

## MANIPAL UNIVERSITY

SECOND BDS DEGREE EXAMINATION – JUNE 2015

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY &amp; THERAPEUTICS (ESSAY)

Wednesday, June 24, 2015

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- 1A. Enumerate four classes of antimicrobial agents according to their mechanism of action with an example for each. (4 marks)
- 1B. Name four penicillins. Enumerate their prophylactic uses. (2+2 = 4 marks)
- 1C. Write briefly on metronidazole. (2 marks)
- 2A. Enumerate four benzodiazepines. Explain two uses of any one. (2+2 = 4 marks)
- 2B. Enlist four local anesthetics. Write the mechanism of action and two adverse effects of any one. (2+1+1 = 4 marks)
- 2C. Why morphine is contraindicated in head injury? (2 marks)
3. Answer the following:
- 3A. Enumerate two groups of drugs affecting renin angiotensin system with examples. Mention the adverse effects and uses of any one.
- 3B. Classify anticoagulants with examples. Explain the mechanism of action of any one.
- 3C. Write briefly on treatment of organophosphorus poisoning.
- 3D. Explain the adverse effects of glucocorticoids on long term use.
- 3E. Write briefly on metoclopramide.
- 3F. Mention two classes of diuretics with example. Write mechanism of action and adverse effects of any one.
- 3G. Define therapeutic index. Explain its clinical relevance.
- 3H. Write briefly on dentifrices.
- 3I. Classify sympathomimetics based on therapeutic use with examples.
- 3J. Explain four factors modifying drug action with suitable examples. (4 marks × 10 = 40 marks)

