

# LN-378

**Diploma in Pharmacy (Part-II)  
Examination, 2023**

**PHARMACOLOGY**

**[ Paper : First ]**

*Time Allowed : Three Hours*

*Maximum Marks : 80*

**Note :** This question paper is divided into three sections. All sections are **compulsory**. Attempt questions as per instructions given in each section.

**SECTION-A**

**( Long Answer Type Questions )**

**Note :** Attempt any six questions from the following. [6x5=30]

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( 1 )

[P.T.O.]

1. (i) Explain the various routes of drug administration.
- (ii) Discuss the pharmacological actions of Acetylcholine.
- (iii) Explain the pharmacology of Hypnotic and sedative drugs.
- (iv) Explain anti-hypertensive drugs.
- (v) Define, classify and write the uses of anti-tussive drugs.
- (vi) Discuss oral hypoglycemic agents.
- (vii) Write note on sulphonamides.

**SECTION-B**

( Short Answer Type Questions )

**Note :** Attempt any ten questions of the following. Each question carries 3 marks. [10x3=30]

2. (i) Define and classify pharmacology.
- (ii) Briefly discuss NSAIDs.

- (iii) Classify anti-convulsant drugs.
- (iv) Write the side/adverse effects of opioid analgesics.
- (v) Classify anti-arrhythmic drugs.
- (vi) Classify anti-coagulants.
- (vii) Briefly discuss bronchodilators.
- (viii) Write notes on laxatives and purgatives.
- (ix) Classify diuretic drugs.
- (x) Write the functions of thyroid hormones.
- (xi) Write notes on antibiotics.

### SECTION-C

( Objective Type Questions )

Note : Attempt all questions. Each question carries 1 mark.

[20x1=20]

3. (i) Decrease in particle size \_\_\_\_\_ drug absorption.

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- (ii) First pass effect occurs in \_\_\_\_\_ route of drug administration.
- (iii) Amlodipine belongs to \_\_\_\_\_ class of anti-hypertensive drugs.
- (iv) TSH is released from \_\_\_\_\_.
- (v) Atropine is an example of \_\_\_\_\_ drugs.
- (vi) Two examples of inhalation anaesthetic include \_\_\_\_\_ and \_\_\_\_\_.
- (vii) Morphine belongs to \_\_\_\_\_ drugs.
- (viii) \_\_\_\_\_ is a selective COX-2 inhibitor.
- (ix) ACTH is released from \_\_\_\_\_.
- (x) Cardiac glycosides are used for the treatment of \_\_\_\_\_.
- (xi) Barbiturates act on \_\_\_\_\_ receptor.
- (xii) \_\_\_\_\_ is an example of anti-emetic drug.
- (xiii) \_\_\_\_\_ and \_\_\_\_\_ are two antacids.

- (xiv) Oxytocin causes uterine contractions. (True/False)
- (xv) Absorption increases with surface area. (True/False)
- (xvi) I.V. route shows 100% bio-availability.(True/False)
- (xvii) The muscular Nicotinic receptor is :
- (a) Ligand-gated ion channel
  - (b) G-protein receptor
  - (c) Enzyme-linked receptor
  - (d) None of the above
- (xviii) An example of loop diuretics is :
- (a) Spironolactone
  - (b) D-mannose
  - (c) Chlorothiazide
  - (d) Furosemide

(xix) Which of the following is an anti-Parkinsonian drug?

- (a) Amoxicillin
- (b) Thiopental
- (c) Enalapril
- (d) Levodopa

(xx) The study of absorption, distribution, metabolism and excretion of drug is known as :

- (a) Pharmacy
- (b) Pharmacokinetics
- (c) Pharmacodynamics
- (d) Pharmacopoeiz

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