

Q.2 : Very short answer type Question. 2

- i) What are ketones?
- ii) Write the definition and general formula of aliphatic aldehyde.

Section (B)

: Answer the following questions. (Any Three) 6

Q.3 : How will you obtain benzaldehyde from benzene?

Q.4 : Give the preparation method of benzaldehyde from benzoyl chloride.

Q.5 : Give the methods for preparation of adipic acid from cyclohexene.

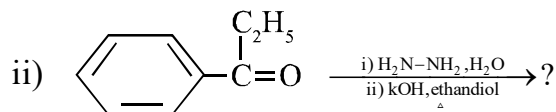
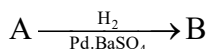
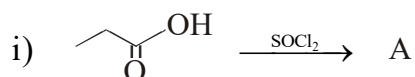
Q.6 : Explain Etard reaction with its example.

Section (C)

: Answer the following question. (Any One) 3

Q.7 : What are Cross-Aldol Condensation reactions? Give the mechanistic path.

Q.8 : Complete the given reaction.



Section (D)

: Answer the following question. (Any One) 4

Q.9 : Write a short note on Cannizzaro reaction and cross Cannizzaro reaction.

Q.10: Give the preparation method of m-nitro acetophenone from benzene molecule.

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