrogenase
- c) Galactase
- d) Amylase

39. Most important clue that help in determination of double helical structure of DNA came from

- a) Avery McLeod MC Karti experiment
- b) Chargaff rule
- c) Hershey chase experiment
- d) Nirenberg and Khurana's codon assignment

40. Schedule S as per drugs and cosmetics act deal with the

- a) prescription drugs which are required to be sold by retail only on prescription of RMP
- b) standards for ayurvedic products
- c) standards for cosmetics
- d) standard for ophthalmic preparations

41. which of the following is not an ex officio member of drugs technical advisory board?
a) drugs controller of India
b) president of Pharmacy Council of India
c) president of Medical Council of India
d) **President of Indian Medical Association**

42. Pharmacy Council of India was first constituted in
a) **1948**
b) 1942
c) 1958
d) 1952

43. Notified laboratory under drugs and cosmetics act, to function as Central drug laboratory for testing of Sera vaccines toxins antigens is at
a) Delhi
b) Mumbai
c) Chennai
d) **Kasauli**

44. Application for manufacturing of drugs specified in schedule c and C1, excluding schedule x is made in form number
a) Form 28b
b) Form 19
c) **form 27**
d) form 8

45. Direct selling is
a) Wholesaler to retailer
b) manufacturer to retailer
c) **manufacturer to consumer**
d) none of the above

46. Which of the following are 4Ps of marketing?
a) **Price, product, promotion, and place**
b) Process, price, product, promotion
c) price, product, People and place
d) Price, product, Physical evidence, and place

47. At what level in an organization corporate manager operate
a) middle level
b) **top level**
c) technical level

d) operational level

48. Chemical name of Amoxicillin is

- a) Beta hydroxy analogue benzylpenicillin
- b) Alpha carboxy analogue of benzylpenicillin
- c) 6- [D- (-) - α -amino - p-hydroxyphenyl acetamido penicillanic acid
- d) 4- [D- (-) - α -amino - p-hydroxyphenyl acetamido penicillanic acid

49. Acidity of ascorbic acid is due to the presence of

- a) Carboxylic groups
- b) Hydroxyl groups
- c) Enolic groups
- d) aldehyde group

50. HLB system is used to classify

- a) Surfactants
- b) oral dosage forms
- c) Preservatives
- d) Antioxidants

51. bubble point Test is done to determine

- the surface tension of the liquid in capillary tube
- pH of a solution
- volume of the solution Store
- viscosity of the liquid in Ampoules

52. The pH of Pharmaceutical buffer system can be calculated by

- a) pH partition theory
- b) Noyes Whitney law
- c) Henderson Hassel Balch equation
- d) Michaelis Menten equation

53. Which of the following is an amphoteric surfactant?

- a) Bile salts
- b) Sorbitan monostearate
- c) Lecithin
- d) none of the above

54. Benzoyl peroxide is used as

- a) a preservative
- b) Astringent
- c) Keratolytic, treatment of acne
- d) surfactant

55. Water for injection differ from sterilize distilled water because it is free from

- a) dissolved gases
- b) Antioxidants
- c) Preservatives
- d) Pyrogens

56. Which of the following is not a tablet Hardness tester?

- a) strong cobb
- b) Erweka
- c) Pfizer
- d) Rotosort

57. Mottling means

- a) separation of Tablet into two or more distinct layers
- b) unequal distribution of color on the tablet
- c) separation of tablet crown
- d) rough texture of tablet

58. Which of the following is used in the sub coating step of sugar coating, in the tablets?

- a) sticky binders such as acacia and gelatin
- b) beeswax or carnauba wax
- c) Syrup
- d) Talc

59. Droop point Test is

- e) test for dissolution of tablets
- f) test for softness of capsules
- g) temperature at which lipstick comes out
- h) maximum temperature at which shampoo can be kept

60. which of the following is used as conditioning agent in shampoo?

- i) Selenium sulfide
- j) sodium lauryl sulphate
- k) Mineral oil
- l) z p t o

61. which of the following is used commonly preservative in ophthalmic preparations?

- a) benzalkonium chloride
- b) benzoyl peroxide
- c) Phenol
- d) methyl paraben

62. which of the following is not true about Fruits?

- a) The outermost layer of epicarp is pericarp
- b) Fruits Develop from ovary wall
- c) Endocarp is the innermost layer of the pericarp
- d) Apple is a false fruit

63. Which of the following is false about growth hormones?

- a) Auxin at low concentration boost root growth
- b) indole acetic acid is an Auxin
- c) ethylene stops the flowering
- d) cytokinins are associated with cell division

64. Baljet and kedde's test are used for

- a) Alkaloids
- b) Steroid
- c) cardiac glycoside
- d) Carbohydrates

65. Vegetable gelatin is also known as

- a) Agar
- b) Indian gum
- c) guar gum
- d) Isapgol

66. Ephedra is obtained from which part of the plant

- a) dried stems
- b) dried bark
- c) Seeds
- d) dried leaves

67. Which of the following is used as rat poison?

- a) Indian squill
- b) European squill
- c) Red squill
- d) None of the above

68. Which of the following is not true about clove?

- a) Clove is obtained from flower buds
- b) Clove is a monoterpenoid
- c) it belongs to the family myrtaceae
- d) Clove oil is used as antiseptic

69. cinnamon belongs to the family

- a) Zingiberaceae
- b) Solanaceae
- c) Lauraceae
- d) Liliaceae

70. Which of the following is not an alkaloid?

- a) Ephedra
- b) curcuma longa
- c) atropa belladonna
- d) lobelia

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