

**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. a) What is Biotransformation? Elaborate the various phases of biotransformation reaction with suitable examples.
b) Define Bioassay. Explain the Bioassay of d-tubocurarine.
2. Classify NSAIDs. Discuss the mechanism of action, pharmacological action, side effects and uses of Aspirin.

II. Write notes on:

(8 x 5 = 40)

1. What are the factors modifying drug action?
2. Write a note on potassium channel openers.
3. Write the actions of Angiotensin-II receptor blockers (ARBs) in hypertension.
4. Write a note on Ganglionic blocking agents.
5. Principles of treatment of digitalis poisoning.
6. Write the stages of general anaesthesia.
7. Write a note on centrally acting skeletal muscle relaxants.
8. Mechanism of action of diazepam and its uses.

III. Short answers on :

(10 x 2 = 20)

1. What is montelukast?
2. What are Atypical antipsychotics?
3. Define tachyphylaxis.
4. Name two drugs used in congestive cardiac failure.
5. What is status asthmaticus, site the drug of choice?
6. Give two examples for competitive antagonism.
7. Give two examples for class I-A anti-arrhythmic drugs.
8. What are osmotic diuretics? Give two examples.
9. Name two therapeutic uses of bromocriptine.
10. What is amitriptyline?