

PHARMACOLOGY - II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Define sedatives and hypnotics. Classify with examples. Describe the mechanism of action of barbiturates. (1+4+5)
2. Classify antifungal agents with examples. Describe the mechanism of action of different classes of antifungal drugs (4+ 6)
3. List the proton pump inhibitors. Discuss its mechanism of action. Discuss its pharmacological actions and therapeutic actions. (2+4+2 + 2)

Short notes

(14x5=70)

4. Explain the pharmacological actions of aspirin. What is salicylism.
5. Mechanism of action of SSRIs
6. Give the role of placebo in clinical trial.
7. List the major toxicities of antipsychotic agents
8. Explain the mechanisms of action of tacrolimus and glucocorticoids
9. Explain the implications of the combination of l-dopa and carbidopa
10. Mechanism of action of penicillins
11. Explain the mechanism of action of local anesthetics with a neat diagram.
12. Explain the mechanism of action of warfarin, and low molecular weight heparins with a neat diagram
13. Mechanism of action of loop diuretic and potassium sparing diuretic.
14. Describe one bioassay method of insulin.
15. Explain the mechanism of action of cotrimoxazole and its clinical uses
16. Classify anti-tubercular drugs with examples. Explain the mechanism of action of any one first line anti-tubercular drug.
17. Classify purgatives with examples. Describe the mode of action of any one group.