

FACULTY OF SCIENCE
B.Sc. (CBCS) I-Year (II-Semester) Regular Examinations, August-2023
Biotechnology-II
(Biological Chemistry & Microbiology)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5 = 20 Marks)

Answer any Four questions from the following

1. Glycogen.
2. ATP Synthase.
3. Cyanobacteria.
4. Pure culture.
5. ZDNA.
6. FADH.
7. Edward Jenner.
8. Heterotrophs.

SECTION-B

(4x15 = 60 Marks)

Answer all the following questions

9. (a) Write about a Nucleic Acid Structure.
(OR)
(b) Explain the classification and nomenclature of enzymes.
10. (a) Write in detail about Electron transport chain complexes.
(OR)
(b) Describe the beta oxidation of fatty acids.
11. (a) Discuss the general characters and structure of bacteria.
(OR)
(b) Write an account on Hepatitis disease symptoms and available treatment methods.
12. (a) Give a detail account on sterilization methods.
(OR)
(b) Write an essay on factors affecting bacterial growth.