

**Second Year BDS Degree Supplementary Examinations June 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. Enumerate six classes of antihypertensives with suitable examples. Explain the mechanism of action and adverse effects of any two groups. (6+4)
2. Explain the factors modifying drug action. Write the advantages and disadvantages of oral route of drug administration. (6+4)

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

3. Enumerate four benzodiazepines. Explain any three uses of the same. (2+3)
4. Explain use of fluorides in dental practice.
5. Name two reversible anticholinesterases. Mention their uses. (2+3)
6. Classify oral antidiabetic agents with suitable examples. Explain the mechanism of action of any one. (3+2)

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

7. Outline the management of anaphylactic shock.
8. Mention the contraindications for the use of opioids.
9. Explain the mechanism of action and adverse effects of phenytoin sodium.
10. Metronidazole.
11. Explain proton pump inhibitors. Explain the drug interaction between sucralfate and antacids.
12. Fluconazole.
13. Mention three oral and three parenteral iron preparations.
14. Explain the mechanism of action and adverse effects of rifampicin.
15. Give three examples each for first and second generation antihistamines.
16. Giving examples for each, explain the differences between amide and ester linked local anesthetics.

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