

MANIPAL ACADEMY OF HIGHER EDUCATION**SECOND BDS DEGREE EXAMINATION – JUNE 2019****SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)**

Wednesday, June 26, 2019

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ Answer ALL the questions.

✍ Essay:

- 1A. Mention four classes of antihypertensive drugs with suitable examples.
- 1B. Mention two diuretics belonging to different groups and explain the mechanism of action of any one class.
- 1C. Mention three uses and three adverse effects of propranolol. (4+3+3 = 10 marks)
- 2A. Mention four classes of semisynthetic penicillins with suitable examples.
- 2B. Write briefly on post exposure prophylaxis of HIV infection.
- 2C. Enumerate two antifungal drugs. Explain the mechanism of action of any one. (4+3+3 = 10 marks)
3. **Answer the following:**
- 3A. Explain four factors affecting drug action.
- 3B. Mention two uses and two adverse effects of pilocarpine. Mention one drug used in the treatment of malathion poisoning along with pharmacological basis.
- 3C. Write briefly on bisphosphonates.
- 3D. Outline four differences between phenobarbitone and diazepam.
- 3E. Mention two anticoagulants and explain the mechanism of action of any one.
- 3F. Define and explain the terms “prodrug” and “competitive antagonism” with suitable example.
- 3G. Outline four common features of alpha adrenergic receptor blockers.
- 3H. Explain two advantages and two disadvantages of halothane as a general anesthetic.
- 3I. Compare and contrast morphine and pethidine.
- 3J. Write briefly on disclosing agents. (4 marks × 10 = 40 marks)

