

CHEMISTRY-12	Chapter#07(Complete) Test-B-		
	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:

- Linear shape is associated with which set of hybrid orbitals?
 (a) sp (b) sp^2 (c) sp^3 (d) dsp^2
- Select from the following the one which is alcohol:
 (a) CH_3-CH_2-OH (b) CH_3-O-CH_3 (c) CH_3COOH (d) CH_3-CH_2-Br
- Which one of the followings is an amide?
 (a) $(NH_2)_2CO$ (b) NH_2CH_3 (c) $C_6H_5NH_2$ (d) $N(CH_3)_3$
- Carbon atom of carboxyl group is:
 (a) sp hybridized (b) sp^2 hybridized (c) sp^3 hybridized (d) sp^2d hybridized
- Peat converted into lignite by:
 (a) Bacterial and chemical reactions (b) High temperature
 (c) High pressure (d) Both 'b' and 'c'
- A sigma framework of ethene contains how many total bonds?
 (a) 1 (b) 3 (c) 5 (d) 6
 (a) 2 (b) 3 (c) 4 (d) No

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

SECTION-I

- Q.2: Give brief answers to the following questions: (16)
- What is vital force theory? How was it rejected by Fredrick Wohler?
 - What is natural gas? What are its uses?
 - Differentiate between catalytic and steam cracking.
 - What is meant by knocking?
 - What is the disadvantage of using tetraethyl lead as antiknock agent?
 - What are amines and imines? Give one example of each.
 - Draw the shape of CH_3Cl molecule, showing overlapping of its orbitals.
 - What is the necessary condition for a compound to show cis-trans isomerism?

SECTION-II

NOTE: Attempt All Questions: (08)

- Q.3: How organic compounds are classified? Give suitable examples of each type.
- Q.4: What is sp hybridization? Explain the structure of acetylene on the basis of sp hybridization.