

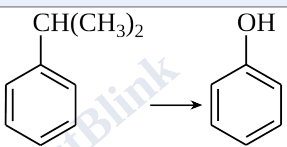
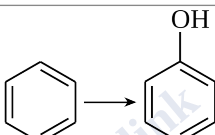
NEET ALCOHOLS, PHENOLS AND ETHERS — PREPARATION OF ALCOHOLS — PYQS

Max. Marks: 40

Questions: 10

Section A (MCQ) — 10 questions

Q.1 Match **List-I** with **List-II** : [NEET (UG) 2026]

List-I	
A.	
B.	$\text{CH}_3\text{COOH} \longrightarrow \text{CH}_3\text{CH}_2\text{OH}$
C.	$\text{CH}_3\text{CH}_2\text{CH}_2\text{OH} \longrightarrow \text{CH}_3-\underset{\text{OH}}{\text{CH}}-\text{CH}_3$
D.	

List-II	
I.	(i) Oleum; (ii) NaOH, Δ ; (iii) H^+
II.	(i) O_2 ; (ii) $\text{H}_2\text{O}/\text{H}^+$
III.	(i) CH_3OH , H^+ ; (ii) H_2 , catalyst
IV.	(i) conc. H_2SO_4 , Δ ; (ii) $\text{H}^+/\text{H}_2\text{O}$

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

Scan or tap for the full solution


Q.2 Given below are two statements:

Statement-I: Propene on treatment with diborane gives an addition product with the formula $((\text{CH}_3)_2\text{CH})_3\text{B}$

Statement-II: Oxidation of $((\text{CH}_3)_2\text{CH})_3\text{B}$ with hydrogen peroxide in presence of NaOH gives propan-2-ol.

In the light of the above statements, choose the most appropriate answer from the options given below:

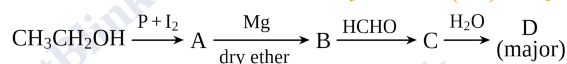
[RE-NEET (UG) 2024]

- (1) Statement-I is correct but Statement-II is incorrect
 (2) Statement-I is incorrect but Statement-II is correct
 (3) Both Statement-I and Statement-II are correct
 (4) Both Statement-I and Statement-II are incorrect

Scan or tap for the full solution

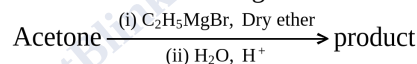

Q.3 Identify D in the following sequence of reactions:

[RE-NEET (UG) 2024]



- (1) n-propyl alcohol (2) isopropyl alcohol
 (3) propanal (4) propionic acid

Scan or tap for the full solution


Q.4 What is the IUPAC name of the organic compound formed in the following chemical reaction?


[NEET (UG) 2021]

- (1) 2-methylbutan-2-ol (2) 2-methylpropan-2-ol
 (3) pentan-2-ol (4) pentan-3-ol

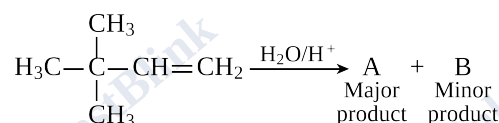
Scan or tap for the full solution


Q.5 Reaction between acetone and methylmagnesium chloride followed by hydrolysis will give :

[NEET (UG) 2020]

- (1) Sec. butyl alcohol (2) Tert. butyl alcohol
 (3) Isobutyl alcohol (4) Isopropyl alcohol

Scan or tap for the full solution


Q.6 In the following reaction


The major product is

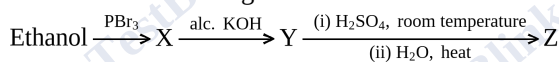
[AIPMT 2012 (Prelims)]

- (1) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{H}_3\text{C}-\text{C}-\text{CH}-\text{CH}_3 \\ | \quad | \\ \text{OH} \quad \text{CH}_3 \end{array}$
- (2) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_2-\text{C}-\text{CH}_2-\text{CH}_3 \\ | \quad | \\ \text{OH} \quad \text{CH}_3 \end{array}$
- (3) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{H}_3\text{C}-\text{C}-\text{CH}-\text{CH}_3 \\ | \quad | \\ \text{CH}_3 \quad \text{OH} \end{array}$
- (4) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{H}_3\text{C}-\text{C}-\text{CH}_2-\text{CH}_2 \\ | \quad | \\ \text{CH}_3 \quad \text{OH} \end{array}$

Scan or tap for the full solution



Q.7 Consider the following reaction :



the product Z is

[AIPMT 2009]

- (1) $\text{CH}_3\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3$
 (2) $\text{CH}_3-\text{CH}_2-\text{O}-\text{SO}_3\text{H}$
 (3) $\text{CH}_3\text{CH}_2\text{OH}$
 (4) $\text{CH}_2=\text{CH}_2$

Scan or tap for the full solution



Q.8 Ethylene oxide when treated with Grignard reagent yields

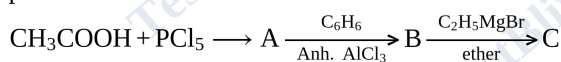
[AIPMT 2006]

- (1) primary alcohol (2) secondary alcohol
 (3) tertiary alcohol (4) cyclopropyl alcohol

Scan or tap for the full solution



Q.9 In a set of the given reactions, acetic acid yielded a product C.



Product C would be

[AIPMT 2003]

- (1) $\text{CH}_3\text{CH}(\text{OH})\text{C}_2\text{H}_5$ (2) $\text{CH}_3\text{COC}_6\text{H}_5$
 (3) $\text{CH}_3\text{CH}(\text{OH})\text{C}_6\text{H}_5$ (4) $\text{CH}_3-\overset{\text{C}_2\text{H}_5}{\underset{|}{\text{C}}}(\text{OH})\text{C}_6\text{H}_5$

Scan or tap for the full solution



Q.10 Which reagent converts propene to 1-propanol ?

[AIPMT 2000]

- (1) $\text{H}_2\text{O}, \text{H}_2\text{SO}_4$
 (2) $\text{B}_2\text{H}_6, \text{H}_2\text{O}_2, \text{OH}^-$
 (3) $\text{Hg}(\text{OAc})_2, \text{NaBH}_4/\text{H}_2\text{O}$
 (4) Aq. KOH

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	
Ans.	3	2	1	1	2	1	3	1	4	2	