

FACULTY OF SCIENCE  
B.Sc. (CBCS) I-Year (II-Semester) Regular Examinations, August-2023  
Microbiology-II  
(Microbial Diversity)

Time: 3 Hours

Max Marks: 80

**SECTION-A**

(4x5=20 Marks)

Answer any Four questions from the following

1. Genetic Diversity.
2. Mycoplasma.
3. Plasmodium.
4. Synergism.
5. Extremophiles.
6. Haeckel's Classification.
7. Bacillariophyta.
8. GPCA.

**SECTION-B**

(4x15=60 Marks)

Answer all the following questions

9. (a) Write about differences between Prokaryotes and Eukaryotes.  
(OR)  
(b) Write about the "Carl Woese System" of classification.
10. (a) Write about general characteristics of Eubacteria.  
(OR)  
(b) Write about general characteristics of "Cyanobacteria".
11. (a) Write brief note on general characteristics of "Protozoa".  
(OR)  
(b) Write about Structural, Physiological and metabolic characteristics of Algae.
12. (a) Write about Microbial Positive Interactions: Symbiosis.  
(OR)  
(b) Write a detailed note on "Human Microbiome".