

CHEMISTRY-12	Chapter#07(Complete) Test-A-3		
	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:

- Which set of hybrid orbitals has planar triangular shape?
 (a) sp^3 (b) sp (c) sp^2 (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
- SH functional group is called:
 (a) Cyano (b) Mercapto (c) Nitro (d) Carboxyl
- Number of possible chain isomers of an alkane C_5H_{12} are:
 (a) 2 (b) 3 (c) 4 (d) 5
- The catalyst used in catalytic cracking:
 (a) $MgO + Al_2O_3$ (b) $Al_2O_3 + Cr_2O_3$ (c) $MnO + Al_2O_3$ (d) $Al_2O_3 + SiO_2$

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

SECTION-I

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

- What is carbonization or destructive distillation of coal? Indicate three fractions obtained by the carbonization of coal.
- Define octane number. How can it be improved?
- What are alicyclic compounds? Give two examples.
- Draw the shape of methane molecule, according to hybridization approach.
- Define metamerism with examples.

SECTION-II

NOTE: Attempt All Questions: (04)

Q.3: Define isomerism. Explain geometric isomerism with examples.