

## Second Year BDS Degree Supplementary Examinations July 2023

General & Dental Pharmacology and Therapeutics  
(2016 Scheme)

Time: 3 hrs

Max marks: 70

- 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.

**Essays:****(2x10=20)**

1. List four groups of drugs used in the treatment of angina pectoris with an example for each group. Explain the mechanism of action and adverse effects of any one drug. Mention one drug combination used in angina with the pharmacological basis. (4+2+2+2)
2. Enumerate six groups of antidiabetic drugs with a suitable example. Mention the mechanism of action and adverse effects of any one group. (6+2+2)

**Short Notes:****(4x5=20)**

3. Classify synthetic glucocorticoids according to the duration of action with suitable examples. Mention the measures that minimize HPA axis suppression during prolonged therapy with glucocorticoids. (3+2)
4. Enumerate general toxicities of cytotoxic drugs and methods to ameliorate them.
5. Explain the mechanism of action, uses and adverse effects of succinylcholine
6. Name any five atropine substitutes. Mention one different therapeutic use for each

**Answer Briefly:****(10x3=30)**

7. Compare and contrast enalapril and losartan
8. Drug nomenclature
9. Explain the mechanism of action and uses of diclofenac
10. Name two aminoglycosides and explain their adverse effects
11. Explain the advantages and disadvantages of combining adrenaline with a local anesthetic
12. Cotrimoxazole
13. Explain three therapeutic uses of diazepam
14. Mention three proton pump inhibitors and explain their uses
15. Mention any two low molecular weight heparin and write their advantages over heparin
16. Explain the bronchodilating action of theophylline and write two adverse effects of the same