

CHEMISTRY-12	Chapter # 09 (Complete) Test: A-4		
	Name:	Class:	ID:
Date: / /	Marks Total: 19	Marks Obtained:	
Time Allowed: 40 Min.			

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

NOTE: Tick The Correct Option:

- Amongst the following the compounds that can be most readily sulphonated is:
 (a) Toluene (b) Benzene (c) Nitrobenzene (d) Chlorobenzene
- The electrophile in aromatic sulphonation is:
 (a) H_2SO_4 (b) HSO_4^- (c) SO_3 (d) SO_3^+
- The structure of benzene is:
 (a) Hexagonal irregular (b) Tetrahedral
 (c) Trigonal planar (d) Hexagonal planar
- Toluene $\xrightarrow[100^\circ C]{HNO_3 + H_2SO_4}$?
 (a) o-Nitrotoluene (b) m-Nitrotoluene (c) p-Nitrotoluene (d) 2,4,6-TNT
- Which one of the following species is an electron withdrawing?
 (a) $-CH_3$ (b) $-CHO$ (c) $-OH$ (d) $-NH_2$

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

SECTION-I

- Q.2: Give brief answers to the following questions: (10)
- Give names and the isomeric structures of xylene.
 - What were the objections to Kekule's formula?
 - How is benzene prepared from acetylene?
 - Write general mechanism of electrophilic substitution reactions of benzene.
 - How will you distinguish chemically toluene from benzene?

SECTION-II

NOTE: Attempt All Questions: (04)

- Q.3: What is resonance? Explain the structure of benzene on the basis of resonance.