

# **2010 Scheme**

**QP CODE: 303006**

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

## **Third Year B.Pharm Degree Supplementary Examinations January 2022**

### **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 and discuss the various factors affecting drug metabolism
2. Classify uterine relaxants and explain the pharmacology of oxytocin
3. List the various oral hormonal contraceptives and discuss on ADRs and contraindications of hormonal contraceptives

#### **Short notes**

**(14x5=70)**

4. Explain the various types of membrane transport mechanism
5. Describe first pass metabolism with suitable examples
6. Classify drugs used in bronchial asthma.
7. Classify antitussives and explain the mechanism of cough
8. List out synthetic androgens and explain the mechanism of action of male sex hormones
9. Explain the synthesis and pharmacological action of thyroid hormones
10. Classify antihistaminics with suitable examples.
11. Explain the synthesis and pathological role of Bradykinin
12. Explain the release, mechanism, pharmacological action, ADR and uses of insulin
13. Classify anti-arrhythmic drugs and explain the mechanism and adverse reaction of Quinidine
14. Classify hypolipidemic drugs and explain the pharmacology of statins
15. List any three mydriatic drugs and their mechanism of dilation
16. Enlist any five medicines that should avoid during pregnancy and explain its reaction and mechanism.
17. Explain the transduction pathway and receptor mechanism of enzyme – linked receptors.

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