

- Q.19 What is the importance of organic compounds. (CO1)
- Q.20 Write method of preparation of alkane by using reduction of Alkyl Halides. (CO3)
- Q.21 Write used of alkenes. (CO3)
- Q.22 What are functional groups? What is the functional group of Alcohol, Aldehyde and Ketone? (CO2)

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.23 Define Alkenes with the help of example. What are chemical properties of alkenes? (CO3)
- Q.24 Write a note on nomenclature of compounds. What are different functional groups? Write some rules for the nomenclature of the compounds. (CO2)
- Q.25 Explain manufacturing process of paint and different paint defects. (CO5)

No. of Printed Pages : 4
Roll No.

220523

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 Which of the following is formula for $\text{CH}_2=\text{CH}_2$ (CO2)
- a) Methane b) Ethane
c) Methene d) Ethene
- Q.2 Hydrocarbons are organic compounds with element _____. (CO1)
- a) Both Hydrogen & Carbon
b) Carbon
c) Hydrogen
d) Oxygen
- Q.3 Which of the following is a classification of organic compounds? (CO1)

- a) Alicyclic compounds and acyclic compounds
- b) Cyclic compounds and alicyclic compounds
- c) Open chain compounds and alicyclic compounds
- d) Open chain compound and linear chain compounds

Q.4 Which of the following does not come under addition reaction? (CO3)

- a) Halogenation b) Hydrohalogenation
- c) hydration d) Dehydration

Q.5 The other name of cyclic compound is (CO1)

- a) Closed chain compounds
- b) Ring compounds
- c) None of the above
- d) Both a & b

Q.6 What is not an organic compound (CO2)

- a) CH_4 b) $\text{CH}_2=\text{CH}_2$
- c) CH_3CHO d) NaOH

SECTION-B

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

Q.7 What are saturated compounds? (CO1)

Q.8 Define Coating. (CO4)

Q.9 What are two types of organic compounds? (CO1)

Q.10 The functional group of Alcohol is _____. (CO2)

Q.11 What are alkanes? (CO1)

Q.12 Name two types of organic reactions. (CO3)

SECTION-C

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

Q.13 Explain any two types of organic reactions with examples. (CO3)

Q.14 Explain acyclic compounds. (CO1)

Q.15 Explain the qualitative analysis of Nitrogen in brief. (CO3)

Q.16 What are additives? What is the significance of adding it in paint? (CO4)

Q.17 Write any two methods of purification of organic compounds and explain them. (CO3)

Q.18 Give IUPAC name for the following compounds. (CO2)

- a) C_4H_4
- b) CH_3OH
- c) $\text{CH}_3\text{CH}_2\text{Cl}$
- d) $\text{CH}_3\text{CH}_2\text{Br}$