



**JBT-16120107010406000** Seat No. \_\_\_\_\_

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

**January - 2020**

**Pharmacology - I**

Time : 3 Hours]

[Total Marks : 75

**Instruction :** Figure to the right indicates full marks for the respective question.

- 1 Answer the following : **10×2=20**
- (1) Give the advantages and disadvantages of Oral route.
  - (2) Explain : Synergism
  - (3) Explain : Therapeutic range
  - (4) Define : Loading dose
  - (5) Differentiate between: Sympathetic and Parasympathetic nervous system
  - (6) Give the type and location of Adrenergic receptor.
  - (7) Give the classification of Neurotransmitters.
  - (8) Give the formulas to calculate Children dose.
  - (9) Explain the term : ADE
  - (10) Write the uses of Parasympathomimetic.
- 2 Answer the following (any two) : **2×10=20**
- (1) Enlist types of receptors. Write on Metabotropic receptor.
  - (2) Enlist basic processes involved in pharmacokinetics. Explain Metabolism in detail.
  - (3) Classify drugs acting on sympathetic system and explain synthesis of NA in detail.
- 4 Answer the following : (Any Seven) **7×5=35**
- (1) Write a short note on opioid analgesics.
  - (2) Describe local anaesthetic agents in detail.
  - (3) Classify neuromuscular blockers. Write on M/A and uses of d-tubocurarine.
  - (4) Write detailed classification of sedative hypnotic drugs.
  - (5) Classify the drugs used in convulsions.
  - (6) Write a short note on Drug tolerance.
  - (7) Write a short note on Levodopa.
  - (8) Write therapeutic uses of Propranolol.
  - (9) Write a short note on Drug interactions.