



**P-4820**

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

**Second Year B. D. S. Examination**

**July - 2018**

**General & Dental Pharmacology & Therapeutics**

Time : **3 Hours**]

[Total Marks : **70**

- Instructions :**
- (1) Figures to the right indicate full marks.
  - (2) Use separate answer book for each section.
  - (3) Draw diagrams wherever necessary.
  - (4) Write to the point and legibly.

**SECTION - I**

- 1** Classify antihypertensive drugs. Describe mechanism of action, therapeutics uses and adverse effects of captopril. **10**

**OR**

- 1** Classify local anaesthetics. Write pharmacological action, therapeutics uses and adverse effects of lignocaine.
- 2** Answer in brief : (any **five**) **10**
- (a) Define teratogenicity. Give two examples.
  - (b) Styptics in dental practice.
  - (c) Give pharmacological basis for the use of adrenaline in anaphylactic shock.
  - (d) Name two low molecular weight heparins. Write their two advantages over unfractionated heparin.
  - (e) Write drug of choice for drug induced Parkinsonism with explanation.
  - (f) What is the mechanism of action of spironolactone ?
- 3** Write short notes : (any **five**) **15**
- (a) Phenytoin sodium
  - (b) Pharmacovigilance
  - (c) Therapeutic uses of  $\beta$ -blockers
  - (d) Succinylcholine
  - (e) Preanaesthetic medication
  - (f) Parenteral iron therapy.

## SECTION - II

- 4 Classify antiulcer drugs. Write mechanism of action, therapeutic uses and adverse effects of proton pump inhibitors. **10**

**OR**

- 4 Classify aminoglycosides. Write mechanism of action, adverse effects and therapeutic uses of streptomycin.
- 5 Answer : (Any two) **10**
- (a) Artemisinin-based combination therapy
  - (b) Treatment of diabetic ketoacidosis
  - (c) Complications of radiotherapy in dentistry.
- 6 Answer in brief : (any **five**) **15**
- (a) Write therapeutic uses of metronidazole
  - (b) Write four important side effects of oral contraceptive pills
  - (c) What is superinfection ? Explain with an example.
  - (d) Give pharmacological basis for the use of salbutamol in acute attack of bronchil asthma.
  - (e) Antiseptics in dentistry
  - (f) Enumerate side effects of non-steroidal anti-inflammatory drugs.
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