



RAN-2303080401010003

M.Sc. (Sem.-I) Examination November - 2025

Botany : Fundamental Microbiology

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Sketch neat and labelled diagram wherever necessary
- (3) Figures to the right indicate full marks of the question.

Seat No.:

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Student's Signature

- Q.1.** Explain transmission of plant viruses with vector relationships. **16**
- Q.2.** Attempt any two of the following. **18**
- (I) Structure and economic importance of virus.
 - (II) Growth curve of Bacteria.
 - (III) Disease cycle of Bacterial Blight of Paddy.
- Q.3.** Attempt any two of the following. **18**
- (I) History and classification of plant viruses.
 - (II) Ultra structure of cell wall and asexual reproduction in bacteria.
 - (III) Disease cycle of Tomato bunchy top.
- Q.4.** Attempt any two of the following. **18**
- (I) Bacteriophage
 - (II) TMV.
 - (III) Economic and industrial importance of Bacteria.