

**Final Year B.Pharm Degree Examinations May 2017**  
**PHARMACOLOGY - II**

**(2012 scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Classify anticancer agents with examples. Describe the mechanism of action and adverse effects of alkylating agents.
2. Classify antiepileptic drugs based on chemical structure. Describe the mechanism of action of antiepileptics with the help of a neat diagram.
3. Explain the molecular mechanism of action of opioids. Describe the pharmacological actions of morphine in the CNS.

**Short notes**

**(14x5=70)**

4. Explain the principles of radioimmunoassay.
5. Describe the mechanism of action of cyclosporine
6. Explain the mechanism of action of SSRIs
7. Define local anesthetics and classify them with examples. Describe the mechanism of action of local anesthetics
8. Dopaminergic agonists as antiparkinsonian agents
9. The toxicity studies in pre-clinical screening
10. Explain mechanism of action and adverse effects of amphotericin-B
11. Explain how different classes of antibiotics affect bacterial protein synthesis.
12. Describe the mechanism of action, adverse effects and uses of thiazide diuretics.
13. Explain the different approaches in gene therapy
14. Compare and contrast heparin and warfarin.
15. Classify NSAIDs and describe the general mechanism of actions.
16. Describe the mechanism of action of prokinetics.
17. Management of methanol poisoning

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