

BACHELOR OF DENTAL SURGERY (2008 COURSE)
SECOND - B.D.S. SUMMER : 2022
SUBJECT : GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

Day : Tuesday

Time : 09:00 AM-12:00 PM

Date : 01-11-2022

S-5755-2022

Max. Marks : 70

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SEPARATE** answerbook.
- 4) Draw neat diagram wherever necessary.

SECTION – I

Q.1 Classify beta-blockers with examples. Write briefly about the uses and adverse effects of beta-blockers. (10)

OR

Define Bioavailability. What are the various factors affecting Bioavailability? Explain with suitable examples.

Q.2 Write **ANY THREE** of the following : (15)

- a) Enlist and describe root canal filling material.
- b) Define dental caries. Mention agents used in its treatment.
- c) Write briefly about Chemoprophylaxis in dental practice.
- d) Describe bleaching agents. Enlist bleaching agents with their specific uses.

Q.3 Write **ANY FIVE** of the following : (10)

- a) Explain – Why Succinyl-choline is preferred for endotracheal intubation.
- b) What are the antitussives? Give two examples.
- c) Write merits and demerits of Intravenous route of administration.
- d) Enumerate two prokinetic agents with their uses.
- e) Enumerate uses of Angiotensin-converting enzyme inhibitors with examples.
- f) Mention four atropine substitutes with their uses.

SECTION – II

Q.4 Classify Non-steroidal anti-inflammatory agents with examples. Write briefly about their uses and adverse effects. (10)

OR

Classify anti-diabetic agents used in Type II Diabetes mellitus. Describe Mechanism of action, uses and adverse effects of Biguanides.

Q.5 Write **ANY THREE** of the following : (15)

- a) Compare and contrast between Heparin and Warfarin.
- b) Mention drugs used in grand mal epilepsy with the Mechanism of action and adverse effects of anyone antiepileptic drug.
- c) Uses and adverse effects of Metronidazole.
- d) Write the mechanism of action, uses and adverse effects of Amoxicillin.

Q.6 Write **ANY FIVE** of the following : (10)

- a) Name two H₁ anti-histaminic drugs and discuss their uses.
- b) Write adverse effects of Corticosteroids.
- c) Enumerate first-line Anti-tubercular drugs with their adverse effects.
- d) Comment on Lignocaine and adrenaline combination.
- e) Define pre-anesthetic medication and mention two classes of drugs used for it.
- f) Rationale for avoiding Tetracyclines during pregnancy.
