

NEET ALCOHOLS, PHENOLS AND ETHERS — REACTIONS OF PHENOLS — PYQS

Max. Marks: 24

Questions: 6

Section A (MCQ) — 6 questions

Q.1 Match the reagents (**List-I**) with the product (**List-II**) obtained from phenol.

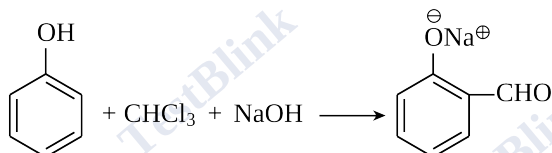
List-I		List-II	
a.	(i) NaOH (ii) CO ₂ (iii) H ⁺	i.	Benzoquinone
b.	(i) Aqueous NaOH + CHCl ₃ (ii) H ⁺	ii.	Benzene
c.	Zn dust, Δ	iii.	Salicylaldehyde
d.	Na ₂ Cr ₂ O ₇ , H ₂ SO ₄	iv.	Salicylic acid

Choose the correct answer from the options given below : [NEET (UG) 2022 (Phase 2)]

- (1) (a)-(iv), (b)-(ii), (c)-(i), (d)-(iii)
 (2) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)
 (3) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)
 (4) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

Scan or tap for the full solution 

Q.2 In the reaction,



the electrophile involved is

[NEET 2018]

- (1) dichloromethyl cation (CHCl_2^+)
 (2) formyl cation (CHO^+)
 (3) dichloromethyl anion (CHCl_2^-)
 (4) dichlorocarbene (:CCl_2)

Scan or tap for the full solution 

Q.3 Reaction of phenol with chloroform in presence of dilute sodium hydroxide finally introduces which one of the following functional group?

[AIPMT 2015]

- (1) -COOH (2) -CHCl₂ (3) -CHO (4) -CH₂Cl

Scan or tap for the full solution 

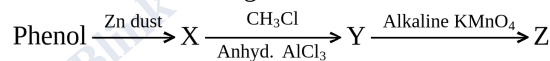
Q.4 Match the compounds given in **List-I** with **List-II** and select the suitable option using the code given below. [AIPMT 2011 (Mains)]

List-I		List-II	
A.	Benzaldehyde	i.	Phenolphthalein
B.	Phthalic anhydride	ii.	Benzoin condensation
C.	Phenyl benzoate	iii.	Oil of wintergreen
D.	Methyl salicylate	iv.	Fries rearrangement

- (1) (A)-(iv), (B)-(i), (C)-(iii), (D)-(ii)
 (2) (A)-(iv), (B)-(ii), (C)-(iii), (D)-(i)
 (3) (A)-(ii), (B)-(iii), (C)-(iv), (D)-(i)
 (4) (A)-(ii), (B)-(i), (C)-(iv), (D)-(iii)

Scan or tap for the full solution 

Q.5 Consider the following reaction :



the product Z is

[AIPMT 2009]

- (1) benzaldehyde (2) benzoic acid
 (3) benzene (4) toluene

Scan or tap for the full solution 

Q.6 When phenol is treated with CHCl₃ and NaOH, the product formed is [AIPMT 2002]

- (1) benzaldehyde (2) salicylaldehyde
 (3) salicylic acid (4) benzoic acid

Scan or tap for the full solution 

ANSWER KEY

Ques.	1	2	3	4	5	6				
Ans.	4	4	3	4	2	2				