

**Second Year BPT Degree Regular/Supplementary Examinations  
June 2021**

**Pharmacology  
(2016 Scheme)**

Time: 3 hrs

Max marks: 80

- *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**

**(2x15=30)**

1. Classify skeletal muscle relaxants with examples. Mention the mechanism of action, therapeutic uses and adverse effects of d-tubocurarine. (5+2+4+4)
2. Classify glucocorticoids with examples. Describe the mechanism of action, adverse effects and uses of hydrocortisone. (5+3+3+4)

**Short Essays**

**(2x10=20)**

3. Define the terms bioavailability of drugs. Describe the factors influencing the drug absorption and bioavailability by oral route. (2+8)
4. Classify drugs used in treatment of bronchial asthma. Explain the mechanism of action, uses and adverse effects of sympathomimetics. (4+2+2+2)

**Short Answers**

**(10x3=30)**

5. Name two ACE inhibitors. Mention one use and important side effect of ACE inhibitors.
6. General toxicities of anticancer drugs.
7. Uses of atropine.
8. Drugs used in Parkinsonism
9. Mechanism of action and uses of omeprazole.
10. Two examples of antiepileptic drugs and mechanism of action of any one.
11. Pharmacological actions of morphine
12. Drugs for Diabetes Mellitus
13. Mechanism of action and uses of Antidepressants
14. Mention two uses and one important adverse effect of aspirin.