

2021
CHEMISTRY HONOURS
Practical examination
Paper - CC-2-3-P
SEMESTER - 2

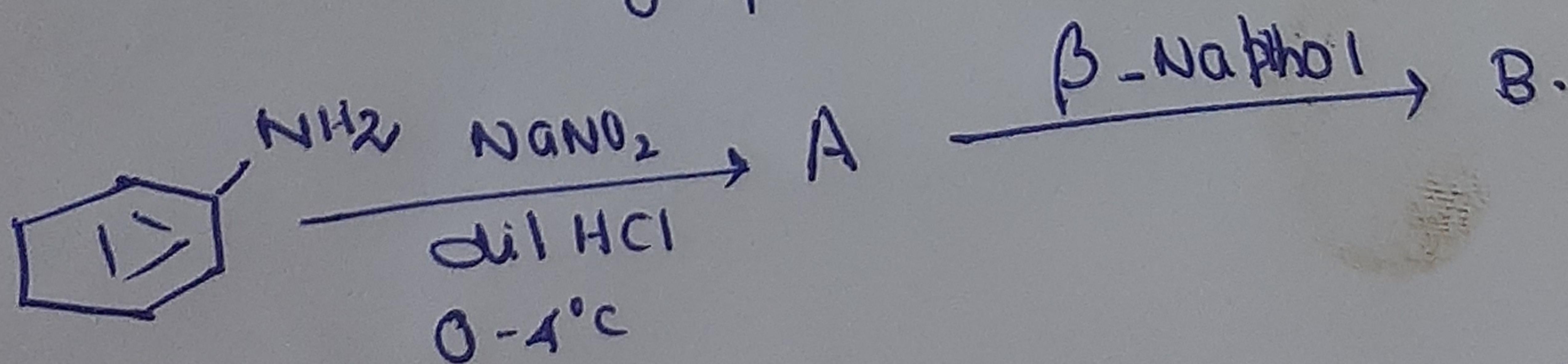
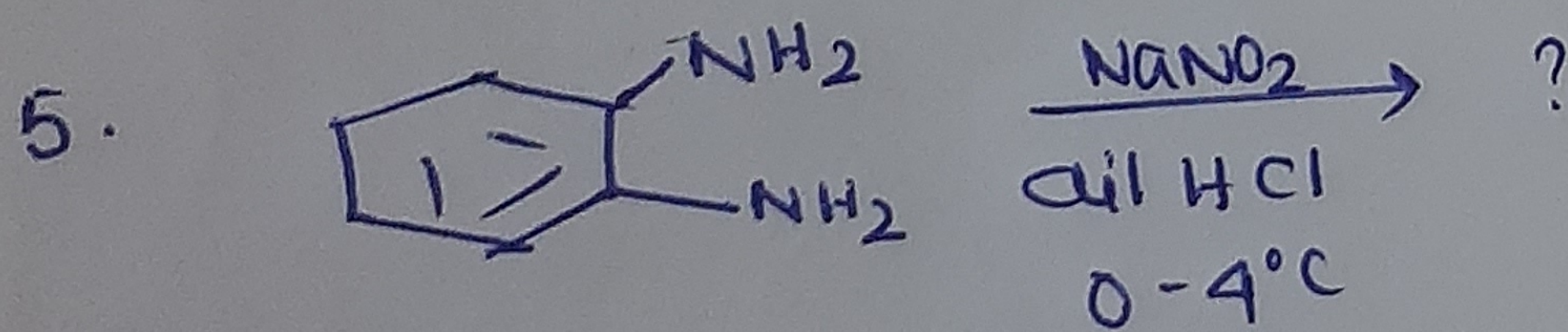
F.M = 30

1. Give the probable mechanism of Nitration reaction of Benzene. What is the role of conc H_2SO_4 in the Nitration reaction. 3+3=6.

2. What is the σ -complex & π -complex in electrophilic substitution reaction. How will you prepare TNT using nitration reaction. 3+3=6

3. What is the condensation reaction? Give an example. Give the mechanism of hydrolysis of amides. 3+3=6

4. What is the role of conc H_2SO_4 in hydrolysis of an ester? Give the mechanism of BAc^2 reaction. 3+3=6



Why diazo coupling reaction occurs at low temperature 2+2+2=6