

**Third B.Pharm (Ayurveda) Degree Regular/Supplementary Examinations  
April 2021**

**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. Enumerate the various routes for drug administration. Mention the advantages and disadvantages of each route. (4+6)
2. Define bioassay and discuss the different types of bioassay with examples. Describe one method for the bioassay of insulin. (1+5+4)

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

3. What are mydriatics. Give examples. Mention the clinical uses of mydriatics.
4. Major drug receptor families based on the transduction mechanisms.
5. Explain pharmacokinetics of a drug. Give two examples for pharmacokinetic drug interactions.
6. Discuss the different phases of evaluation of a new drug in human beings.
7. Outline the main pharmacological actions of acetyl chloride
8. Beta adrenergic blocking agents.
9. What are corticosteroids. Outline the demerits of prolonged steroid therapy.
10. Classify with examples the different types of drugs used in the management of asthma.
11. Discuss the mechanism of action, uses and adverse effects of oral contraceptives.
12. What are chelating agents. Discuss with examples their role in heavy metal poisoning

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

13. What are tocolytics. Give two examples.
14. Define first pass metabolism.
15. Define synergism with example.
16. Explain interatogenic drug. Give example
17. Differentiate between para sympathomimetic and para sympatholytic.
18. What are anabolic steroids. Give examples.
19. Therapeutic applications of anticholinesterases
20. Therapeutic index
21. Differentiate between drug tolerance and drug intolerance
22. Rationale for using immunosuppressants after organ transplantation

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