

THIRD SESSIONAL EXAM Question Paper (THEORY)

2021-22

Branch: D. Pharm

Year: I. D. Pharm

Subject & Subject Code: Pharmaceutical Chemistry

Marks: 40

Date: 05/07/2022

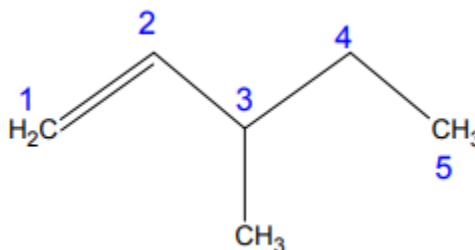
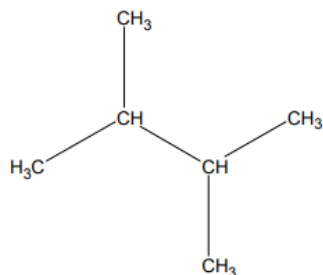
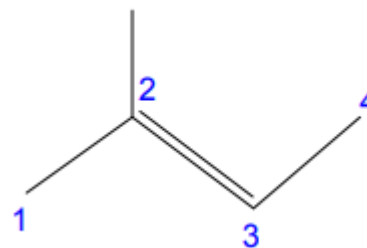
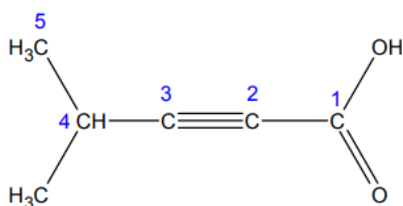
Time: 90 min

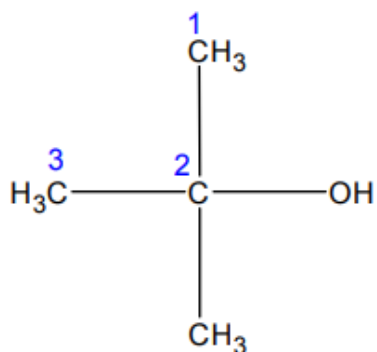
Instruction to Candidates:

- 1) Attempt All three Sections
- 2) Draw the structures of chemical compound wherever necessary.

I. Long Answers (Answer any 3 out of 4 questions) 3 X 5 marks=15 Marks.

1. Classify general Anaesthetics. Add a note on Thiopental Sodium.
2. Write the chemical name, structure, uses, stability, storage conditions, types of formulation and brand names of Phenytoin.
3. Define Anti-Arrhythmic drugs. Add a note on Class I antiarrhythmic compounds (Uses, stability and storage condition, types of formulation and at least one brand name for each)
4. Give the IUPAC name for the following structures:





II. Short Answers (Answer any 5 out of 6 questions) 5 X 3 Marks= 15 Marks

1. Give the structure and IUPAC name for Diazepam.
2. Define anticonvulsant. Write the uses and storage condition for carbamazepine and valproic acid
3. Give the structure for the following organic compounds.
 - A. Phenobarbitone
 - B. 2-methylpropan-2-ol
 - C. 2-methylbutanoic acid
4. What are antihypertensive drugs. Explain any 2 with its chemical name, uses and types Of formulation.
5. Give the IUPAC name for the following
 - A. Ketamine
 - B. Propofol
 - C. Gabapentin
6. Classify Antidepressant. Give the structure for Amitriptyline Hydrochloride.

III. Objective Answers (Answer all 10 out of 10 questions) 10 X 1 Marks = 10 marks

1. Give difference between organic and inorganic compounds.
2. Draw the structure for Benzene
3. Define sedative and hypnotics. Give one example.
4. Write any 2 antidepressants.
5. Explain storage condition and stability of propranolol and captopril.
6. Give one brand name for phenytoin, alprazolam
7. What are class 3 antiarrhythmic drugs. Give one example.
8. Write the uses of alprazolam and ketamine.
9. Give the structure for haloperidol
10. What is valency of oxygen and nitrogen.

SUBMIT YOUR ANSWERS ON OR BEFORE 3:40PM TODAY to
phchem-2020@vidyasiricop.edu.in