

Pharmacology II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Explain the spectrum of activity and mechanism of action of penicillin. How microbes develop resistance to antibiotics.
2. Define hypertension and classify anti-hypertensive with examples. Explain the mechanism of action and adverse effects of clonidine.

Answer briefly:

(10x5=50)

3. Classification and mechanism of action of local anesthetics.
4. Stages of general anesthesia.
5. Microtubule damaging agents in cancer chemotherapy.
6. Alcohol aversion therapy.
7. Classify NSAIDS.
8. Levodopa in parkinsonism.
9. Hallucinogens.
10. Drugs used in the treatment of peptic ulcer.
11. Pharmacology of thiazide diuretics.
12. Classify anti-arrhythmic agents.

Short notes:

(10x3=30)

13. Enlist different opioid receptors and give its mechanism of action.
14. Parenteral iron.
15. Erythropoietin.
16. Pro kinetic agents.
17. Demelanizing agents.
18. Metronidazole.
19. DOTS in tuberculosis.
20. NRTI.
21. Anti-motility drugs.
22. Antiseptic.
