

# 2010 Scheme

Q P Code: 203002

Reg. No.: .....

## Second Year BDS Degree Supplementary Examinations February 2022

### General & Dental Pharmacology and Therapeutics

Time: 3 hrs

Max marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw Diagrams wherever necessary.

#### Essay

(2x14=28)

1. Classify cephalosporins. Describe the mechanism of action, anti-bacterial spectrum, pharmacological actions, their uses and adverse effects of third generation cephalosporins. (3+2+2+2+3+2)
2. Classify oral anti-diabetic agents. Discuss the mechanism of action and adverse effects of sulfonylureas. Add a note on uses of insulin in diabetes mellitus. (3+3+3+5)

#### Short essays

(4x8=32)

3. Plasma protein binding of drugs and its clinical importance.
4. Mechanism of action, uses, and adverse effects of loop diuretics. (2+3+3)
5. Discuss the mechanism of action of general anesthetics. Add a note on advantages and disadvantages of nitrous oxide. (3+3+2)
6. Discuss the mechanism of action, uses and adverse effects of corticosteroids. (2+3+3)

#### Short notes

(10x4=40)

7. Mention two anti-epileptic drugs and their adverse effects.
8. Drugs used in dental plaque.
9. Treatment of bronchial asthma.
10. Mention two parenteral iron preparations, indications and its adverse effects.
11. Mention two calcium channel blockers, therapeutic uses and their adverse effects.
12. Treatment of oral candidiasis.
13. Mention two proton pump inhibitors, their mechanism of action and uses.
14. What is tachyphylaxis. Mention two drugs that cause tachyphylaxis.
15. List four drugs that are safe in pregnancy and four drugs that are contraindicated in pregnancy.
16. Mention four anti-retroviral drugs and adverse effects of nucleoside reverse transcriptase inhibitors.

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