

SAMPLE MCQs FOR PHARMACEUTICAL CHEMISTRY-SEM VII (CBGS/CBCS)

1. Quinidine and Procainamide
 - a. Shortens duration of action of action potential
 - b. Slows Conduction
 - c. Lengthens refractory period
 - d. Supresses automaticity
2. Adamantanes are used to treat
 - a. Influenza A
 - b. Influenza B
 - c. Influenza A and B
 - d. Influenza C
3. Which of the following belongs to the class of antimetabolites class of anticancer drug
 - a. Azaserine
 - b. Oxaliplatin
 - c. Imatinib
 - d. Melphalan
4. Which of the following drug is used to reduce intracranial pressure?
 - a. Amiloride
 - b. Mannitol
 - c. Hydrochlorthiazide
 - d. Azosemide
5. Which of the following is a glutamate antagonist
 - a. Romidepsin
 - b. Chlorambucil
 - c. Azaserine
 - d. Topotecan
6. A condition of heart that develops aa a result of an imbalance between O2 supply and O2 demand
 - a. Arrhythmia
 - b. Hypertension
 - c. Angina
 - d. Hyperlipidaemia
7. Xanthine derivatives are
 - a. Blood vessel relaxants
 - b. Skeletal muscle relaxants
 - c. Peripherally acting muscle relaxants
 - d. Smooth muscle relaxants
8. Sulphamoyl containing anti-histaminic drug
 - a. Cimetidine
 - b. Nizatidine
 - c. Famotidine
 - d. loratadine
9. Which of the following is an azepane derived hypoglycaemic drug
 - a. Tolazamide
 - b. Rosiglitazone
 - c. Troglitazone
 - d. Exenatide
10. Which of the following is a fluorine containing PPI inhibitor

- a. Nelfinavir
- b. Amprenavir
- c. Atazanavir
- d. Raltegravir

11. Which of these isomers is more active in Levocetirizine

- a. R
- b. RS
- c. SR
- d. S

12. One of the side effects seen in the below mentioned drugs is loss of libido and erectile dysfunction

- a. Sacubitril
- b. Losartan
- c. Spironolactone
- d. Eplerenone

13. Selective β -1 blocker is

- a. Hydralazine
- b. Nadolol
- c. Atenolol
- d. Terrazocaine

14. Which of the following antiviral drug is used to treat Cytomegalovirus

- a. Lamivudine
- b. Abacavir
- c. Raltegravir
- d. Ganciclovir

15. With respect to Potassium sparing diuretics, identify the incorrect statement.

- a. They can be given to patients with Hyperaldosteronism
- b. Amiloride is a potassium sparing diuretic, that blocks K channels from luminal side
- c. Spironolactone competitively inhibits mineralocorticoids
- d. They belong to the category of weak diuretics

16. Pentaerythritol tetranitrate is used as

- a. Anti-arrhythmic
- b. Anti-hypertensive
- c. Vasodilators
- d. Antihyperlipidemic

17. Nitramyl is the synonym for the drug

- a. Isosorbide Dinitrate
- b. Isosorbide Mononitrate
- c. Amyl Nitrite
- d. Nitro-glycerine

18. Verapamil is included in which group of Anti-arrhythmic classification

- a. Group-I
- b. Group-II
- c. Group-III
- d. Group-IV

19. Starting material in the synthesis of clofibrate is

- a. p-Chloro aniline
- b. Diaminopyrimidine
- c. o-chlorobenzoic acid
- d. p-chlorophenol

20. Which of the following pump is inhibited by loop diuretics?

- a. $\text{Na}^+/\text{K}^+/\text{2Cl}^-$
- b. Na^+/K^+ ATPase
- c. Na^+/Cl^-
- d. K^+/Cl^-

21. Which of the followings is an inhibitor of Topoisomerase-II

- a. Docetaxel
- b. Paclitaxel
- c. Dactinomycin
- d. Vincristine

22. Allylic hydroxylation is seen in the metabolism of

- a. Quinine
- b. Quinidine
- c. Cinchonine
- d. Cinchonone

23. Aziridinium ion is formed by which of the following drug

- a. Cyclophosphamide
- b. Azacytidine
- c. Bleomycin
- d. Dasatinib

24. As the dose increases, the diuretic activity of which of the below classes remains the same?

- a. Thiazide diuretics
- b. Osmotic Diuretics
- c. Carbonic Anhydrase Inhibitors
- d. Loop Diuretics

25. Quinidine is which stereoisomer of quinine

- a. Laevorotatory
- b. Dextrorotatory
- c. cis
- d. Trans

26. As the dose increases, the diuretic activity of which of the below classes increases?

- a. Potassium Sparing diuretics
- b. Osmotic Diuretics
- c. Carbonic Anhydrase Inhibitors
- d. Loop Diuretics

27. Disopyramide is included in which group of Anti-arrhythmic classification

- a. Group-I
- b. Group-II
- c. Group-III
- d. Group-IV

28. One of the following drugs is Angiotensin-II receptor blocker

- a. Lisinopril
- b. Perindopril
- c. Diltiazem
- d. Telmisartan

29. Which of the following drugs are associated with hormonal changes?

- a. Triamterene
- b. Amiloride
- c. Spironolactone
- d. Indapamide

30. One of the active metabolites of procainamide

- a. N-ethyl procainamide
- b. N-methyl procainamide
- c. N-acetyl procainamide
- d. N-benzyl procainamide

31. One of the following drugs is HMG-CoA reductase inhibitors

- a. Bepridil
- b. Valsartan
- c. Rosuvastatin
- d. Hydralazine

32. K channel agonist is

- a. Verapamil
- b. Disisopyramide
- c. Minoxidil
- d. Nadolol

33. Which of these is most potent as a hypoglycaemic drug

- a. Glipizide
- b. Glyburide
- c. Tolbutamide
- d. Chlorpropamide

34. Which of these belong to the category of Meglitinides

- a. Troglitazones
- b. Glyburide
- c. Repaglinide
- d. Exenatide

35. Which of the following is specific to HIV virus

- a. DNA polymerase
- b. Reverse Transcriptase
- c. RNA polymerase
- d. Viral Thymidylate kinase

36. Cyclopropyl containing NRTIs

- a. Nevirapine
- b. Efavirenz
- c. Amantadine
- d. Abacavir

37. Alkylating agents preferably bind to which of the following bases

- a. Adenine
- b. Guanine
- c. Thymine
- d. Cytosine

38. Famciclovir on metabolism gets converted into

- a. Aciclovir
- b. Gancliclovir
- c. Penciclovir
- d. Famciclovir

39. Which of the following is an orally active nitrogen mustard anticancer drug

- a. Ara-C
- b. 6-Thioguanine
- c. Vinblastine
- d. Cyclophosphamide

40. Which of the following is not a pyrimidine antagonist?

- a. 5-Fluorouracil
- b. Azacytidine

- c. 6-Thioguanine
d. Cytarabine
41. 5-Fluorouracil, on activation competes with which of the following
- a. dUMP
b. dTMP
c. dGMP
d. dCMP
42. Isosorbide-2-aminonitrate and Isosorbide-5-aminonitrate are the two metabolites of
- a. Amyl Nitrite
b. Glyceryl Trinitrate
c. Isosorbide dinitrate
d. Isosorbide mononitrate
43. In the penultimate step of Dipyridamol synthesis, one of the following reagent is used
- a. Diaminopyrimidine
b. Diethanol amine
c. Dichlorobenzoic acid
d. Diphenylamine
44. Voglibose belongs to which of the following category
- a. Beta-Glucosidase inhibitor
b. Insulin analogues
c. Sulfonylurea
d. DPP-IV inhibitor
45. Which of these is not a proton pump inhibitor?
- a. Cimetidine
b. Omeprazole
c. Rabeprazole
d. Pantoprazole
46. Which of these is a furan containing anti-histaminic drug (CBCS/CBGS)
- a. Fexofenadine
b. Famotidine
c. Ebastine/Niztidine
d. Ranitidine
47. In the synthesis of Procainamide, which of the following reagents are used
- a. N,N-diethyl aminoethyl diamine
b. N,N-Dimethyl ethylene diamine
c. N,N-Diethyl ethylene diamine
d. N,N-Diethyl ethyl ethylene diamine
48. Which of the following class does chlorthalidone belong?
- a. Pthalimides
b. Quinzolinones
c. Potassium sparing diuretics
d. Indolines
49. Which of the following is an example of alkyne containing anticancer drug?
- a. Melphalan
b. Pralatrexate
c. Methotrexate
d. Busulphan
50. Rubane is found in the structure of
- a. Nifedipine
b. Verapamil
c. Quinidine
d. Diltiazem