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MANIPAL UNIVERSITY

SECOND BDS DEGREE EXAMINATION – NOVEMBER/DECEMBER 2015

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)

Wednesday, December 02, 2015

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

1A. Classify semisynthetic penicillins. Explain the mechanism of action and adverse effects of penicillins.

1B. Write briefly on antimicrobial prophylaxis in dentistry with examples.

(5+5 = 10 marks)

2. Classify non-steroidal anti-inflammatory drugs. Explain their mechanism of action, uses and adverse effects of aspirin.

(5+2+2+1 = 10 marks)

3. **Answer the following:**

3A. Explain four methods to prolong the duration of action of a drug with examples.

3B. Explain two techniques of local anaesthesia with an example of drug for each.

3C. Explain any two pathological states as a factor modifying drug action.

3D. Explain the pharmacological action of Adrenaline on cardiovascular system.

3E. Classify peripherally acting skeletal muscle relaxants. Explain the mechanism of action and adverse effects of succinylcholine.

3F. Mention four groups of antihypertensive drugs with two examples for each.

3G. Write briefly on furosemide.

3H. Write briefly on inhalational steroids.

3I. Explain the role of fluorides in dentistry.

3J. Explain the mechanism of action and adverse effects of biguanides in diabetes mellitus.

(4 marks × 10 = 40 marks)

