

MANIPAL UNIVERSITY

SECOND BDS DEGREE EXAMINATION – NOVEMBER 2013

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY) (NEW REGULATION)

Saturday, November 23, 2013

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

1A. Name four benzodiazepine. Explain the mechanism of action, uses and adverse effects of them.

1B. Explain any two techniques of local anaesthesia.

(6+4 = 10 marks)

2A. Name four macrolide antibiotics. Explain the mechanism of action and uses of this class.

2B. Explain two advantages of antimicrobial drug combination with examples.

2C. Name two drugs used in oral candidiasis with the mechanism of action of any one.

(4+4+2 = 10 marks)

3. Answer the following:

3A. Write briefly on drug nomenclature.

3B. Define biotransformation. Explain any two synthetic reactions with one example for each.

3C. Classify adrenergic agonists based on their therapeutic use.

3D. Explain the mechanism of action and uses of succinylcholine and add a note on succinyl choline apnoea.

3E. Classify antianginal drugs and explain the mechanism of action of a drug given in acute attack of angina.

3F. Write briefly on H₂ receptor blockers.

3G. Name two oral and two parenteral iron preparations. Enumerate indications of parenteral iron therapy.

3H. Name four cephalosporins and explain the mechanism of action and adverse effects of them.

3I. Classify insulin preparations and mention two adverse effects of insulin.

3J. Write briefly on mummifying agents.

(4×10 = 40 marks)

