

# **2012 Scheme**

**QP CODE: 313006**

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

## **Third Year B.Pharm Degree Supplementary Examinations January 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*
- *Draw table/diagrams/flow charts wherever necessary*

#### **Essays**

**(3x10=30)**

1. What is plasma protein binding. Explain clinically significant implications of plasma protein binding.
2. Explain pharmacological actions of cholinergic drugs with receptor mechanism.
3. Classify antihypertensive drugs with suitable examples. Explain the mechanism of actions of any two antihypertensive drugs.

#### **Short notes**

**(14x5=70)**

4. Define drug interaction. Classify and explain any two mechanisms of drug interactions.
5. Explain any five actions of glucocorticoid.
6. Classify  $\beta$ -adrenergic blocking drugs with suitable examples and explain any two pharmacological actions of propranolol.
7. Explain the synthesis, transport, excretion and action of thyroid hormone.
8. Explain the mechanism of actions of cardiac glycosides. Add a note on pharmacotherapy of heart failure.
9. Explain pathophysiological roles of histamine and write the uses of antihistaminic drugs.
10. Classify the drugs used for bronchial asthma with suitable examples. Explain the mechanism of actions of methyl xanthenes.
11. Explain the mechanism of action and pharmacological actions of insulin.
12. Enumerate various routes of drug administration
13. Combined effects of drugs.
14. List out the drugs used for glaucoma and explain the mechanism of action of any one drug.
15. Define the terms genotoxicity, acute and chronic toxicity.
16. Explain chronopharmacology. Write its clinical significance.
17. Define mydriatics and miotics. Name any two examples each with their clinical uses.

\*\*\*\*\*