



DBY-4820

Seat No. _____

Second Year B. D. S. Examination

July - 2022

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** Answer the following : **10**

Classify β -adrenergic blocking drugs. Describe pharmacological actions, adverse effects and therapeutic uses of β -blockers.

OR

Classify drugs acting on renin-angiotensin system. Write mechanism of action, therapeutic uses and adverse effects of angiotensin converting enzyme inhibitors.

- 2** Answer in brief : (any **FIVE**) : **10**

- (1) Write four advantages of levodopa + carbidopa combination in Parkinsonism.
- (2) Pharmacological basis for use of tamsulosin in benign hypertrophy of prostate.
- (3) Write two uses and two adverse effects of atropine.
- (4) Write four therapeutic uses of diazepam.
- (5) Explain first pass metabolism with suitable examples.
- (6) Mechanism of action of nitrates in angina pectoris.

- 3** Write short notes : (any **FIVE**): **15**
- (1) Treatment of status asthmaticus
 - (2) Pharmacovigilance
 - (3) Low molecular weight heparins
 - (4) Centrally acting skeletal muscle relaxants
 - (5) Adverse effects and therapeutic uses of phenytoin sodium
 - (6) Spironolactone

SECTION-II

- 4** Answer the following: **10**
- Classify antidiabetic agents. Write mechanism of action, uses and adverse effects of sulfonylureas.

OR

Classify antimalarial drugs. Give detailed account on artemisinin based combination therapy.

- 5** Answer the following : (any **TWO**) **10**
- (1) Rifampicin
 - (2) Fluorides
 - (3) Doxycycline
- 6** Answer in brief : (any **FIVE**): **15**
- (1) Adverse effects of prolonged glucocorticoids therapy.
 - (2) Antiseptics in dentistry.
 - (3) Advantages of antimicrobial combinations with suitable examples.
 - (4) Highly active anti-retroviral therapy.
 - (5) Write mechanism of action of omeprazole and enumerate its therapeutic uses.
 - (6) What is acute necrotizing ulcerative gingivitis? Write its treatment.