



Time: 3 hours

SUBJECT – CHEMISTRY (NEET|IIT-JEE)

Marks: 50

Haloalkanes and Haloarenes [Daily Practice Paper]

(D P P)

NAME OF STUDENT:- _____

DATE:-/...../.....

❖ INSTRUCTION:- ATTEMPT ALL QUESTION.

- Q1. The organic chloro compound, which shows complete stereochemical Inversion during a S_N2 reaction, is [2008]**
- (a) $(C_2H_5)_2CHCl$ (b) $(CH_3)_3CCl$
(c) $(CH_3)_2CHCl$ (d) CH_3Cl
- Q2. Reaction of trans 2-phenyl-1-bromocyclopentane on reaction with alcoholic KOH produces [2006]**
- (a) 1-phenylcyclopentene (b) 3-phenylcyclopentene
(c) 4-phenylcyclopentene (d) 2-phenylcyclopentene
- Q3. Ammonolysis of Alkyl halides followed by the treatment with NaOH solution can be used to prepare primary, secondary and tertiary amines. The purpose of NaOH in the reaction is [March 16, 2021 (II)]**
- (a) To remove basic impurities (b) To activate NH_3 used in the reaction
(c) To remove acidic impurities (d) To increase the reactivity of Alkyl halide

Q4. Tertiary alkyl halides are practically inert to substitution by S_N2 mechanism because of [2005]

- (a) steric hindrance (b) inductive effect
(c) instability (d) insolubility

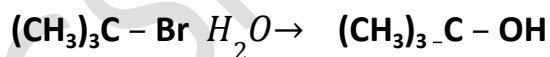
Q5. Alkyl halides react with dialkyl copper reagents to give [2005]

- (a) alkenyl halides (b) alkanes
(c) alkyl copper halides (d) alkenes

Q6. Elimination of bromine from 2-bromobutane results in the formation of - [2005]

- (a) predominantly 2- butyne (b) predominantly 1- butene
(c) predominantly 2- butene (d) Equimolar mixture of 1 and 2-butene

Q7. The reaction : [2002]



- (a) elimination reaction (b) substitution reaction
(c) free radical reaction (d) displacement reaction

Q8. The order of reactivity of the given haloalkanes towards nucleophile is : [Online April 23, 2013]

- (a) $\text{RI} > \text{RBr} > \text{KCl}$ (b) $\text{RCI} > \text{RBr} > \text{RI}$
(c) $\text{RBr} > \text{RCI} > \text{RI}$ (d) $\text{RBr} > \text{RI} > \text{RCI}$

Q9. How many chiral compounds are possible on monochlorination of 2- methyl butane?
[2012]

- (a) 8 (b) 2
(c) 4 (d) 6

Q10. $C_2H_5Br \xrightarrow{AgCN}$ Reduction $- Hg/HCl \rightarrow Y$, Here Y is

[Online May 7, 2012]

- (a) Ethyl Methyl amine (b) n-propylamine
(c) Isopropylamine (d) Ethylamine