



RAN - 2003001104020001

**RAN-2003001104020001**

**B.Sc. Biotechnology (Sem. IV) Examination April - 2025**

**BT - 08 Fundamentals of Mycology**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**B.Sc. Biotechnology (Sem. IV)**

Name of the Subject :

**BT - 08 Fundamentals of Mycology**

Subject Code No.: **2003001104020001**

Seat No.:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Student's Signature

- Q1. Write answers (Any Four): 8**
- What are crown eukaryotes?
  - Define dimorphic fungi.
  - Principal methods for preventing the spread of fungal pathogen.
  - Write down examples of mycotoxins.
  - Another name of collar flagellates.
- Q2. Attempt Any Two: 14**
- Phylum: Zygomycota
  - Explain in detail about the nutrient translocating organs in fungi.
  - Elaborate on yeast-mould dimorphism.
- Q3. Explain in detail Any Two: 14**
- Note on Sclerotia.
  - Detailed note on: fungicides used to control plant diseases.
  - Describe fungal pathogens of humans.
- Q4. Attempt Any Two of the following: 14**
- Describe the parasitic and symbiotic fungal association with an example.
  - What is Thallus? Write a note on types of Fungal thalli with examples of each.
  - Explain life cycle of yeast with diagram.