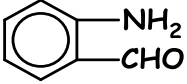


CHEMISTRY-12	Chapter # 09 (Complete) Test: B-1		
	Name:	Class:	ID:
Date: / /	Marks	30	Marks Obtained:
Time Allowed: 60 Min.	Total:		

Maximum Marks: 06 **(OBJECTIVE TYPE)** Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- Which of the following acids can be used as a catalyst in Friedel-Crafts reactions?
 (a) AlCl_3 (b) HNO_3 (c) BeCl_2 (d) NaCl
- The conversion of n-hexane into benzene by heating in the presence of Pt is called:
 (a) Isomerization (b) Aromatization (c) Dealkylation (d) Rearrangement
- m-chloronitrobenzene is prepared by:
 (a) Nitration of chlorobenzene (b) Nitration of benzene
 (c) Chlorination of nitrobenzene (d) Nitration of m-chlorobenzene
- The correct name of the compound  is:
 (a) 2-Aminobenzaldehyde (b) 2-Formylaniline
 (c) 2-Formylaminobenzene (d) o-Aminobenzaldehyde
- Benzene was first of all discovered by _____ in 1825.
 (a) Michael Faraday (b) Hoffmann (c) Kekule (d) Runge
- Ozonolysis of benzene yields:
 (a) Glycol (b) Glyoxal (c) Benzaldehyde (d) Benzoic acid

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

SECTION-I

- Q.2: Give brief answers to the following questions:** (16)
- What are aromatic hydrocarbons? Give examples.
 - Give names and isomeric structures of trimethylbenzene.
 - What were the objections to Kekule's formula?
 - How is benzene prepared from cyclohexane?
 - Write down the mechanism for halogenation of benzene.
 - What happens when benzene is burnt in free supply of oxygen?
 - How will you distinguish chemically toluene from benzene?
 - What are meta-directing groups?

SECTION-II

NOTE: Attempt All Questions: (08)

- Q.3:** Discuss extraordinary stability of benzene molecule.
- Q.4:** Detail out reactions in which benzene acts as saturated hydrocarbon and two reactions in which it behaves as unsaturated.