

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Write IUPAC names for following compounds-

- a)  $\text{CH}_2=\text{CH}_2$
- b)  $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$
- c)  $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_3 \\ | \\ \text{OH} \end{array}$
- d)  $\text{HCHO}$
- e)  $\text{CH}_3\text{COOH}$

Q.24 Discuss the chemical properties & uses of alkenes.

Q.25 Define sublimation. Explain the method of sublimation.

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**2nd Sem. / Chemical, Chem P & P**

**Subject : Organic Chemistry**

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Organic compounds have

- a) covalent bond      b) co-ordinate bond
- c) ionic bond      d) metallic bond

Q.2 The part of IUPAC name written before word root is

- a) suffix      b) prefix
- c) functional gp:      d) none

Q.3 Functional gp. present in ketone is

- a)  $-\text{CHO}$       b)  $-\text{COOH}$
- c)  $-\text{OH}$       d)  $>\text{CO}$

Q.4 Hydrocarbons are compounds with element

- a) C      b) H
- c) O      d) C & H

- Q.5 In distillation, the two processes involved are-
- a) evaporation & freezing
  - b) evaporation & condensation
  - c) sublimation & condensation
  - d) sublimation & freezing
- Q.6 What is the purpose of using vehicle components in paint manufacturing
- a) to prevent shrinkage & cracking
  - b) to spread paint evenly
  - c) to modify the weight of paint
  - d) to reduce the cost of paint

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Open chain compounds are also known as \_\_\_\_\_
- Q.8 Common name of  $\text{HCOOH}$  is \_\_\_\_\_
- Q.9 The property of carbon to form long chain molecules is called catenation. (T/F)
- Q.10 What is the general formula of alkanes?
- Q.11 Define melting point.
- Q.12 Define blistering.

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### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 State difference b/w organic & inorganic compounds.
- Q.14 Define - Saturated compounds, Unsaturated compounds.
- Q.15 State 4 points of difference b/w alkenes & alkynes.
- Q.16 Which property of carbon is responsible for the presence of a large no. of organic compounds? Explain.
- Q.17 How alkenes can be prepared by alcohols? Write reactions.
- Q.18 Write about the chemical properties of alkynes.
- Q.19 Write a short note on substitution reactions.
- Q.20 How can one detect the presence of sulphur in a given organic compound?
- Q.21 What are the characteristics of good paint?
- Q.22 Define pigment. Write the classification of pigments.

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