

**B.PHARM. DEGREE EXAMINATION
THIRD YEAR
PAPER IV – PHARMACOLOGY – I**

Q.P. Code: 564264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain various routes of administration with their advantages and disadvantages. Add a note on novel drug delivery system.
2. a) Classify the Drugs.
b) Explain the mechanism of action, pharmacological action, therapeutic uses and adverse reaction of Acetylcholine.

II. Write notes on:

(8 x 5 = 40)

1. Define angina pectoris and classify the antianginal drugs.
2. Selective serotonin reuptake inhibitors.
3. Factors affect the drug absorption.
4. Bioassay of Digitalis.
5. Write the Pharmacological action and uses of Aspirin.
6. Classify Antitussives and expectorants with suitable examples.
7. Classify Diuretics. Mention the adverse effects of loop diuretics.
8. Write brief note about Selective β_2 agonists and its uses.

III. Short answers on :

(10 x 2 = 20)

1. Define Pharmacoeconomics.
2. Define Bioavailability.
3. Name any two sympathomimetic drugs.
4. Give two examples of centrally acting skeletal muscle relaxants.
5. Write the treatment of acute alcoholism.
6. Write the different stages of General anaesthetics.
7. Define Cardiac arrhythmias. Give two examples of antiarrhythmic drugs.
8. Write any two drugs used angiotensin converting enzyme inhibitors and uses.
9. Define Bio-transformation.
10. Define Bronchospasm.
