


RAN-2403000501016003
F.Y.B.Sc. (Sem. I) Examination March - 2026
Microbiology - MB-MJ- 101: Fundamentals of Microbiology
Time: 1.30 Hours]
[Total Marks: 38

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) Figures to the right indicate full marks of the question. (3) Draw neat and labelled diagrams whenever necessary.	Seat No.: <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> Student's Signature						

- Q.1. Give Specific answers (Any Eight): (08)**
- Enlist any two characteristics of fungi.
 - Who is considered as the Father of Bacteriology?
 - Define- Immunology.
 - What is the major role of Public Health Microbiology?
 - Name any two methods used to obtain pure culture in microbiology.
 - The science of study of algae is known as _____.
 - Give two example of animal viruses.
 - What is spontaneous generation?
 - Name any two groups of Archaeobacteria.
- Q.2. Explain any two of the following: (10)**
- Elaborate on Whittaker's five-kingdom concept.
 - Discuss the differences between Prokaryotic cells and Eukaryotic cells.
 - Write a detailed note on Bacteria and Fungi.
- Q.3. Explain any two of the following: (10)**
- Explain the Germ Theory of disease.
 - Discuss Louis Pasteur and final blow to spontaneous generation controversy.
 - Write a note on Food microbiology.
- Q.4. Explain any two of the following: (10)**
- Explain the birth of modern chemotherapy.
 - Write a note on Pure Culture technique.
 - Discuss the development in the field of agriculture microbiology