

**Second Year BDS Degree Regular/Supplementary Examinations
January 2025**

**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. Explain any two techniques of local anesthesia giving suitable examples. Enumerate the advantages and disadvantages of combining adrenaline with local anesthetics.
(3+3+2+2)
2. Classify beta-lactam antibiotics giving suitable examples. Write the mechanism of action of beta-lactam antibiotics. Add a note on superinfection.
(5+2+3)

Short Notes:

(4x5=20)

3. Therapeutic uses and adverse effects of prednisolone.
4. Compare and contrast: heparin and warfarin.
5. Explain five factors affecting drug action.
6. How will you treat a case of organophosphate poisoning.

Answer Briefly:

(10x3=30)

7. Mention three intravenous and three inhalational general anesthetics.
8. Explain one regimen used in H. pylori infection with pharmacological basis for the same.
9. Enumerate the differences between erythromycin and azithromycin.
10. Write briefly on disclosing agents.
11. Mention three groups of drugs used in the prophylaxis of bronchial asthma giving suitable examples.
12. Classify insulins based on duration of action with suitable examples.
13. How will you treat a case of hypertensive emergency.
14. Explain the differences between aspirin and paracetamol.
15. Write briefly on osmotic diuretics.
16. Compare and contrast: promethazine and cetirizine.
