

**Final Year B.Pharm Degree Supplementary Examinations
December 2017
PHARMACOLOGY - II
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Classify the drugs for epilepsy based on the therapeutic utility. Explain the mechanism of action of sodium valproate. Explain the reasons for any two adverse effects of phenytoin. (4+4+2)
2. Classify anti-retroviral agents. Explain the mechanisms of actions and adverse effects of each class of drugs. (3 +5+ 2)
3. Define pro-kinetics with examples. Describe the mechanism of action of pro-kinetics. Add a note on the therapeutic uses of pro-kinetics (2+4+4)

Short notes

(14x5=70)

4. Explain the mechanism of action of alkylating agents. List its adverse effects
5. Explain mechanism of action and adverse effects of amphotericin-B
6. Classify NSAIDs. What are the advantages of COX2 selective drugs.
7. Define bio-assay and describe any one bio-assay method
8. List out the drugs used for the treatment of depression. Describe the mechanism of action of tricyclic antidepressants
9. Cholinergic activators as drugs for Alzheimer's disease
10. Symptoms and treatment of arsenic poisoning
11. Classify local anesthetics with examples. Why vasoconstrictors are often combined with local anesthetics.
12. Classify anticoagulants with examples. Explain the mechanism of action of heparin
13. Describe the mechanism of osmotic diuretics and carbonic anhydrase inhibitors.
14. Explain the different approaches in gene therapy
15. Describe the steps involved in cell mediated immune system
16. Explain the mechanisms of actions of drugs used in gout
17. Outline the role of placebo in clinical trials and add a note on post marketing surveillance.
