

MANIPAL UNIVERSITY**SECOND BDS DEGREE EXAMINATION – JULY 2016****SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)**

Wednesday, July 20, 2016

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL the questions.**

✍ **Draw diagrams and flow charts wherever appropriate.**

1A. Explain the analgesic action of morphine. Outline the treatment of acute morphine poisoning.
(2+4 = 6 marks)

1B. Compare and contrast morphine with pethidine.
(4 marks)

2A. Classify penicillins with suitable examples.

2B. Name four third generation cephalosporins and mention their four uses.

2C. Explain the term chemoprophylaxis.
(4+4+2 = 10 marks)

3. **Answer the following:**

3A. Enlist four atropine substitutes and mention one different use for each drug.

3B. Write briefly on nasal decongestants.

3C. Name two synthetic glucocorticoids. Add a note on suppression of hypothalamo-pituitary-adrenal axis by glucocorticoids.

3D. Explain the pharmacological basis of using nitrates in angina pectoris and mention its other uses.

3E. Write briefly on second generation H₁ receptor blockers.

3F. Explain the mechanism of action of metoclopramide and mention its adverse effects.

3G. Define bioavailability and explain any three factors affecting it.

3H. Describe transdermal drug delivery system.

3I. Explain any two techniques of local anaesthesia.

3J. Write briefly on disclosing agents.

(4 marks × 10 = 40 marks)

