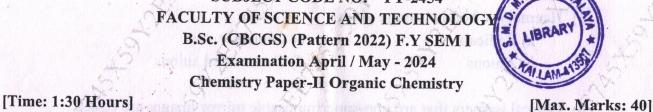
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## **SUBJECT CODE NO: - YY-2454**

Please check whether you have got the right question paper.





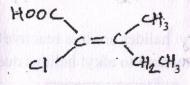
N.B

- 1) All questions are compulsory.
- 2) All questions carry equal marks
- Q.1 What is isomerism? Explain different types of structural isomerism using examples.

- a) Discuss the structure and stability of carbocations. 5
- b) Explain the Kekule structure of benzene. 5
- Q.2 Give any two methods of preparation of aryl halides with suitable example. 10

- a) Explain the Pinacol Pinacolone rearrangement. 5
- b) How phenols are prepared from diazonium salts. 5
- Q.3 Write short notes on (any two)

a) Assign E or I designation



- b) SNi reaction
- c) Halogenation of phenol
- d) Friedel- craft acylation reaction
- Q.4 Choose and write the correct answer of the following.

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- 1) Inductive effect is
  - a) Permanent effect
- b) Temporary effect
- c) Situational effect
- d) None of these

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2) Haemolytic bond clearage give	S TOWER WAS STRONG TO STRO
a) Radicals	b) Cations
c) Anions	d) Cations and anions
grade O Subsery	Carried Capacity Control
	perimposable mirror images are called
a) Metamers	b) Tautomers
c) Diastereomers	d) Enantiomers
8 m	a king Company and the Company and the
4) How many optical isomers are	
a) 1	b) 2
c) 3	d) 4
5) 77	
5) The carbon atoms in a benzene	
a) sp hybridized	b) sp <sup>2</sup> hybridized
c) sp <sup>3</sup> hybridized	d) None of these
6) In sulphonation of benzene the	attacking species is
a) $HS_{04}^{-}$	b) SO <sub>3</sub>
c) SO <sub>2</sub>	d) H+ distribution
c) SO2	s. ib med bossing a Noseda well of the
7) which compound reacts most ra	midly by SN <sup>1</sup> mechanism
a) Tert-butyl chloride	b) Isopropyl chloride
c) methyl chloride	d) Ethyl chloride
A STATE OF THE STA	
8) Aryl halides are less reactive to	wards nucleophilic substitution as
compared to alkyl halides due to	
a) Stereoisomerism	b) Tautomerism
c) Inductive effect	d) Resonance stabilization
Andrew Control of the	
9) Lucas test is used to determine	the type of
a) Alcohols	b) Acids
c) Carbohydrates	d) Amines
And the state of t	1 and Assault and an analysis of the control of the
10)Phenol is acidic because of	
a) Peroxide effect	b) Resonance
c) Inductive effect	d) Electromeric effect