

5. (a) Discuss Fecal coliform bacteria analysis in drinking water.
(b) Describe important airborne toxins.
6. (a) Give a detailed account of public health impact of raw sewage discharge.
(b) Describe the nature of bioaerosols.
7. (a) Discuss in detail characterisation of an ideal antimicrobial chemical agent.
(b) Describe major groups of antimicrobial agents.
8. (a) Give a detailed account of Control of Microorganisms by Physical agents.
(b) Describe the control of microorganisms by chemical means.

Exam. Code : 210002
Subject Code : 4917

M.Sc. Botany 2nd Semester
GENERAL MICROBIOLOGY
Paper: BOTC-523

Time Allowed—2 Hours] [Maximum Marks—50

Note :— There are **eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. (a) Discuss in detail Nutrition of bacteria.
(b) Describe extracellular enzymes of pathogenetic bacteria.
(c) Give sterilization methods for culture media.
2. (a) Give a detailed account of various methods of reproduction in bacteria.
(b) Describe the process of micrometry.
3. (a) Discuss in detail nomenclature and classification of plant viruses.
(b) Describe Viroids and origin of viruses.
(c) Give morphology and nature of virus particles.
4. (a) Give a detailed account of Encephalitis.
(b) Discuss RABIES.