

CHEMISTRY-12	Chapter#08(Complete) Test: B-3		
	Name:	Class:	ID:
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 60 Min.			

Maximum Marks: 06 **(OBJECTIVE TYPE)** Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- Synthetic rubber is made by polymerization of:
 - Chloroform
 - Acetylene
 - Divinyl acetylene
 - Chloroprene
- When methane reacts with Cl_2 in the presence of diffused light, the products obtained are:
 - Chloroform only
 - Carbon tetrachloride only
 - Chloromethane and dichloromethane
 - Mixture of a, b, c
- Which one is not property or use of mustard gas?
 - Used in 1st World War
 - Powerful vesicant
 - High boiling liquid
 - High boiling gas
- Ethane can be prepared by the decarboxylation of:
 - Sodium acetate
 - Sodium propionate
 - Sodium batanoate
 - Sodium formate
- Select the conditions suitable for the dehydration of tertiary alcohols into alkenes.
 - 20% $\text{H}_2\text{SO}_4 + 85^\circ\text{C}$
 - 60% $\text{H}_2\text{SO}_4 + 100^\circ\text{C}$
 - 75% $\text{H}_2\text{SO}_4 + 140-170^\circ\text{C}$
 - None
- The conversion of vicinal dihalide into alkyne in the presence of a strong base is called:
 - Dehalogenation
 - Dehydrogenation
 - Dehydration
 - Dehydrohalogenation

Maximum Marks: 24 **(SUBJECTIVE TYPE)** Time Allowed: 50 Min.

SECTION-I

Q.2: Give brief answers to the following questions: (16)

- Write names of the following compounds: a) $(\text{C}_6\text{H}_5)_3\text{CH}$ b) $(\text{CH}_3\text{CH}_2)_3\text{CH}$
- What is Clemmensen and Wolf-Kishner reduction?
- How will you convert: a) Acetic acid to ethane? b) Methane into nitromethane?
- Give mechanism of the bromination of ethene.
- How would you establish that ethylene contains a double bond?
- Write skeleton formulas for all the possible alkenes of the molecular formula C_5H_{10} .
- What is an enol? How is it formed?
- How will you convert ethyne into acetonitrile and acrylonitrile?

SECTION-II

NOTE: Attempt All Questions: (08)

Q.3: Write down the structural formulae of the products formed when 1-Butene reacts with:

- (i) Cold dilute $\text{KMnO}_4/\text{OH}^-$ (ii) HBr (iii) O_2 in the presence of Ag_2O (iv) HOCl

Q.4: Describe with examples the acidic nature of alkynes.