

<b>CHEMISTRY-12</b>	<b>Chapter # 09 (Complete) Test: A-2</b>		
	Name:	Class:	ID:
Date: / /	<b>Marks Total: 19</b>	<b>Marks Obtained:</b>	
Time Allowed: 40 Min.			

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

**NOTE:** Tick The Correct Option:

- Aromatic hydrocarbons are the derivatives of:
  - Normal series of paraffins
  - Alkene
  - Benzene
  - Chyclohaxane
- Benzene can't undergo:
  - Substitution reactions
  - Addition reactions
  - Oxidation reaction
  - Elimination reactions
- Which compound is the most reactive one?
  - Benzene
  - Ethene
  - Ethane
  - Ethyne
- The resonating contributing structures of benzene are:
  - 2
  - 3
  - 5
  - 7
- m-chloronitrobenzene is prepared by:
  - Nitration of chlorobenzene
  - Nitration of benzene
  - Chlorination of nitrobenzene
  - Nitration of m-chlorobenzene

Maximum Marks: 14 **(SUBJECTIVE TYPE)** Time Allowed: 30 Min.

### SECTION-I

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

- Draw the structures of naphthalene and anthracene.
- Define resonance. Give resonance structures of benzene proposed by Kekule and Dewar.
- What is Wurtz-Fittig reaction?
- Give two reactions in which benzene behaves as saturated compounds.
- Why is benzene less reactive than alkenes although it has three double bonds?

### SECTION-II

**NOTE:** Attempt All Questions: (04)

**Q.3:** What are Friedal-Crafts reactions? Explain the mechanism of Friedal-Crafts alkylation and acylation.