



51211

**Second B.P.T.H. (2012) Examination, Summer 2016  
PHARMACOLOGY**

Total Duration : 2 Hours

Total Marks : 40

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for **all** sections.

1. Short answer question (**any five** out of six) : **(5x3=15)**
  - a) Mention three therapeutic uses and three adverse effects of Adrenaline.
  - b) Classify skeletal muscle relaxants. Write their two therapeutic uses and two adverse effects.
  - c) Describe mechanism of action and two therapeutic uses of Omeprazole.
  - d) Classify drugs used in the treatment of Parkinsons disease. Mention the advantages of Ropinirole over levodopa in the treatment of Parkinsonism.
  - e) Mention three therapeutic uses and three adverse effects of Glucocorticoids.
  - f) Define bio-availability. Mention four factors affecting bio-availability.
2. Short answer question (**any five** out of six) : **(5x5=25)**
  - a) Describe mechanism of action, four therapeutic uses and three adverse effects of Aspirin.
  - b) Enumerate various parenteral routes of drug administration. Mention three advantages and three disadvantages of Intravenous route.
  - c) Enumerate beta- blockers. Describe mechanism of action, three therapeutic uses and two adverse effects of beta-blockers.
  - d) Classify Penicillins. Mention mechanism of action, three therapeutic uses and two adverse effects of Penicillin.
  - e) Enumerate three Atropine substitutes along with their uses, giving suitable examples.
  - f) Describe mechanism of action, two therapeutic uses and two adverse effects of Insulin. Enumerate various Insulin analogues.