

## Chemistry-VI Important Questions

### UNIT - I

1. What are the metabolites and antimetabolites
2. What is a disease? Write the types of diseases
3. Write a note on nomenclature of drug
4. Explain about classification of drugs
5. Explain the routes of administration of drugs
6. Write a note on metabolism (Phase-I & Phase-II reactions of drug)
7. Write a note on distribution of drug (Plasma & Protein binding)
8. Active and Passive absorption of drug

### UNIT - II

9. Michaelis-Menten equation & significance of Michaelis-Menten Constant & maximum velocity
10. Factors Affecting Enzyme catalysis
11. Specificity of enzyme action
12. Types of Enzyme inhibition
13. Concept of Agonist & Antagonist with examples
14. Write the binding role of OH - group
15. Write the binding role of NH<sub>2</sub> (Amines)

### UNIT - III

16. 1. Chemotherapeutics
  - a) Sulphanilamide
  - b) Chloroquine
  - c) Penicillin-G
17. Structure of Penicillin & types of Penicillin
18. Cis-platin (Anti-cancer drug)
19. Anti-diabetics - Tolbutamide
20. AZT (Anti-Retroviral)
21. 6. Anti-Pyretic drugs
  - a) paracetamol
  - b) aspirin
22. Antacid - Omeprazole
23. Ibuprofen (Anti-inflammatory)
24. Anesthetics - Chloroform

### UNIT - IV

25. Anti-Thyroid drug - Carbimazole
26. Dopamine
27. L-Dopa (Anti-Parkinson's drug)
28. What are Hormones & Neurotransmitters
29. Write a note on sources & deficiency of Vitamins
30. Minerals
31. Adrenergic drugs [Albuterol (or) albuterol]
32. Atenolol
33. Fluoxetine {Selective serotonin reuptake inhibitors (SSRIs)}