

## MANIPAL ACADEMY OF HIGHER EDUCATION

## SECOND BDS DEGREE EXAMINATION – AUGUST 2018

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

Friday, August 03, 2018

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

≠ Answer ALL the questions.

1A. Mention four benzodiazepines. Explain the mechanism of action, uses and adverse effects of them.

1B. Explain the advantages of benzodiazepines over barbiturates.

(6+4 = 10 marks)

2A. Enumerate four tetracyclines. Mention four adverse effects and four uses of tetracyclines.

2B. Write briefly on metronidazole.

(6+4 = 10 marks)

3. Answer the following:

3A Explain four techniques of local anaesthesia with suitable examples.

3B Explain two advantages and disadvantages of intravenous route over oral route of administration.

3C Mention two non depolarizing skeletal muscle relaxants. Explain the mechanism of action and uses of succinylcholine.

3D List four drugs used in peptic ulcer. Write briefly on the treatment of H. pylori induced peptic ulcer.

3E Enumerate two oral and two parenteral iron preparations. Mention four indications for parenteral iron therapy.

3F Mention four preparations of insulin. What are the uses and adverse effects of insulin?

3G Explain how fluorides prevent dental caries. Add a note on fluoride toxicity.

3H Define the term bioavailability. Explain factors affecting bioavailability.

3I Name two beta blockers. Mention two uses of beta blockers with pharmacological basis.

3J Compare and contrast erythromycin and azithromycin.

(4 marks × 10 = 40 marks)

