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

Max. Marks: 20 **Questions:** 5

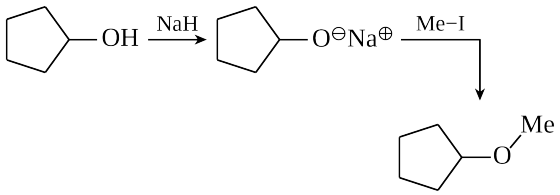
Section A (MCQ) — 5 questions

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) C_2H_5OH, C_2H_6, C_2H_5Cl
(2) C_2H_5OH, C_2H_5Cl, C_2H_5ONa
(3) C_2H_5Cl, C_2H_6, C_2H_5OH
(4) C_2H_5OH, C_2H_5ONa, C_2H_5Cl

Scan or tap for the full solution

Q.2 The reaction

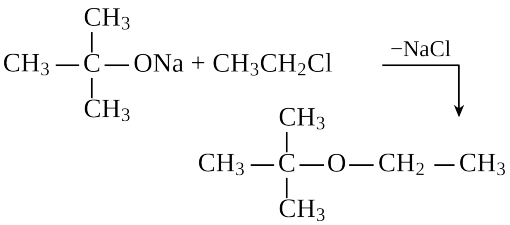


can be classified as [NEET 2016 (Phase 1)]

(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:

$$CH_3CH_2CH{=}CH_2 \xrightarrow{HBr/H_2O_2} Y \xrightarrow{C_2H_5ONa} Z$$

[AIPMT 2014]

(1) $CH_3–(CH_2)_3–O–CH_2CH_3$
(2) $(CH_3)_2CH–O–CH_2CH_3$
(3) $CH_3(CH_2)_4–O–CH_3$
(4) $CH_3CH_2–CH(CH_3)–O–CH_2CH_3$

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) C_6H_5OH ; NaOH ; CH_3I
(3) C_6H_5OH ; neutral $FeCl_3$
(4) $C_6H_5CH_3$; 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						