

Final Year B. Pharm (Ayurveda) Degree Examinations October 2018

Pharmacology II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:**(2x10=20)**

1. Classify cephalosporins. Discuss the mechanism of action, bacterial spectrum, drug interaction, adverse effects and therapeutic uses of cephalosporins.
2. Define cardiac glycosides. Discuss the mechanism of action of digoxin with a neat labeled diagram. Add a note on the adverse effect and therapeutic uses of digoxin.

Answer briefly:**(10x5=50)**

3. Classify the drugs used in AIDS. Discuss about the pharmacology of any three class of drugs.
4. Different types of neurotransmitters in CNS.
5. Classify the local anesthetics. Mention the mechanism of action of local anesthetics with a neat labeled diagram. Enlist the therapeutic uses.
6. Discuss the lifecycle of malarial parasite. Mention the classification of anti-malarial. Add a note on mechanism of action and adverse effect of quinine.
7. Define and classify tranquilizers. Mention the pharmacology of chlorpromazine.
8. Explain Renin Angiotensin Aldosterone System (RAAS) regulating blood pressure and fluid volume. Mention the pharmacology of ACE inhibitors with example.
9. Classify the anti-parkinsonism drugs. Discuss the mechanism of action and adverse effect of levodopa.
10. Pharmacology of atypical antidepressants.
11. Explain the classification of vasodilators. Add a note on mechanism of action and adverse effects of nitrates.
12. Pharmacology of H₂ receptor blockers for peptic ulcer.

Short notes:**(10x3=30)**

13. MAO inhibitors
14. Drug therapy in status epilepticus
15. Mechanism of action and adverse effect of sodium valproate
16. Antimicrobial resistance
17. Cathartics
18. DOTS therapy in TB.
19. Ayurvedic drugs used as appetizers
20. Adverse effects and therapeutic uses of penicillin
21. Drug therapy in filariasis
22. Opioid receptors
