

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Mycology and Phycology

Subject Code : 5SC01MAP1

Branch: M.Sc. (Microbiology)

Semester: 1

Date: 04/01/2023

Time: 11:00 To 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

SECTION – I

- Q-1 Attempt the Following questions (07)**
- a. What are Lichens? **01**
 - b. What is Eucarpic Thallus? **01**
 - c. Which fungus is responsible for mucormycosis? **01**
 - d. What do you understand by photoautotrophic algae? **01**
 - e. Give the name of female Gamatophytes. **01**
 - f. What do you mean by heterothallism. **01**
 - g. Give the name of fungal sex hormones. **01**
- Q-2 Attempt all questions (14)**
- A** Give the algal classification based on occurrence. **07**
 - B** Give the short note on Eutrophication. **07**
- OR**
- Q-2 Attempt all questions (14)**
- A** Write short note on lichens and their application. **07**
 - B** Give the details about habitat, location and reproduction in *Saccharomyces serevacie*. **07**
- Q-3 Attempt all questions (14)**
- A** Give the details note on Basidiomycetes. **07**
 - B** Write down application of algae in environment and agriculture. **07**
- OR**
- Q-3 Give the detail about Reproduction in fungi. 14**



SECTION – II

- Q-4** **Attempt the Following questions** **(07)**
- a. Give the name of cellulose degrading fungi. **01**
 - b. What do you understand by hypoxic zones? **01**
 - c. Write down example of medical product by using algae. **01**
 - d. Write full form of VAM. **01**
 - e. What is holocarpic Thallus? **01**
 - f. Give the name of fungus belong to zygomycetes. **01**
 - g. What is Ectomycorrhiza? **01**
- Q-5** **Write notes on:** **(14)**
- A** Vegetative reproduction in algae. **07**
 - B** Roles of fungi in Biodeterioration. **07**
- OR**
- Q-5** Write details note on Mycorrhiza and its classification. **14**
- Q-6** **Attempt all questions** **(14)**
- A** Give the detail on ascomycetes. **07**
 - B** Give the short note on algal classification based of nutritional characteristics. **07**
- OR**
- Q-6** **Attempt all Questions**
- A** Write details note on quorum sensing in fungi. **07**
 - B** Gives the details about fungi and its interaction with ecosystem. **07**

