



SHIKSHA CLASSES

Subject : Chemistry

BOARD QUESTION PAPER

Total Marks : 20

Class : XII

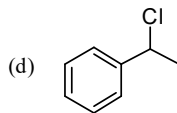
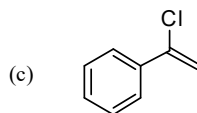
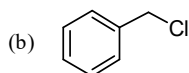
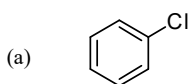
Topic: 10. Halogen Derivatives

Time : 1 Hr.

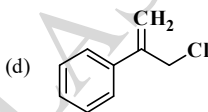
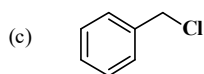
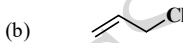
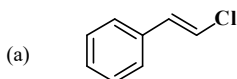
Section (A)

Q. 1 : Select and write the most appropriate answer from given alternatives in each sub-question. 5

i) The strongest C-Cl bond present in



ii) Which of the following structure is Vinyl Chloride?



iii) The halogenating reagent is

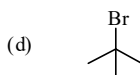
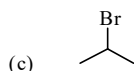
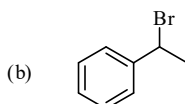
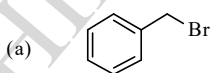
a) ZnCl_2/HCl

b) SOCl_2

c) POCl_3

d) All of these

iv) Which of the following is better reactant for SN^1 Reaction?



- v) IUPAC name of Allyl chloride is
- a) 3-chloroprop-1-ene b) 1-chloroprop-1-ene
c) 1-chloroprop-2-ene d) 3-chloroprop-2-ene

Q.2 : Very short answer type Question. 2

- i) Write definition of enantiomer and racemic mixture.
ii) What is primary Alkyl Halide?

Section (B)

: Answer the following questions. (Any Three) 6

Q.3 : What are the halogen derivatives of alkane, classify with examples?

Q.4 : Give any one method of preparation of alkyl halide.

Q.5 : What are the Grignard Reaction? Explain with examples.

Q.6 : What are Optical Activity? Explain with examples.

Section (C)

: Answer the following question. (Any one) 3

Q.7 : Explain the nature of C-X bond in aliphatic and aromatic halogen compounds.

Q.8 : Explain Friedel-Craft alkylation and acylation reaction with its examples.

Section (D)

: Answer the following question. (Any one) 4

Q.9 : Give the Friedel-Craft alkylation and acylation reaction of chlorobenzene?

Q.10 : What are Finkelstein and Swartz reaction?

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