

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF VOCATIONAL STUDIES**  
**DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES**  
**B.Sc. Med. Sci, April – 2023 Examination**

**Year: 2**

**Subject Code: 19100211**

**Subject Name: Pharmacology**

**Date: 17/04/2023**

**Time: 10.00 am to 1.00 pm**

**Total Marks: 70**

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**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1(A): Answer the following questions in details (2 out of 3) (Each worth 7.5 marks) 15 marks**
- (i) Therapeutic uses and adverse effects of corticosteroids
  - (ii) Mention 4 types of drug receptors and explain about GPCR(G Protein Couple Receptor) in detail
  - (iii) Treatment of myocardial infarction
- Q.1(B): Answer in short (5 out of 7) (Each worth 1 marks) 05 marks**
- (i) Name TWO sources of drug information.
  - (ii) Define: agonist
  - (iii) Name 2 antianxiety agents
  - (iv) Name 2 vasopressin antagonists
  - (v) Define: Prodrug.
  - (vi) Name 2 clinical disorders of growth hormone
  - (vii) Name 2 oral chelating agents
- Q.2(A): Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15 marks**
- (i) Differentiate between aspirin and paracetamol
  - (ii) Medicinal uses of alcohol
  - (iii) Sources of drugs with examples
  - (iv) Treatment of hypertension
  - (v) Differentiate between hyperthyroidism and hypothyroidism
- Q.2(B): Answer in short (5 out of 7) (Each worth 1 marks) 05 marks**
- (i) Define: oxytocics
  - (ii) Mention 2 advantages of parenteral route
  - (iii) Which is the primary site of biotransformation?
  - (iv) Define: tolerance
  - (v) Full form of COPD
  - (vi) Define: Demulcent
  - (vii) Name 2 sources of vitamin B12
- Q.3: Write a detailed note on the following (2 out of 3) (Each worth 7.5 marks) 15 marks**
- (i) Note on drug poisoning
  - (ii) 1<sup>st</sup> line drug of tuberculosis
  - (iii) Explain mechanism of action of loop diuretics with ADRs
- Q.4: Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15 marks**
- (i) Transdermal patch
  - (ii) Define 0 and 1<sup>st</sup> order kinetics
  - (iii) Mention therapeutic uses of morphine
  - (iv) Functions of calcium
  - (v) What ideal qualities should an ideal antiseptic or disinfectant possess?