

**Second Year BPT Degree Supplementary Examinations
March 2019**

Pharmacology

(2016 Scheme)

Time: 3 hrs

Max marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x15=30)

1. List four opioid analgesics. Explain their mechanism of action, pharmacological actions, uses and adverse effects. (2+2+5+3+3)
2. Explain the pharmacological basis for using angiotensin converting enzyme inhibitors (ACEIs) in hypertension and list their other uses. List four other classes of antihypertensive drugs with examples for each. Enumerate uses and adverse effects of any one of the classes listed. (3+2+4+3+3)

Short Essays

(2x10=20)

3. Classify neuromuscular blockers with examples. Explain the mechanism of action of any one of them and list its uses and adverse effects. (3+3+2+2)
4. Mention three classes of drugs used in the treatment of bronchial asthma with examples for each. Explain the mechanism of action of any two classes and list their adverse effects. (4+4+2)

Short Answers

(10x3=30)

5. Advantages and disadvantages of intravenous route of drug administration.
6. Pharmacological action of atropine on eye and exocrine glands
7. Two examples of antipsychotic drugs and mechanism of action of any one of them
8. Pharmacological actions of aspirin
9. Mechanism of action and uses of erythromycin
10. Adverse effects of levodopa
11. Factors affecting drug absorption
12. List two antidiabetic drugs and describe mechanism of action of any one of them
13. List two antifungal drugs and their uses
14. Examples and uses of H₂ blockers