

Question Paper

Exam Date & Time: 04-Oct-2021 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - OCTOBER 2021
SUBJECT: GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS

Marks: 60

Duration: 165 mins.

Answer all the questions.

- 1A) List four penicillins. Write the mechanism of action, two uses and adverse effects of penicillins. (5)
- 1B) Name two aminoglycosides. Mention four common properties of aminoglycosides. (3)
- 1C) Mention two advantages and two disadvantages of combined use of antimicrobial agents. (2)
- 2A) Classify local anaesthetics and explain their mechanism of action. (6)
- 2B) Explain two techniques of local anaesthesia with suitable examples. (4)

3. Answer the following:

- 3A) Explain four factors modifying drug action with suitable examples. (4)
- 3B) Mention four anticholinergics with one use for each. (4)
- 3C) Define styptics. Mention four examples and uses. (4)
- 3D) Mention four uses of glucocorticoids. Mention two measures to minimize the suppression of hypothalamo-pituitary-adrenal (HPA) axis by glucocorticoids. (4)
- 3E) List two loop diuretics. Mention the mechanism of action, two uses and two adverse effects of loop diuretics. (4)
- 3F) Mention two advantages and two disadvantages of intravenous route of drug administration. (4)
- 3G) Mention two groups of antianginal drugs with an example for each. Explain the mechanism of action and adverse effects of any one. (4)
- 3H) Explain how fluorides prevent dental caries. Add a note on fluoride toxicity. (4)
- 3I) Explain the advantages of benzodiazepines over barbiturates. (4)
- 3J) List two gastric acid secretion inhibitors used in peptic ulcer. Write briefly on the treatment of H. pylori induced peptic ulcer. (4)

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