

**Instructions:**

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

**Q1. Long Answer questions**

2 X 10 = 20

- a. Enumerate Opioid analgesics. Briefly describe their mechanism of action, uses and side effects.
- b. Classify oral anti-diabetic drugs. Briefly describe mechanism of action, adverse effects & contraindications of metformin.

**Q2. Short Answer Questions**

4 X 5 = 20

- a. Enlist four non-steroidal anti-inflammatory drugs. Mention their uses & contraindications.
- b. Classify cephalosporins. Mention uses and adverse effects of ceftriaxone.
- c. What is pre-anaesthetic medication? Mention various drugs used for it, giving reasons, for the administration.
- d. Briefly explain mechanism of antimicrobial resistance with suitable examples.

**Q3. Very Short Answer Questions**

1 X 10 = 10

- e. Define local anaesthetics & mention their two indications.
- f. What are insulin sensitizers? Give one example
- g. What are tocolytics? Give one example
- h. Mention two anti-retroviral drugs.
- i. Mention two combined OCPs (oral contraceptives)
- j. What is live vaccine? Give one example.
- k. What are keratolytics? Give one example.
- l. Mention one prostaglandin analogue. Write its one indication.
- m. Enlist drugs used in treatment of thyroid storm.
- n. Enlist any two monoclonal antibodies.