

PYQSide

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

Max. Marks: 20

Questions: 5

Section A (MCQ)

Q.1 The compound A on treatment with Na gives B, and with PCl_5 gives C. B and C react together to give diethyl ether. A, B and C are in the order

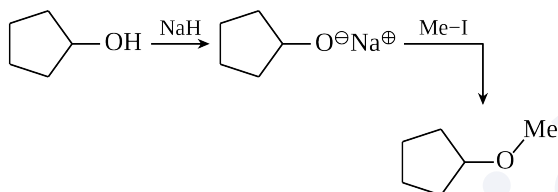
[NEET 2018]

- (1) $\text{C}_2\text{H}_5\text{OH}$, C_2H_6 , $\text{C}_2\text{H}_5\text{Cl}$
- (2) $\text{C}_2\text{H}_5\text{OH}$, $\text{C}_2\text{H}_5\text{Cl}$, $\text{C}_2\text{H}_5\text{ONa}$
- (3) $\text{C}_2\text{H}_5\text{Cl}$, C_2H_6 , $\text{C}_2\text{H}_5\text{OH}$
- (4) $\text{C}_2\text{H}_5\text{OH}$, $\text{C}_2\text{H}_5\text{ONa}$, $\text{C}_2\text{H}_5\text{Cl}$

Scan or tap for the full solution



Q.2 The reaction



can be classified as

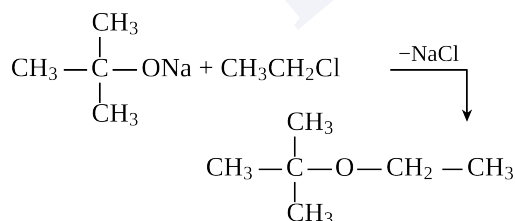
[NEET 2016 (Phase 1)]

- (1) dehydration reaction
- (2) Williamson alcohol synthesis reaction
- (3) Williamson ether synthesis reaction
- (4) alcohol formation reaction.

Scan or tap for the full solution



Q.3 The reaction,



is called

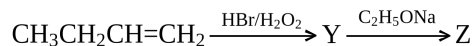
[AIPMT 2015 (Cancelled)]

- (1) Etard reaction
- (2) Gattermann-Koch reaction
- (3) Williamson synthesis
- (4) Williamson continuous etherification process

Scan or tap for the full solution



Q.4 Identify Z in the sequence of reactions:



[AIPMT 2014]

- (1) $\text{CH}_3\text{—(CH}_2\text{)}_3\text{—O—CH}_2\text{CH}_3$
- (2) $(\text{CH}_3)_2\text{CH—O—CH}_2\text{CH}_3$
- (3) $\text{CH}_3(\text{CH}_2)_4\text{—O—CH}_3$
- (4) $\text{CH}_3\text{CH}_2\text{—CH(CH}_3\text{)—O—CH}_2\text{CH}_3$

Scan or tap for the full solution



Q.5 Among the following sets of reactants which one produces anisole? [AIPMT 2014]

- (1) CH_3CHO ; RMgX
- (2) $\text{C}_6\text{H}_5\text{OH}$; NaOH ; CH_3I
- (3) $\text{C}_6\text{H}_5\text{OH}$; neutral FeCl_3
- (4) $\text{C}_6\text{H}_5\text{CH}_3$; CH_3COCl ; AlCl_3

Scan or tap for the full solution



ANSWER KEY

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