

PHB Education Sample Paper -1

D. Pharm Ist Year

SECOND SESSIONAL EXAMINATION 2024-25 (PHARMACEUTICAL CHEMISTRY)

Time: 02Hrs

Maximum Marks: 40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regard, if any, should be made to the invigilator on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

Attempt all the questions:

(Section: A)

Multiple Choice Questions:

[5]

Q.1 Antidepressant drugs are useful in.

- | | |
|-------------|-------------------|
| (a) Anxiety | (b) Eye Infection |
| (c) UTI | (d) Epilepsy |

Q.2 is not a loop diuretic.

- | | |
|----------------|---------------------|
| (a) Furosemide | (b) Mannitol |
| (c) Bumetanide | (d) Ethacrynic acid |

Q.3 states that the level of sugar in blood is too high:

- | | |
|--------------------|-------------------|
| (a) Hyperglycaemia | (b) Hypoglycaemia |
| (c) Both a & b | (d) None |

Q.4 Hypoglycaemic agents are used in

- | | |
|------------------|------------------------|
| (a) Tuberculosis | (b) Diabetes Mellitus. |
| (c) Hypertension | (d) Diabetes insipidus |

Q.5 is not selective Cox-2 inhibitors.

- | | |
|---------------|----------------|
| (a) Celecoxib | (b) Refecoxib |
| (c) Ketorolac | (d) Valdecoxib |

Answer in one word.

[5]

Q.1. Give the chemical structure of Aspirin.

Q.2. Give two uses of Diclofenac.

Q.3. Give two uses of Repaglinide.

Q.4. Define Hypertension.

Q.5. Define Anti psychotics.

(Section: B)

Short questions (Attempt any five):

[5×3=15]

Q.1 Define Sedative and hypnotics with examples.

Q.2 What are NSAIDs? Classify them and also write their uses.

Q.3 What are Anaesthetics? Also Explain Ketamine Hydrochloride.

Q.4 Give the chemical structure of:

(a) Haloperidol (b) Valproic Acid

Q.5 What are Anti-Anginal agents? Also Elaborate Isosorbide dinitrate.

Q.6 Write the short note on:

(a) Risperidone (b) Sulpride.

(Section: C)

Long questions:

[3×5 = 15]

Q.1 What are Hypoglycemic agents? Give their classification and also explain preparation of Insulin.

Q.2 What are Anti-convulsants? Give their classification and also explain Phenytoin with reference to their chemical structure.

Q.3 What are Diuretics? Give their classification and also explain any one drug with their chemical structure.