

Question Paper

Exam Date & Time: 09-02-2022 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - FEBRUARY 2022

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS
(IR BATCH - 2021)

Answer ALL questions.

Draw diagrams and flow charts wherever appropriate.

Marks: 60

Duration: 165 mins.

- 1A. List four routes of drug administration and give an example of a drug given through each route. (4)
- 1B. List two advantages and two disadvantages of any two routes of drug administration. (4)
- 1C. Explain the following terms with suitable examples.
 - i) Iatrogenic disease
 - ii) Teratogenicity (2)

- 2A. Name four nonsteroidal antiinflammatory drugs (NSAIDs). Mention four adverse effects of NSAIDs. (4)
- 2B) Mention four objectives of preanaesthetic medication, indicating the drug used to achieve each objective. (4)
- 2C) List two advantages and two disadvantages of combining adrenaline with lignocaine. (2)

3. Answer the following:
 - 3A) Enumerate two angiotensin converting enzyme (ACE) inhibitors. Mention their mechanism of action, two clinical uses and two adverse effects. (4)
 - 3B) Name four antiemetics. Explain the mechanism of action and list the adverse effects of any one drug. (4)
 - 3C) Mention four adverse effects of glucocorticoids. List two methods to minimize hypothalamus pituitary-adrenal axis suppression. (4)
 - 3D) Name three groups of drugs used in treatment of bronchial asthma with an example for each. Mention the mechanism of action of any one drug. (4)
 - 3E) List four penicillins. Explain mechanism of action and mention the adverse effects of penicillins. (4)
 - 3F) Explain the management of anaphylactic shock. (4)
 - 3G) List four antifungal drugs. Write the mechanism of action and uses of any one antifungal drug. (4)
 - 3H. Write briefly on metronidazole. (4)

- 3I) Name two skeletal muscle relaxants. Explain the mechanism of action and list two clinical uses and two adverse effects of any one drug. (4)
- 3J) Name two antiplaque and two desensitizing agents. Explain the role of dentifrices in routine dental care. (4)

-----End-----