



**BCB-4820**                      Seat No. \_\_\_\_\_  
**Second Year B. D. S. Examination**  
**August - 2021**  
**Pharmacology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Write each section in separate answer book.
  - (2) Draw figure wherever necessary.
  - (3) Figures on right indicate marks.
  - (4) Attend all the questions.

**SECTION I**

- 1. Answer (Any one) 10**
  - a. Describe pharmacological actions, mechanism of action, clinical uses and adverse effects of morphine.
  - b. Classify local anaesthetics agents. Write mechanism of action, pharmacological actions and adverse effects of lignocaine.
- 2. Answer in Brief (Any five) 10**
  - a. Write four uses of atropine
  - b. Write four adverse effects of nitroglycerine.
  - c. Write mechanism of action of heparin.
  - d. Name four local haemostatic agents
  - e. Advantages of inhalation route with example
  - f. What is loading dose? Explain with example
- 3. Write short notes (Any Five) 15**
  - a. Fluoride
  - b. Metoprolol
  - c. Succinylcholine
  - d. Enalapril
  - e. Pharmacological bases of carbamazepine in trigeminal neuralgia
  - f. Furosemide

**SECTION II**

- 4. Answer (Any one) 10**
  - a. Classify NSAIDs. Describe mechanism of action, adverse effects, uses and contraindications of aspirin.
  - b. Classify fluoroquinolones. Describe mechanism of action, adverse effects and uses of ciprofloxacin.

- 5. Answer (Any two) 10**
- a. Superinfection
  - b. Metronidazole
  - c. Vitamin D
- 6. Answer in brief (Any five) 15**
- a. ORS
  - b. Adverse effects and contraindications of glucocorticoids
  - c. Metformin
  - d. Azithromycin
  - e. Sumatriptan
  - f. Posaconazole
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