

FACULTY OF SCIENCE

B.Sc. (CBCS) II-Year (III-Semester) Regular Examinations, Dec-2022/Jan-2023

Microbiology-III

(Food and Environmental Microbiology)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Prebiotics.
2. Food safety issues.
3. Food borne illness.
4. Importance of microorganisms in air.
5. Nitrogen cycle.
6. Cheese production.

SECTION-B

(4x15=60 Marks)

Answer all the following questions

7. (a) Give a detailed account on health benefits of fermented foods and significance.
(OR)
(b) Define Probiotics? Describe in detail about the probiotics with suitable examples and applications.
8. (a) Explain about Food intoxication with suitable examples.
(OR)
(b) Explain in detail about the methods used for preservation of foods.
9. (a) Mention an essay on different methods of sewage treatment.
(OR)
(b) Write in detail about sanitary quality of water methods.
10. (a) Discuss about various types of microbial interactions with suitable examples.
(OR)
(b) Mention an account on microbial degradation of organic pollutants.