

SHIVAJI COLLEGE, UNIVERSITY OF DELHI

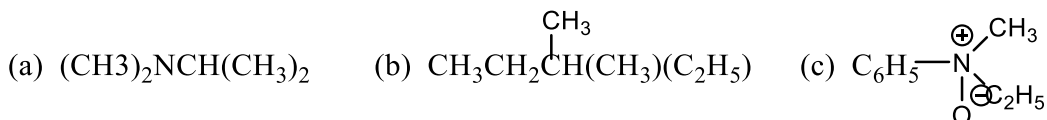
DEPARTMENT OF CHEMISTRY

INTERNAL TEST (Academic Year 2023-24)

Name of the Course : B.Sc (Life Science) Semester: IV
Name of the Paper : DSC: Chemistry of Carboxylic Acids & their Derivatives, Amines and Heterocycles
Faculty Name : Dr Reeta
Duration : 1 Hour Maximum Marks: 08 Marks
Date of Test : 19.04.2024

Attempt any Four question out of Eight. Each question carries 2 marks.

1. How can Hinsberg test be used to distinguish 1°, 2°, and 3° amines?
2. Names and classify the following amines :



3. Account of this :
Aniline is a weaker base than ethylamine.
4. Why tertiary amines with three different groups to nitrogen atoms do not show optical activity?
5. Write the reaction involved when furan treated with maleic anhydride and name the reaction.
6. How do you synthesis 2,5-dimethyl pyrrole using Paal-Knorr synthesis.
7. Arrange pyrrole, thiophene and furan in decreasing order of their aromaticity. Justify your answer.
8. Explain Chichibabin reaction with suitable example.

Faculty Signature:

