B.Sc. Life Sciences
Semester II
Genetics and Molecular Biology (Botany)
Internal Assessment**:** Assignment
Max. marks**: 8**
Submission deadline: April 16, 2024
Name of teacher: Dr. Deepshikha Chatterjee

Q1. Discuss chromosomal theory of inheritance. (2 marks)
Q2. Define multiple allelism and describe with one example. (2marks)
Q3. Write short note on polygenic inheritance. (2 marks)
Q4. Differentiate between incomplete dominance and codominance with examples. (2 marks)

B.Sc. (hons.) Botany
Semester VI
Industrial and Environmental Microbiology
Internal Assessment**:** Assignment
Max. marks**: 10**
Submission deadline: April 23, 2024
Name of teacher: Dr. Deepshikha Chatterjee

Q1. Discuss any two methods of enzyme immobilization. (2 marks)
Q2. Who coined the term antibiotic. (1 mark)
Q3. Differentiate between solvent extraction and ultrafiltration. (2 marks)
Q4. Briefly enumerate steps of industrial ethanol fermentation process. (2 marks)
Q5. Briefly describe physical methods of cell disruption. (2 marks)
Q6. What is corn steep liquor and where is it used. (1 mark)

SCIENCE & SOCIETY (VAC)

SEM IV

CE: <u>Theory Examination</u> (4 marks)

(Attempt any one question)

Q1. Write short notes of on - (4 marks)

    a) Water Harvesting

          (or)

    b) Global Warming

          (or)

    c) Artificial Intelligence (AI)