

**2103000204026002**  
**EXAMINATION APRIL 2025**  
**BACHELOR OF SCIENCE (FOURTH SEMESTER)**  
**MICROBIOLOGY-IX (MB-402-MYCOLOGY PHYCOLOGY**  
**AND PROTOZOOLOGY)**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **BACHELOR OF SCIENCE (FOURTH SEMESTER)**
- b. Name of the Subject : **MICROBIOLOGY-IX (MB-402-MYCOLOGY PHYCOLOGY AND PROTOZOOLOGY)**
- c. Subject Code No : **2103000204026002**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Give Specific answers**

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- a. Enlist the parts of the thallus of mold?
- b. Write two examples of asexual spores of fungi.
- c. What is *Microsporidia*?
- d. Define: Basidiomycota
- e. Define: Phytoplankton and zooplankton.
- f. What is endophytic algae?
- g. Define: Ectocommensalism.
- h. What are Pseudopodia?

**Q.2 Explain/comment on any two of the following**

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- a. Explain importance of fungi.
- b. Give a detailed account life cycle of yeast in *Ascomycota*.
- c. Comment on algae can reproduce sexually or asexually.

**Q.3 Discuss any two of the following.**

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- a. Discuss in brief cytoplasm and nucleus of protozoa.
- b. Discuss in brief: Algae as food.
- c. Discuss in brief cultivation of fungi.

**Q.4 Write short notes on any two of the following**

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- a. Ecology of Protozoa.
- b. Class: *Glomeromycota*.
- c. Morphology of fungi

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