

22-12-2022

3762

D.Pharma. (Part-I)

Diploma In Pharmacy Part I (New Scheme) (Main) Examination
December-2022

PHARMACEUTICAL CHEMISTRY

Paper-II

Time: Three Hours

Maximum Marks: 80

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

Attempt ANY SIX out of following questions long questions.

06 x 05 = 30

1. Discuss principle and procedure for limit test for IRON.
2. Discuss principle and method for Gravimetric analysis.
3. Write a note on antacids with suitable examples. Discuss Magaldrate, its composition, formulations, storage conditions and uses.
4. Give chemical name (IUPAC), structure, uses, storage conditions, different type of formulations and their popular brands for phenytoin sodium.
5. Write a detailed note on non-aqueous titrations with their principle, reactions and suitable examples.
6. Define diuretics, Give chemical name (IUPAC), structure, uses, storage conditions, different type of formulations and their popular brands for Frusemide.
7. Give chemical name (IUPAC), structure, uses, storage conditions, different type of formulations and their popular brands for Aspirin.

Part II

Attempt ALL of the following questions in short answer.

8. Attempt any SIX questions.

06 x 03 = 18

- a) Define and classify antipsychotic drugs.
- b) Define and classify antiarrhythmic drugs.
- c) Give chemical name (IUPAC) and structure of Fluconazole.
- d) Discuss uses, different type of formulations and popular brands for insulin.
- e) Differentiate between sedatives and hypnotics with suitable examples.
- f) Give examples of two heterocyclic compounds containing two rings along with their nomenclature as per IUPAC.

g) Discuss denture cleansers with suitable examples.

9. Answer ALL questions.

01 x 03 = 12

- Write a note on Alpha adrenergic blockers with special emphasis on Phentolamine.
- Discuss properties of amoxicillin along with its uses.
- Write uses of INH along with its IUPAC name.
- Differentiate between accuracy and precision with suitable examples.

Part III

Attempt ALL of the following objective questions.

10. Answer in one sentence.

07 x 01 = 07

- Define cathartics.
- Define anaesthetics.
- What is the use of sulphuride?
- Give any one example of cholinergic blocking agent.
- Give any one use of morphine.
- Give any one use of quinine.
- Give any one application of amantadine.

11. Answer in one Word.

07 x 01 = 07

- Write name of any one drug uses as antilanginal.
- Write use of acyclovir.
- Write any one use of sulphacetamide.
- Write medicinal class of spironolactone.
- Write any one use of pioglitazone.
- Write example of any one haematonic drug.
- Write medicinal class of amitriptyline hydrochloride.

12. Fill in the blanks.

06 x 01 = 06

- Ketamine is used as
- Valproic acid is used to treat.....
- Metformin is used to treat
- Sulphonamide drug used to treat burns is.....
- Medicinal gas also known as "laughing gas" is.....
- is the medicinal class of compounds used before surgical procedures to make patients unconscious.