



DAV PUBLIC SCHOOL, CRRC, MEDICAL ROAD, GAYA
Sunday Test – (17-11-2024)

Class : XI
Subject : Chemistry

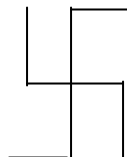
Time : 40 Min
F.M. : 20

GROUP – A (2 X 5 = 10)

1. Draw structure for
(a). 3-Oxohexanal (b) Hexa-1,3-dien-5-yne.
2. Define metamerism with a suitable example.
3. What are electrophile and nucleophile? Explain with examples.
4. Give condensed and bond line structure formula and identify the functional group present in 2-Hydroxy -1,2,3- propane tricarboxylic acid.
5. Draw chain isomers for C_5H_{12} .

GROUP- B (5 X 2 = 10)

6. a. Give an example of position isomers.
b. Draw structure for Pent-4-en-2-ol.
c. Write IUPAC name for



- d. Which of the following species act as nucleophile?
 $NH_3, BF_3, C_2H_5O^-$
 - e. What is the correct order of priority for the following group of organic compound in IUPAC nomenclature?
 $-COOH, -OH, -CO-, -CHO$
7. a. How many Sigma and Pi bonds are there in $H_2C=CCH=CHCH_3$.
b. What is the hybridization state of each carbon atom in $(CH_3)_2CO$?
c. Write bond line notation for Heptan-4-one.
d. Define functional group with a suitable example.
e. Write IUPAC name of CH_3COCH_2COOH