

# **2010 Scheme**

**QP CODE: 303006**

**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. Classify anticholinergics with suitable examples and describe the pharmacology of acetylcholine.
2. Classify drugs used in bronchial asthma. Explain the pharmacology of mucolytic agents.
3. Discuss on heavy metal poisoning and its management with chelating agents

**Short notes**

**(14x5=70)**

4. Classify anti-hypertensive drugs. Explain the mechanism and pharmacological actions of clonidine.
5. List the various routes of administration and explain various types of parenteral routes of administration.
6. Explain the effect of Propranolol and Isoprenaline on heart
7. Define the term adverse drug reactions and drug dependence.
8. Explain any five factors affect drug absorption with suitable examples.
9. Outline the synthesis, storage and release of Serotonin
10. Categorize antihistamines based on their sedative properties with suitable examples and explain the mechanism and adverse reaction of 2nd generation antihistamines.
11. Explain the synthesis and release of thyroid hormones
12. Justify the beneficial effect of estrogen and progestin combination as oral contraceptive and its mechanism.
13. Describe the general principle of acute and sub-acute toxicity studies
14. Classify adrenergic receptors and explain the mechanism and pharmacological action of adrenaline
15. Explain the mechanism and types of drug allergy
16. Describe the synthesis and pharmacological action of parathyroid hormone
17. Explain the various serotonin receptors with agonist and antagonist

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