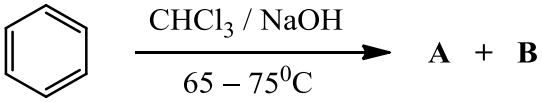
SOVARANI MEMORIAL COLLEGE
INTERNAL EXAMINATION - 2022
PAPER: CEMG-CC4 / GE 4-TH (SEM – IV)

Full Marks – 10. **Time – 30 min**

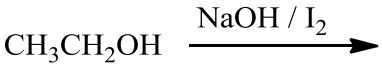
Answer any five **(2 x 5 = 10)**

1. How will you prepare ethanol by taking a suitable aldehyde and Grignard reagent?

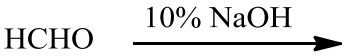
2. Predict the major and minor product for the following transformation.



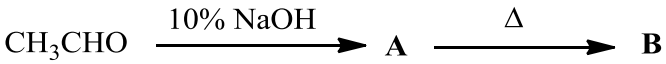
3. Predict the product/s for the following reaction



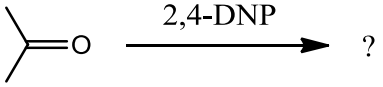
4. Predict the products with mechanism and also mention the name of the reaction.



5. Identify the products A and B with mechanism and also mention the name of the reaction.



6. Identify the product from the following reaction and draw the structure of the product.



7. Define zwitterion and isoelectric point.

8. Site one example for each— a) weak field ligand b) strong field ligand