

# Question Paper

Exam Date & Time: 01-Jan-2024 (02:15 PM - 05:00 PM)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
SECOND BDS DEGREE EXAMINATION - JANUARY 2024  
SUBJECT: GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS  
(REGULAR BATCH)

**Marks: 60**

**Duration: 165 mins.**

**Answer all the questions.**

## **Essay Questions**

- 1A) Enumerate FOUR classes of drugs used in congestive cardiac failure with an example. (4)
- 1B) Explain the mechanism of action, pharmacological actions and specific adverse effects of cardiac glycosides. (2+2+2 = 6 marks)
- 2A) Mention FOUR classes of penicillins with suitable examples and describe their mechanism of action. (4+2 = 6 marks)
- 2B) Explain TWO uses and TWO specific adverse effects of any one class of penicillin. (2+2 = 4 marks)
- 3A) Explain phase I and Phase II reactions of biotransformation with suitable examples. (4)
- 3B) Discuss in detail the FOUR factors that modify drug action with examples. (4)
- 3C) Name FOUR classes of adrenergic agonists based on therapeutic use with ONE example each. (4)
- 3D) List FOUR beta-blockers and enlist FOUR indications of the same. (4)
- 3E) Explain FOUR medicinal uses of ethanol. (4)
- 3F) Write the rationale for combining adrenaline with lidocaine. Write a note on conduction block Anesthesia (4)
- 3G) Describe the mechanism of action of pharyngeal demulcents and expectorants. (4)
- 3H) Enumerate FOUR objectives of using antimicrobial combinations with one example each. (4)
- 3I) Mention THREE types of insulin preparations with suitable examples. Enlist TWO adverse effects of insulin. (4)
- 3J) Explain the pharmacotherapy of status epilepticus caused during a dental procedure. (4)

-----End-----