

St. Joseph's College Of Arts & Science (Autonomous)

Cuddalore- 607001

SUBJECT: PHARMACEUTICAL BIOCHEMISTRY

SUB CODE: PBC1015

CLASS: II M.Sc BIOCHEMISTRY

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SECTION-A

I ANSWER IN ONE SENTENCE:

1. Define conjugation .
2. Define agonist.
3. Define pharmacokinetics.
4. Name a drug to treat microbial infection.
5. Mention the use of quinine.
6. Define ionization.
7. Define antagonist.
8. What is meant by drug potency?
9. What are amino glycosides?
10. What is proguanil?
11. What is first phase metabolism?
12. Define bioavailability.
13. Give two examples for anti thyroid drugs.
14. What are quinines?
15. What is drug?
16. What is meant by drug tolerance?
17. Define infection.
18. What is chemotherapy?
19. Define Drug receptor.
20. Define bronchodialator.

SECTION-B

II 5- MARKS:

1. Explain the various routes of drug administration.
2. Write short notes on the sources of drugs.
3. Differentiate between agonist and antagonist
4. Explain in detail about G-protein coupled receptor.
5. Give an account on drug allergy.
6. Elaborate on the various factors modifying drug potency.

7. Write short notes on anti diabetic drugs.
8. Explain the mechanism of chlorpheniramine and penicillin.
9. Describe the mode of action of chloroquine and chlorophenesin.
10. Explain the mode of action of acyclovir and quinine.
11. Enumerate the factor affecting drug absorption.
12. Explain any one drug receptor model.
13. Explain the chemistry of drug receptor interaction.
14. Explain the factors which facilitate initiation of the use of drug abuse.
15. Explain the principle and methods of bioassay.
16. What is penicillin? Explain its structure and action.
17. Give an account on anticancer compounds of natural origins.
18. Explain the mode of action of chloroquine with its side effects.
19. Explain the phase I reaction of drug metabolism.
20. How are drug excreted?
21. Discuss the drug receptors?
22. Explain the mechanism of drug action.
23. Write a note on drug tolerance and intolerance.
24. Explain briefly about the drug assay.
25. Explain the mode action of antimicrobials.
26. Give an account on drugs used in therapy of bronchial asthma.
27. Explain the mode of action of antifungal drugs.
28. Comment on the models and theories of drug receptor complex
29. Differentiate between drug tolerance and drug dependence.
30. Write short notes on drug abuse and drug allergy.
31. Write about the general principle involved in chemotherapy of cancer.
32. Explain the mechanism of antithyroid drugs.

SECTION-C

III 10- MARKS

36. Explain the drug absorption.
37. Explain phases of drug metabolism with suitable example.
38. Explain G-protein coupled receptors.
39. Describe vaccination against infection. Add a note on immunization schedule.
40. Describe any two hypoglycemic drugs with its side effects.
41. Explain action and side effects of any three antifungal drugs.
42. A) Explain the various routes of drug administration.
B) List out the factors that modifying drug absorption.
43. Discuss the mechanism of drug receptor interaction.

44. Explain the mode of action of penicillin and carbimazole.
45. Write an essay of phase I and phase II reactions of drug metabolism with suitable example.
46. Elaborate on the pharmacogenetics, drug allergy, and drug intolerance.
47. Explain the mechanism of action of biguanides and sulphonylureas.
48. Describe the mechanism of antimicrobial drugs with suitable examples.
49. Elaborate on G-protein coupled receptor and ion channel linked receptor.
50. What is a drug receptor? Explain its types, subtypes and receptor theories.
51. Explain- A) Drug intolerance B) Tachyphylaxis C) Drug abuse
52. Explain the mechanism of anti microbial and anti thyroid drugs.
53. Enumerate the general principles involved in the chemotherapy of cancer.
54. Describe the mode of action of antiviral drugs and hypoglycemic drugs.
55. Give an account on anti-malarial drugs.
56. Give an account on Anti-BP drugs.