

**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. Classify local anesthesia with suitable examples. Mention the advantages and disadvantages of combining adrenaline with lignocaine. (6+4)
2. Enumerate first line antitubercular drugs. Explain the mechanism of action and characteristic adverse effects of any two. (2+4+4)

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

3. Define the terms "agonist" and "antagonist". Enumerate three types of drug antagonism with suitable examples. (1+1+3)
4. Write briefly on astringents used in dental practice.
5. Enlist four synthetic glucocorticoids. Explain the methods used to minimize HPA axis suppression. (2+3)
6. Classify drugs used in bronchial asthma. Write the mechanism of action of any one. (3+2)

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

7. Write briefly about atropine
8. Explain any three uses of enalapril.
9. Write the management of status epilepticus.
10. Explain the rationale of combining sulfamethoxazole with trimethoprim. Mention two uses for the same.
11. Mention three groups of drugs used in peptic ulcer with their mechanism of action.
12. Mention the general toxicities of anticancer drugs.
13. Explain the pharmacogenetics variations in drug action with suitable examples.
14. Explain the mechanism of action of hydrochlorothiazide. Mention its adverse effects.
15. Name two second generation antihistamines. What are their advantages over first generation antihistamines.
16. Enumerate three classes of Non-Steroidal Anti Inflammatory Drugs (NSAIDs) with suitable examples.

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