

CHEMISTRY-12	Chapter#07(Complete) Test-A-2		
	Name:	Class:	ID:
Date: / /	Marks	19	Marks Obtained:
Time Allowed: 35 Min.	Total:		

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

NOTE: Tick The Correct Option:

- 1: In t-butyl alcohol, the tertiary carbon is bonded to:
 - (a) Two hydrogen atoms
 - (b) Three hydrogen atoms
 - (c) One hydrogen atom
 - (d) No hydrogen atom
- 2: Linear shape is associated with which set of hybrid orbitals?
 - (a) sp
 - (b) sp²
 - (c) sp³
 - (d) dsp²
- 3: Which one is the heterocyclic compound of oxygen?
 - (a) Pyridine
 - (b) Pyrrole
 - (c) Furan
 - (d) Thiophene
- 4: Tautomerism arises due to the shifting of:
 - (a) Sigma electrons
 - (b) Neutron
 - (c) Pi electrons
 - (d) Proton
- 5: What is the purest form of coal?
 - (a) Peat
 - (b) Anthracite
 - (c) Bituminous
 - (d) Lignite

Maximum Marks: 14 **(SUBJECTIVE TYPE)** Time Allowed: 25 Min.

SECTION-I

- Q.2: Give brief answers to the following questions: (10)
- i. Define organic compounds and organic chemistry.
 - ii. Differentiate between catalytic and steam cracking.
 - iii. What is the disadvantage of using tetraethyl lead as antiknock agent?
 - iv. Define functional group. Give two examples of oxygen containing functional groups.
 - v. Why is there no free rotation around a double bond but a free rotation around a single bond?

SECTION-II

NOTE: Attempt All Questions: (04)

- Q.3: Explain reforming of petroleum with the help of suitable example.