

# Question Paper

Exam Date & Time: 03-Sep-2022 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: PHC 2201 - PHARMACOLOGY  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) List two glucocorticoids and explain their anti-inflammatory action. List their two uses and two adverse effects. (5)
- 1B) Define hypnotics and give two examples of hypnotics. List two drugs used in epilepsy and mention two adverse effects of any one of them. List two local anaesthetics. (5)
- 2A) List three groups of drugs with an example for each used in peptic ulcer. Explain the mechanism of action of any one group. (5)
- 2B) List four drugs used in hypertension. Explain the mechanism of action of ACE inhibitors and list their two adverse effects. (5)
- 3A) Enumerate three classes of antiasthmatic drugs with an example for each class. Explain the mechanism of action of any one class. (5)
- 3B) List three drugs used in angina. Explain the mechanism of action of any one of them. List its three adverse effects. (5)
- 3C) Enumerate two aminoglycosides and mention their four common features. List two each antifungal and antiviral drugs. (5)
- 3D) List two cholinergic drugs. Explain the mechanism of action of anticholinesterases and mention their two uses and two adverse effects. (5)
- 4A) List two uses and two adverse effects of aspirin. (2)
- 4B) Describe competitive antagonist with an example. (2)
- 4C) List two advantages and two disadvantages of intramuscular route of drug administration. (2)
- 4D) List the four parts of a prescription. (2)
- 4E) Explain the mechanism of action of penicillin. (2)

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FOURTH SEMESTER B.Sc. EMT / B.Sc. MIT / BOT / BAOTT / B.Sc. CVT / B.Sc. PFT / B.Sc. RRT & DT DEGREE  
EXAMINATION - SEPTEMBER 2022  
SUBJECT: PHC2203 - PHARMACOLOGY  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) Define local anaesthetics. List two local anaesthetics and explain the mechanism of action of any one of them. List two techniques of local anaesthesia. (5)
- 1B) Mention any four pharmacological actions of morphine. List its two uses, two adverse effects and two contraindications of morphine. (5)
- 2A) List three advantages and three disadvantages of oral route of drug administration. Mention two drugs each administered by oral route and transdermal route. (5)
- 2B) List any two factors affecting drug absorption. Define the terms "synergism" and "iatrogenic disease" with a suitable example for each. (5)
- 3A) List three cholinergic receptors and mention a response mediated through each of them. Mention two anticholinesterases and list their two therapeutic uses. (5)
- 3B) List three groups of drugs with an example for each group used in the treatment of peptic ulcer and explain the mechanism of action of any one group. (5)
- 3C) List two non-steroidal anti-inflammatory drugs (NSAIDs) and explain the mechanism of action of any one of them. Mention two uses and two adverse effects of NSAIDs. (5)
- 3D) List two drugs used in the following conditions: (5)  
i) Epilepsy  
ii) Malaria  
iii) Hypertension  
iv) Parkinsonism  
v) Cough
- 4A) Define the term chemoprophylaxis with an example. (2)
- 4B) List two oral antidiabetic drugs and two insulin preparations. (2)
- 4C) List two groups of drugs with an example for each group used in the treatment of bronchial asthma. (2)
- 4D) List two second-generation antihistaminics and mention their two advantages over first-generation antihistaminics. (2)
- 4E) List two uses and two adverse effects of warfarin. (2)

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