

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION – MARCH 2021

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)

Thursday, March 04, 2021

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ Answer ALL the questions.

✍ Essay:

1A. Explain four factors modifying the action of a drug.

1B. Write briefly on prodrug.

1C. Define potency and efficacy of a drug

(4+4+2 = 10 marks)

2. Classify antianginal drugs. Explain the mechanism of action, uses and adverse effects of nitroglycerine

(3+3+2+2 = 10 marks)

3. **Answer the following:**

3A. Explain four uses of adrenaline.

3B. Write briefly on suprainfection.

3C. Name four anticholinesterases. Explain two uses of anticholinesterases.

3D. Explain the mechanism of action, uses and adverse effects of salbutamol.

3E. Explain four therapeutically useful actions of aspirin

3F. Mention four groups of drugs with examples used to treat peptic ulcer.

3G. Explain the mechanism of action, uses and adverse effects of cotrimoxazole.

3H. Name two glucocorticoids. Explain two therapeutically useful actions of glucocorticoids.

3I. Write briefly on role of fluorides in dentistry.

3J. Explain the mechanism of action, uses and adverse effects of warfarin.

(4 marks × 10 = 40 marks)

