

Shivaji College, University of Delhi
Department of Chemistry
Class Test
(Academic Year 2023-24)

Date: 4/12/23

Name of Course: B.Sc. (H) Chemistry
Name of Paper Organic Chemistry-IV Biomolecules
Semester: V
Time : 1hr
Max Marks:10

Instructions

1. Attempt any four questions.
2. All questions carry equal marks.
3. Explain the effect of substrate concentration on enzyme activity?
4. Give the reactions involved in Killiani Fischer synthesis with D-Arabinose.
5. The sequence ACCTGC (reading in the 5'-3' direction) appears on a portion of one strand of DNA. What is the corresponding sequence on the complementary strand of DNA double helix? Show the polarity of this complementary strand.
6. Give the preparation of dipeptide Gly-Ala.
7. What is the fate of pyruvate in alcoholic fermentation?

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