

# PYQSide

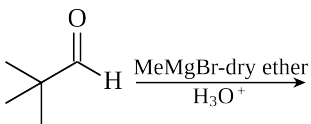
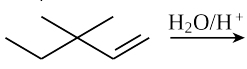
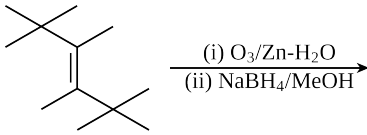
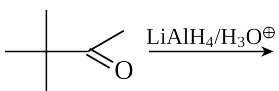
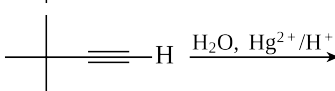
## JEE MAIN ALCOHOLS, PHENOLS AND ETHERS — PREPARATION OF ALCOHOLS — PYQS

Max. Marks: 8

Questions: 2

### Section A (MCQ)

**Q.1** 3,3-Dimethyl-2-butanol cannot be prepared by :

- A. 
- B. 
- C. 
- D. 
- E. 

Choose the correct answer from the options given below :

[JEE Main 2026 (Online) 22nd January Evening Shift]

- (1) B and E Only                      (2) B, C and E Only  
(3) B and C Only                    (4) B Only

Scan or tap for the  
full solution



**Q.2** An organic compound (X) with molecular formula  $C_3H_6O$  is not readily oxidised. On reduction it gives  $C_3H_8O$  (Y) which reacts with HBr to give a bromide (Z) which is converted to Grignard reagent. This Grignard reagent on reaction with (X) followed by hydrolysis gives 2,3-dimethylbutan-2-ol. Compounds (X), (Y) and (Z) respectively are:

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

- (1)  $CH_3CH_2CHO$ ,  $CH_3CH_2CH_2OH$ ,  $CH_3CH_2CH_2Br$   
(2)  $CH_3COCH_3$ ,  $CH_3CH(OH)CH_3$ ,  $CH_3CH(Br)CH_3$   
(3)  $CH_3COCH_3$ ,  $CH_3CH_2CH_2OH$ ,  $CH_3CH(Br)CH_3$   
(4)  $CH_3CH_2CHO$ ,  $CH_3CH=CH_2$ ,  $CH_3CH(Br)CH_3$

Scan or tap for the  
full solution



### ANSWER KEY

| Ques. | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Ans.  | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |