

JEE MAIN ALCOHOLS, PHENOLS AND ETHERS — PREPARATION OF ETHERS — PYQS

Max. Marks: 8

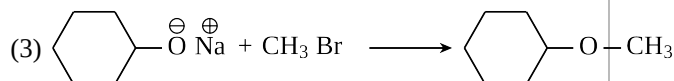
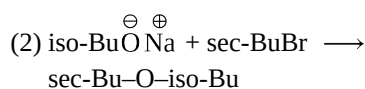
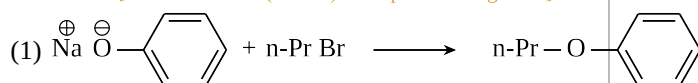
Questions: 2

Section A (MCQ) — 2 questions

Q.1 Which one of the following reactions will not lead to the desired ether formation in major proportion?

(iso-Bu $\Rightarrow$ isobutyl, sec-Bu $\Rightarrow$ sec-butyl, n-Pr $\Rightarrow$ n-propyl, ^tBu $\Rightarrow$ tert-butyl, Et $\Rightarrow$ ethyl)

[JEE Main 2025 (Online) 8th April Evening Shift]



Scan or tap for the full solution



Q.2 A toxic compound "A" when reacted with NaCN in aqueous acidic medium yields an edible cooking component and food preservative "B". "B" is converted to "C" by diborane and can be used as an additive to petrol to reduce emission. "C" upon reaction with oleum at 140°C yields an inhalable anesthetic "D". Identify "A", "B", "C" & "D", respectively :

[JEE Main 2025 (Online) 4th April Evening Shift]

- (1) Methanol; acetic acid; ethanol; diethyl ether
- (2) Ethanol; acetonitrile; ethylamine; ethylene
- (3) Methanol; formaldehyde; methyl chloride; chloroform
- (4) Acetaldehyde; 2-hydroxypropanoic acid; propanoic acid; dipropyl ether

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2												
Ans.	2	1												