# 2010 Scheme

## General & Dental Pharmacology and Therapeutics

**Time: 3 hrs**                                                                                            **Max marks: 100**

- *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*.

**Essay**                                                                                                        **(2x14=28)**

1.  Classify beta adrenergic receptor blockers with suitable examples. Enlist the advantages of different classes of beta blockers and explain the uses and adverse effects of these beta blockers.                                                   (4+2+4+4)

2.  Enumerate four groups of drugs used in the treatment of peptic ulcer with examples. Explain the mechanism of action of any two groups. Add a note on anti H.pylori drugs.                                                                      (6+4+4)

**Short essays**                                                                                          **(4x8=32)**

3.  Classify general anesthetics with suitable examples. Add a note on conscious sedation.                                                                                            (4+4)
4.  Enlist four parenteral routes of drug administration.  Explain the advantages and disadvantages of sublingual route.                                                   (4+4)
5.  Classify diuretics with two examples each. Mention the adverse effects of any one.                                                                                                   (5+3)
6.  Classify anti-asthmatic drugs with suitable examples. Explain the mechanism of action of any one.                                                                                 (5+3)

**Short notes**                                                                                           **(10x4=40)**

7.  Explain the advantages and disadvantages of combining adrenaline with a local anesthetic.
8.  Explain four clinical uses of glucocorticoids.
9.  Enumerate four tetracyclines. List four adverse effects of tetracycline.
10. Explain four therapeutically useful pharmacological actions of aspirin.
11. Classify the drugs used in angina pectoris with suitable examples.
12. Name two synthetic opioid analgesics. Explain two uses of morphine.
13. Acute organophosphate poisoning.
14. Mention three groups of semisynthetic penicillins with an example for each group. Enumerate two uses of semisynthetic penicillins.
15. Styptics.
16. Define therapeutic index. Add a note on its clinical significance with examples.

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