

Sr.No.8211

Exam Code: 106702

Sub. Code : 001021

Bachelor of Physiotherapy - 2nd Year (B.P.T.)

(Batch 2023-27) (Old Syllabus)

(2225)

Paper-II : Pharmacology

Time allowed: 3 hrs.

Max. Marks: 100

***Note:** Candidates are required to attempt any five questions, with one question from each Section. The fifth question may be attempted from any Section. Each question carries 20 marks.*

Section-A

1. (a) Define vitamins. Discuss the pharmacology of fat-soluble vitamins. (10 marks)
(b) Define and classify adverse drug reactions (ADR) along with examples. How we can reduce the risk of ADRs? (10 marks)
2. (a) Classify respiratory disorders. Discuss the pharmacology of anti-asthmatic drugs. (10 marks)
(b) What are the methods of drug administration? Discuss the advantages and disadvantages of each route. (10 marks)

Section-B

3. Define and classify alcohol. Explain their pharmacology in detail. (20 marks)
4. Define and classify cholinergic and anti-cholinergic drugs. Write their physiological functions and side effects. (20 marks)

Section-C

5. What are NSAIDs. Classify it. Explain the mechanism of action of aspirin and discuss major side effects of NSADs in detail (20 marks).
6. Classify the drugs acting on neuromuscular junction and muscles. Explain Mechanism of action and adverse effects (20 marks)

Section-D

7. Define and classify hypertension. Discuss the pharmacology of anti-hypertensive drugs in detail. (20 marks)
8. (a) What are hormones. Discuss the origin and functions of all endocrine hormones in the body. (10 marks)
(b) Define and classify antibiotics. Describe the pharmacology and side effects of penicillin. (10 marks).

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Sr.No.7962

Exam Code: 106702
Subject Code : 1021

**Bachelor in Physiotherapy - 2nd Year (B.P.T.) (Batch 2022-26)
(2524)**

Paper-II: Pharmacology

Time Allowed: 3 hrs.

Max. Marks: 100

INSTRUCTIONS

All questions carry 20 marks and attempting one question from each section is compulsory.
Fifth question can be attempted from any of the following four sections.

SECTION-A

1. Write a detailed note on G-protein coupled receptors.
2. Explain advantages and disadvantages of different routes of administration along with examples.

SECTION-B

3. Give classification of the following: a) anti-depressants b) anesthetics c) NSAIDs d) anti-parkinsonian drugs
4. Give classification of the following: a) Hypnotics and sedatives b) anti-psychotics c) anti-cholinergic d) cholinergic drugs

SECTION-C

5. Explain classification, side effects and uses of adrenergic and anti-adrenergic drugs
6. Discuss drugs used in pain management.

SECTION-D

7. Define antibiotics. Discuss its detailed classification
8. Discuss mechanism of action of the following: a) nicorandil b) metronidazole c) nitrates d) anti-thyroid drugs

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Sr.No.8014

Exam Code: 106702
Subject Code : 001021

Bachelor in Physiotherapy – 2nd Year (B.P.T.) (Batch 2023-27)
(2525)

Paper-II: Pharmacology

Time allowed: 3 hrs.

Max. Marks: 100

Note: Candidates are required to attempt any five questions, with one question from each Section. The fifth question may be attempted from any Section. Each question carries 20 marks.

Section-A

1. (a) Define First-pass metabolism. Discuss Phase-I and Phase-II reactions of biotransformation. (10 marks)
- (b) Define and classify adverse drug reactions (ADR) along with examples. How we can reduce the risk of ADRs? (10 marks)
2. (a) Define asthma and COPD. Discuss the pharmacology of anti-asthmatic drugs. (10 marks)
- (b) What are the methods of drug administration? Discuss the advantages and disadvantages of each route. (10 marks)

Section-B

3. Define and classify anesthetics. Explain their pharmacology in detail. (20 marks)
4. Define and classify cholinergic and anti-cholinergic drugs. Write their physiological functions and side effects. (20 marks)

Section-C

5. What are NSAIDs. Classify it. Explain the mechanism of action (with flow chart) and discuss major side effects in detail. (20 marks)
6. Describe the pharmacology of drugs acting on neuromuscular junction and muscles. (20 marks)

Section-D

7. Define and classification of CVS disorders. Discuss the pharmacology of anti-hypertensive drugs in detail. (20 marks)
8. (a) What are hormones. Discuss the origin and functions of all endocrine hormones in the body. (10 marks)
- (b) Which is the causative agent of Tuberculosis? Write a note on antitubercular drugs along with side effects. (10 marks).

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