

04.01.2024

D.Pharma. (Part-II)

Diploma in Pharmacy Part- II (New Scheme) (Main) Examination

January- 2024

PHARMACOLOGY

Paper-I

Time: Three Hours

Maximum Marks: 80

<https://pharmacyindia.co.in/>

1. Do not write anything on question paper except roll number, otherwise it shall be deemed as an act of including in unfair-means and action shall be taken as per rules.
2. Question paper contain three parts (I-III). Each part is compulsory. Read instructions carefully for each part before starting.
3. Attempt parts of each question altogether. Write question number of each part along with it.

(This paper contains TWO pages)

Part I

<https://pharmacyindia.co.in/>

Attempt ANY SIX out of following questions long questions.

06 x 05 = 30

1. Describe various routes of drug administration with their advantages and disadvantages. <https://pharmacyindia.co.in/>
2. Explain the pharmacology of anticholinergic drugs.
3. Classify antiepileptic agents. Highlight pharmacology of any one agent.
4. Enlist different classes of antiulcer drugs. Add note on proton pump inhibitors.
5. Discuss the mechanisms of antidiarrhoeal drugs.
6. What are corticosteroids? Explain the mode of action of any one agent.
7. Classify NSAIDS. Discuss pharmacology of Aspirin.

<https://pharmacyindia.co.in/>

<https://pharmacyindia.co.in/>

Part II

Attempt ALL of the following questions in short answer.

8. Attempt any SIX questions.

06 x 03 = 18

- a) Write scope of pharmacology.
- b) Give a note on myasthenia gravis and its management.
- c) Discuss management of glaucoma.
- d) Elaborate the physiological roles of parathormone.
- e) Define biological agents. Give their indications with their examples.
- f) Discuss drug therapy of shock.
- g) Give indications and contraindications of bronchodilators.

<https://pharmacyindia.co.in/>

9. Answer ALL questions.

04 x 03 = 12

- a) Illustrate the mechanism of action of fluoroquinolones.
- b) Elaborate factors affecting drug absorption.
- c) Explain physiological and pathological roles of vitamin D.
- d) Describe neurohumoral transmission.

<https://pharmacyindia.co.in/>

Visit: <https://pharmacyindia.co.in>
Part III

<https://pharmacyindia.co.in/>

10. Fill in the blanks OR Answer in one word OR one sentence: 07 x 01 = 07

- a) Biotransformation is defined as
- b) Autocoids can be defined as
- c) Spironolactone can be classified under '.....' of drug.
- d) Pharmacodynamics is the study of
- e) Example of thrombolytic agent is
- f) Vasopressin is known as
- g) is an example of nootropic agent.

<https://pharmacyindia.co.in/>

11. Answer the following.

07 x 01 = 07

i. Nitroglycerine is a drug used in:

- a) Hypertension b) Diarrhea c) Cancer d) Angina pectoris

ii. Intradermal infection can be delivered at which angle:

- a) 10° - 15° b) 90° c) 45° d) 25°

iii) Main functions of oxytocin is:

- a) Regulate menses b) Produce sperm
- c) Induce labor d) Promotes lactation

iv. The main side effect of estrogen is:

<https://pharmacyindia.co.in/>

- a) Mood swings b) Breast tenderness c) Weight gain d) Diarrhea

v. Dextromethorphan is an:

- a) Antihistaminic b) Expectorant c) Analgesic d) Antitussive

vi. Beta blockers causes:

- a) Ataxia b) Bradycardia c) Muscle atrophy d) Bronchodilation

vii. The drug which depresses the central nervous system and slows down the brain but does not directly induce sleep:

- a) Anxiolytics b) Sedative c) Hypnotic d) Antipsychotics

<https://pharmacyindia.co.in/>

12. Fill in the blanks OR Answer in one word OR one sentence:

06 x 1 = 06

- a) Albendazole comes under which class of drug?
- b) Define atherosclerosis.
- c) Differentiate between exocrine and endocrine gland.
- d) causes permanent deafness when given during pregnancy.
- e) Griseofulvin acts by disrupting the
- f) Characteristic symptoms of amoebiasis is

<https://pharmacyindia.co.in/>

