



The University of Burdwan
B. Sc. Semester-III Examinations-2020
Subject- Biotechnology
Paper- CC-6 (General Microbiology) (Theory)

Full Marks: 40

Time- 2 hrs.

Answer *any eight* questions from the following

5 x 8 = 40

1. What are coliform and non-coliform bacteria? Write at least two examples for each. 5
2. Why it is important to preserve microorganisms? Discuss any one long term preservation method. 5
3. Write a short note on antifungal agents. 5
4. Discuss Molecular approaches that are used for microbial (mainly bacteria) taxonomy. 5
5. Write a short note on transduction. 5
6. Write definitions (with example if necessary): Binary fission, Fermented food, Mould and Chemotherapeutic agent. 5
7. Classify microorganisms on the basis of oxygen requirements, giving suitable example for each. 5
8. What are Algae, Fungi and Protozoa? Write with at least two examples for each. 5
9. Name different factors affecting growth of bacteria. How can you measure growth of bacteria? 5
10. Write the importance of microorganisms in food. 5