

CHEMISTRY-12	Chapter#07(Complete) Test-A-4		
	Name:	Class:	ID:
Date: / /	Marks Total: 19	Marks Obtained:	
Time Allowed: 35 Min.			

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

NOTE: Tick The Correct Option:

- The chemist who synthesized urea from ammonium cyanate was:
 - Berzelius
 - Kolbe
 - Wholer
 - Lavoisier
- A double bond consists of:
 - Two sigma bonds
 - One sigma and one pi bond
 - One sigma and two pi bonds
 - Two pi bonds
- Which one of the followings is an amide?
 - $(\text{NH}_2)_2\text{CO}$
 - NH_2CH_3
 - $\text{C}_6\text{H}_5\text{NH}_2$
 - $\text{N}(\text{CH}_3)_3$
- The bond angle between any two sp^2 hybrid orbitals is:
 - 180°
 - 109.5°
 - 120°
 - 107.5°
- The percentage of carbon in different forms of coal is in the order:
 - Peat > Anthracite > Bituminous > Lignite
 - Anthracite > Lignite > Bituminous > Peat
 - Anthracite > Bituminous > Lignite > Peat
 - Lignite > Bituminous > Anthracite > Peat

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

SECTION-I

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

- What is petroleum? How was it formed?
- Define reforming of petroleum.
- What are heterocyclic compounds? Give two examples.
- A tetravalent carbon atom is more stable than a divalent carbon atom. Explain.
- Give the isomers of $\text{C}_2\text{H}_6\text{O}$ and write their IUPAC names.

SECTION-II

NOTE: Attempt All Questions: (04)

Q.3: What is sp hybridization? Explain the structure of acetylene on the basis of sp hybridization.