

MANIPAL UNIVERSITY**SECOND BDS DEGREE EXAMINATION – NOVEMBER 2012****SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)
(NEW REGULATION)**

Saturday, November 24, 2012

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- 1A. Define and classify local anaesthetics.
1B. With the help of a diagram explain the mechanism of action of lignocaine.
1C. Explain the advantages of combining lignocaine with adrenaline and mention two conditions where the combination is contraindicated.

(3+3+4 = 10 marks)

- 2A. Classify penicillins.
2B. Explain the mechanism of action of penicillin and add a note on their uses.
2C. Explain chemoprophylaxis for a patient with cardiac valvular lesion before tooth extraction.

(4+4+2 = 10 marks)

3. Answer the following:

- 3A. Classify oral antidiabetic drugs and explain the mechanism of action of anyone.
3B. Explain the mechanism of action, uses and adverse effects of heparin.
3C. Write briefly on fluoride salts.
3D. Mention the advantages and disadvantages of intravenous route.
3E. Write briefly on drug tolerance.
3F. Name two drugs used in organophosphorus poisoning and explain the rationale for their use.
3G. Name two non depolarizing skeletal muscle relaxants. Explain the mechanism of action and uses of succinylcholine.
3H. Name two loop diuretics. Add a note on its mechanism and uses.
3I. Name the drug with its route of administration used in acute attack of angina and explain its mechanism of action in detail.
3J. Name four drugs of different groups used in treatment of bronchial asthma and explain the mechanism of any one drug.

(4×10 = 40 marks)

