

CHEMISTRY-12	Chapter#07(Complete) Test-B-1		
	Name:	Class:	ID:
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 1 Hr.			

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

NOTE: Tick The Correct Option:

- 1: The chemist who synthesized urea from ammonium cyanate was:
 (a) Berzelius (b) Kolbe (c) Wholer (d) Lavoisier
- 2: A double bond consists of:
 (a) Two sigma bonds (b) One sigma and one pi bond
 (c) One sigma and two pi bonds (d) Two pi bonds
- 3: -SH functional group is called:
 (a) Cyano (b) Mercapto (c) Nitro (d) Carboxyl
- 4: Tetraethyl (TEL) lead is used as:
 (a) Pain killer (b) Petroleum additive
 (c) Fire extinguisher (d) Moth repellent
- 5: In catalytic cracking, higher hydrocarbons are heated to about:
 (a) 500°C (b) 900°C (c) 1000°C (d) 1500°C
- 6: The heteroatom in pyridine is:
 (a) N (b) O (c) S (d) P

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

SECTION-I

- Q.2: Give brief answers to the following questions: (16)
- i. Define organic compounds and organic chemistry.
 - ii. What is petroleum? How was it formed?
 - iii. Define octane number. How can it be improved?
 - iv. What are aromatic compounds? Give two examples.
 - v. Define functional group. Give two examples of oxygen containing functional groups.
 - vi. What is atomic orbital hybridization? Name its any two types.
 - vii. Define isomers and isomerism.
 - viii. Give the isomers of C₂H₆O and write their IUPAC names.

SECTION-II

NOTE: Attempt All Questions: (08)

- Q.3: Explain any four features of organic compounds.
- Q.4: What is sp² hybridization? Describe structure of ethene in the light of sp² hybridization.