

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2023**

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. What are adrenergics. Classify with examples. Discuss the pharmacological actions of adrenaline. (1+4+5)
2. Discuss the various factors which modify the final effects of a given drug.

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

3. Non renal drug excretion.
4. Phase 1 reactions in drug biotransformation.
5. Therapeutic applications of water soluble vitamins.
6. What are immunosuppressants. Classify with examples. Mention their uses.
7. Diagnosis and management of myasthenia gravis.
8. Therapeutic applications and adverse effects of adrenocorticosteroids.
9. Bioassay of D-tubocurarine.
10. Different types of toxicity studies conducted during drug development.
11. Therapeutic applications of hyaluronidase and asparaginase.
12. Oral contraceptives.

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

13. Antitussives.
14. Define functional antagonism.
15. Orphan drugs.
16. Rationale for using cetirizine in allergic reactions.
17. What are miotics. Give an example.
18. Rationale for giving ritodrine in threatened abortion.
19. Why adrenaline is combined with local anesthetic.
20. Benefits and drawbacks of intravenous routes of drug admission.
21. G-protein coupled receptors.
22. Indications for bioassay.
