

# **2012 Scheme**

**QP CODE: 313006**

**Reg. No: .....**

**Third Year B.Pharm Degree Supplementary Examinations March 2025**

## **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*
- *Draw table/diagrams/flow charts wherever necessary*

### **Essays**

**(3x10=30)**

1. Define biotransformation. Explain the phase I and phase II reactions of biotransformation with suitable examples
2. Classify anti-anginal drugs with examples. Write the mechanism, pharmacological actions, uses and side effects of glyceryl trinitrate
3. Discuss the steps involved in adrenergic neurotransmission and highlight the drugs altering the adrenergic neurotransmission

### **Short notes**

**(14x5=70)**

4. Transdermal drug administration
5. Discuss about the first pass metabolism
6. Mechanism of action and uses of digoxin
7. Drug therapy in pediatrics
8. Drugs used for myasthenia gravis
9. Pharmacological actions of histamine
10. Renin angiotensin system and drugs modifying it
11. Brief about insulin analogues
12. Anabolic steroids
13. Classify antiarrhythmic drugs with examples
14. Add a note on antitussive agents
15. Types of drug interactions with examples
16. Significance of chrono-pharmacology in therapy
17. Describe about the acute toxicity study in animals

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