

**Second Year BDS Degree Regular/Supplementary Examinations
April 2024**

**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. Name two non-selective and two cardio-selective beta blockers. Explain four uses and four adverse effects of beta blockers. (2+4+4)
2. Classify non-steroidal anti-inflammatory drugs. Explain four therapeutically useful pharmacological actions of the same. Add a note on paracetamol poisoning. (4+4+2)

Short Notes: (4x5=20)

3. The advantages and disadvantages of oral route of drug administration
4. Mention four oral iron preparations. Explain the adverse effects of oral iron therapy and treatment of iron toxicity (2+3)
5. H₂ blockers
6. Explain the role of fluorides in dentistry

Answer Briefly: (10x3=30)

7. Beta-lactam antibiotics
8. Mention two drugs which can be used for spinal anesthesia. Mention the complications of spinal anesthesia.
9. Explain the treatment of acute angina pectoris
10. The mechanism of action and uses of imipramine
11. Explain the rationale for the combination of amoxicillin with clavulanic acid
12. Explain the mechanism of action and uses of metformin
13. Mention four second generation fluoroquinolones. Explain one use of any one
14. Explain the uses and adverse effects of codeine
15. Dimercaprol
16. Define drug antagonism and mention different types of drug antagonism
