

SECTION-D

No. of Printed Pages : 4

Roll No.

220523

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) HCHO
- e) CH_3COOH

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

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

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

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 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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