CHEMISTRY-12	Chapter#08(Complete) Test: A-2		
	Name:	Class:	ID:
Date: / /	**Marks Total:** **19**	**Marks Obtained:**	
Time Allowed: 40 Min.			

Maximum Marks: 05 **(OBJECTIVE TYPE)** Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

1. **Formula of chloroform is:**
   (a) CH_3Cl (b) CCl_4 (c) CH_2Cl_2 (d) $CHCl_3$
2. **Which one of the following gases is used for artificial ripening of fruits?**
   (a) Ethene (b) Ethyne (c) Methane (d) Propane
3. **The catalytic oxidation of methane produces:**
   (a) $CO + H_2O$ (b) $CO_2 + H_2O$ (c) $C_2 + H_2O$ (d) CH_3OH
4. **The correct IUPAC name for 2-Methyl-3-ethylbutane is:**
   (a) 3-Methyl-2-ethylbutane (b) 3-Methyl-2-ethylpentane
   (c) 3-Methylhexane (d) 2,3-Dimethylpentane
5. **The boiling point of isobutane is:**
   (a) -0.5°C (b) -0.7°C (c) -10.5°C (d) -11.7°C
6. **Acetylene has _____ odour.**
   (a) Mustard like (b) Garlic like (c) Vineger like (d) Rotten egg like

Maximum Marks: 14 **(SUBJECTIVE TYPE)** Time Allowed: 30 Min.

SECTION-I

Q.2: Give brief answers to the following questions: **(10)**

i. Write structural formulas of: (i) 3-Methyl-1-pentene-4-yne (ii) But-1-en-3-yne,
ii. Discuss the inertness of sigma bond in alkanes.
iii. Why are alkenes called Olefins?
iv. How may ethene be converted into ethyl alcohol?
v. How is acetylene converted into: a) Benzene b) Chloroprene?

SECTION-II

NOTE: Attempt All Questions: **(04)**

Q.3: Explain free radical mechanism for the preparation of chlorine with methane in the presence of sunlight.