

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2024****Pharmacology I****Time: 3 Hours****Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*

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

1. Explain about different routes of drug administration with special emphasizes on its merit and demerits.
2. Write in detail about adrenergic neurotransmission with suitable diagram. Write about drugs acting on it.

Short notes:**(10x5=50)**

3. Discuss about signal transducer mechanism in cholinergic receptors.
4. Define plasma protein binding. Write about its clinical significance.
5. Classify anticholinergics. Discuss the pharmacology of atropine
6. Classify anticholinesterases. Write about symptoms and treatment of organophosphate poisoning.
7. Write briefly acute, sub-acute, sub chronic and chronic toxicity studies
8. Mydriatics and miotics
9. Pharmacology of fat soluble vitamins
10. Principle and application of radioimmuno assay
11. Classification and pharmacology of antitussives
12. Biotransformation of drugs

Answer briefly:**(10x3=30)**

13. Define terms a. pharmacology b. posology c. receptors
14. L-Asparaginase
15. Therapeutic index
16. Sources of drugs
17. Anabolic steroids
18. Helium
19. Tissue storage of drugs with examples
20. Immunostimulants
21. Volume of distribution
22. Phase IV clinical trial
