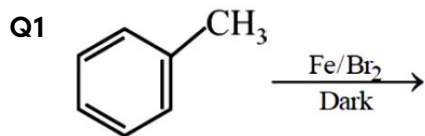


Lakshya NEET (2025)

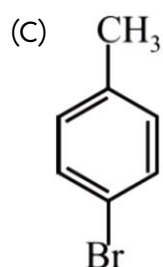
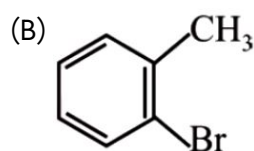
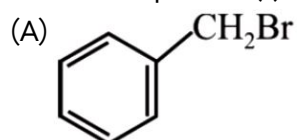
Organic Chemistry

DPP: 9

Haloalkanes and Haloarenes

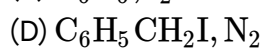
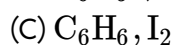
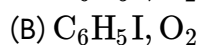
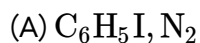
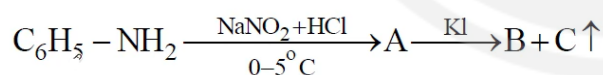


Predict the product(s)

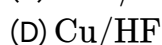


(D) Both (B) and (C)

Q2 Here B and C are



Q3 Aryl fluoride may be prepared from arene diazonium chloride using:



Q4 The conditions that are necessary for the preparation of Aryl halides from benzene

(A) Low temperature

(B) Absence of sunlight

(C) Presence of halogen carrier

(D) All of the above

Q5 In Gattermann reaction, a diazonium group is replaced by X using Y, X, Y are:

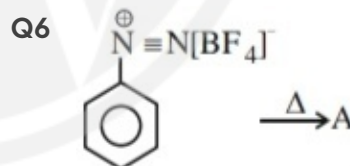
	X	Y
(1)	Cl^\ominus	Cu/HCl
(2)	Cl^\oplus	CuCl_2/HCl
(3)	Cl^\ominus	CuCl_2/HCl
(4)	Cl_2	$\text{Cu}_2\text{O}/\text{HCl}$

(A) 1

(B) 2

(C) 3

(D) 4



In the above process product A is

(A) Fluorobenzene

(B) Benzene

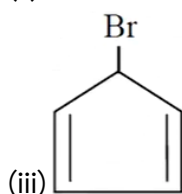
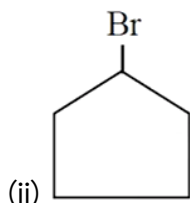
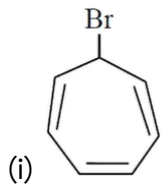
(C) 1,4-difluorobenzene

(D) 1,3-difluorobenzene

Q7 $\text{C}_6\text{H}_5\text{Cl}$ can be prepared by reacting aniline with:(A) HCl (B) Cu_2Cl_2 (C) Cl_2 in presence of anhydrous AlCl_3 

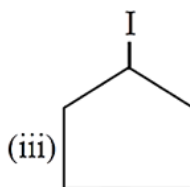
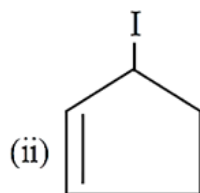
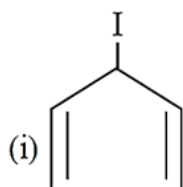
(D) HNO_2 and then heating with Cu_2Cl_2

Q8 Compare rate of reaction with Ag^+NO_3^- or rate of $\text{S}_{\text{N}}1$ reaction:



- (A) $i > iii > ii$
 (B) $i > ii > iii$
 (C) $iii > ii > i$
 (D) $ii > i > iii$

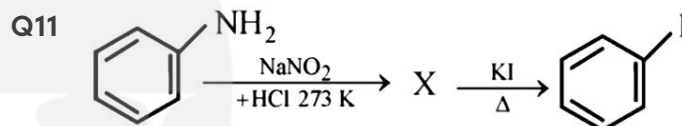
Q9 Compare rate of reaction with Ag^+NO_3^- or rate of $\text{S}_{\text{N}}1$ reaction:



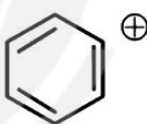
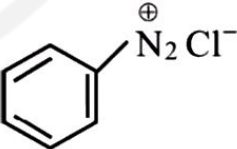

- (A) $i > ii > iii$
 (B) $ii > iii > i$
 (C) $ii > i > iii$
 (D) $i > iii > ii$

Q10 Chlorobenzene can be prepared by reacting aniline with

- (A) Hydrochloric acid
 (B) Cuprous chloride
 (C) Chlorine in presence of anhydrous aluminium chloride
 (D) Nitrous acid followed by heating with cuprous chloride



X is-

- (A) 
 (B) 
 (C) 
 (D) None of these



Answer Key

Q1 (D)
Q2 (A)
Q3 (A)
Q4 (D)
Q5 (A)
Q6 (A)

Q7 (D)
Q8 (B)
Q9 (B)
Q10 (D)
Q11 (B)



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