

Second Year BPT Degree Examinations September 2018**Pharmacology****(2016 Scheme)****Time: 3 hrs****Max marks: 80**

- Answer all questions
- Draw diagrams wherever necessary

Essays**(2x15=30)**

1. Describe advantages and disadvantages of following routes of drug administration and mention two drugs administered through each route: (3+3+3+3+3)
 - Oral
 - Intravenous
 - Intramuscular
 - Transdermal
 - Sublingual
2. Classify peripherally acting skeletal muscle relaxants. Explain the mechanism of action, uses and adverse effects of any one of them. List three centrally acting skeletal muscle relaxants and mention their three uses. (3+3+3+3+3)

Short Essays**(2x10=20)**

3. List three each non-steroidal anti-inflammatory drugs (NSAIDs) and disease modifying anti-rheumatic drugs (DMARDs) used in the management of rheumatoid arthritis. Explain the mechanism of action of NSAIDs and any one of the DMARDs. List three each pharmacological actions and adverse effects of NSAIDs. (3+4+3)
4. Classify drugs used in the treatment of Parkinson's disease. List three each advantages and disadvantages of combining levodopa with carbidopa. List peripheral and central adverse effects of levodopa. (4+3+3)

Short Answers**(10x3=30)**

5. Classification of receptors with an example for each
6. Definition of local anesthetic with four examples of drugs
7. Uses of adrenaline
8. Mechanism of action of nitroglycerine
9. Proton pump inhibitors
10. Two examples of penicillins and mechanism of action
11. Uses of corticosteroids
12. Four drugs used in the treatment of HIV infection and adverse effects of any one of them
13. Examples and uses of benzodiazepines
14. Angiotensin Converting Enzyme inhibitors.