



**J-014-003408**

Seat No. \_\_\_\_\_

**M. P. M. (Sem. IV) Examination**

**June / July - 2019**

**Pharmacology - I**

**Faculty Code : 014**

**Subject Code : 003408**

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Attempt three questions from each section.
  - (2) Questions 1 and 5 are compulsory.
  - (3) Tie each section separately.
  - (3) Figure to the right indicates full marks for the respective question.

**SECTION - I**

- 1 Answer the following : (any seven) 14**
- (1) Give advantages of oral route.
  - (2) Explain: Adverse Event
  - (3) Explain Therapeutic window
  - (4) Define: Loading dose
  - (5) Differentiate between: Somatic and autonomic nervous system
  - (6) Give the type and location of Muscarinic receptor.
  - (7) Explain the term: Rare disease
  - (8) Enlist the factors affecting the absorption of the drug.
  - (9) Explain the term: Synergism
  - (10) Write mechanism of actions and adverse effects of salbutamol.
- 2 Answer the following : 13**
- (1) Enlist types of receptors. Write on G protein receptor. 7
  - (2) Write a note on Adverse drug reactions. 6

- 3** Answer the following : **13**
- (1) Write note on DRC. **7**
  - (2) Enlist basic processes involved in pharmacokinetics. Explain phase 1 Biotransformation. **6**
- 4** Answer the following : **13**
- (1) Differentiate competitive and non-competitive antagonism. **7**
  - (2) Write note on Drug elimination. **6**

## SECTION - II

- 5** Answer the following : (any **two**) **14**
- (1) Classify Anticholinesterases. Give its mechanism of action and therapeutic uses.
  - (2) Write a note on: Prostaglandins
  - (3) Classify parasympathomimetic with examples. Describe how the Ach is synthesized, released and are destroyed in the body.
- 6** Answer the following : **13**
- (1) Discuss Myasthenia gravis in detail. **7**
  - (2) Write pharmacological actions of atropine and symptoms of its poisoning. **6**
- 7** Answer the following : **13**
- (1) Write therapeutic uses of Sotalol. **7**
  - (2) Enlist autocooids. Write pharmacological actions of 5-HT. **6**
- 8** Answer the following : **13**
- (1) Classify neuromuscular blockers. Write on M/A and uses of d-tubocurarine. **7**
  - (2) Describe in detail about central cough suppressants. **6**