

NEET ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — CANNIZZARO REACTION OF ALDEHYDES — PYQS

Max. Marks: 20

Questions: 5

Section A (MCQ) — 5 questions

Q.1 Match **List-I** with **List-II** and choose the correct option. [NEET (UG) 2024]

List-I		List-II	
A.	Wurtz reaction	I.	HCHO + conc. NaOH
B.	Kolbe's reaction	II.	R-X + Na in dry ether
C.	Cannizzaro reaction	III.	Toluene + CrO ₂ Cl ₂
D.	Etard reaction	IV.	Sodium phenoxide + CO ₂

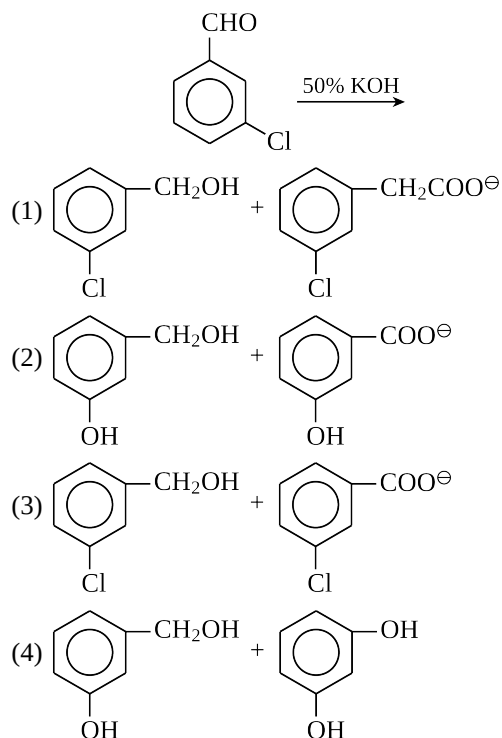
- (1) A-II, B-IV, C-I, D-III (2) A-I, B-II, C-III, D-IV
(3) A-IV, B-III, C-II, D-I (4) A-II, B-I, C-IV, D-III

Scan or tap for the full solution



Q.2 Predict the products in the given reaction.

[AIPMT 2012 (Prelims)]



Scan or tap for the full solution



Q.3 Which of the following reactions will not result in the formation of carbon-carbon bonds?

[AIPMT 2010 (Prelims)]

- (1) Reimer-Tiemann reaction
(2) Cannizzaro reaction
(3) Wurtz reaction
(4) Friedel-Crafts acylation

Scan or tap for the full solution



Q.4 Which one of the following on treatment with 50% aqueous sodium hydroxide yields the corresponding alcohol and acid?

[AIPMT 2007]

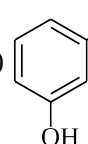
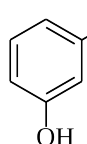
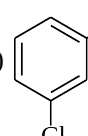
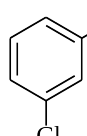
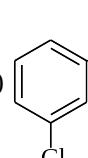
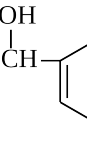
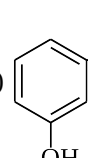
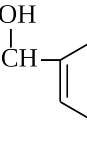
- (1) C₆H₅CHO (2) CH₃CH₂CH₂CHO
(3) CH₃-C(=O)-CH₃ (4) C₆H₅CH₂CHO

Scan or tap for the full solution



Q.5 When m-chlorobenzaldehyde is treated with 50% KOH solution, the product(s) obtained is (are)

[AIPMT 2003]

- (1)  + 
(2)  + 
(3)  + 
(4)  + 

Scan or tap for the full solution



ANSWER KEY

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