- 1. All questions are compulsory.
- 2. All questions carry equal marks.
- 3. Draw neat, labelled diagrams wherever necessary.

SEMESTER I

Q1. A. Choose the correct option & rewrite the statements:			(10 Marks)
1. In Spirogyra, Vegetative reproduction takes place by			method.
a. Binary fission	b. Spore formation	c. Fragmentation	d. Budding
2. Nostoc belongs to Cl	ass		
a. Cyanophyceae	b. Rhodophyceae	c. Chlorophyceae	d. Phaeophyceae
3. Zoospores are produc			
as			
	b. Akinites	c. Archegonia	d.Antheridia
4. Mucor is a		-	
a. parasitic fungus	b. saprophytic	c. facultative	d. autotrophic
	fungus	saprophytic fungus	Colored to the first terminal of
5. Which of the fungi p	roduces toxins in crop	plants?	
	b. Aspergillus	7	d. Ergot
6. Aspergillosis is recognized in tissue by the presence of			
	b. Pseudohyphae		d. Budding cells
granules	71		8
7. There are number of neck canal cells in the archegonium of Riccia.			
a. One	b. Two		d. Four
8. Sporophyte of Riccia	is on ga	metorhyte.	
		c. Independent	d. Not attached
parasite			
9. There are	types of rhizoids in Ri	iccia.	
a. One		c.Three	d. Four
10. Antherozoids of Ric			
	b. Biflagellate	c.Triflagellate	d.Quadriflagellate
6		8	
Q1 B. Answer the following in one sentence (10 Marks)			
1. What is a Conjugation tube?			
2. How many types of reproduction takes place in Nostoc?			
3. Which class does Rhizopus belong to?			
4. What is the common name of Aspergillus niger?			
5. Rosette arranged of Riccia thallus?			
J. Robesto arranget	of theera mana.	,	
Q2. Answer any TWO	of the following anes	tions	(20 Marks)
1. Give the systematic position of <i>Nostoc</i> with suitable reasons. Add a note on the			
colony structure		oe with suitable reason	is. Fidd a note on the
		nura with suitable reason	one Add a note on its
2. Give the systematic position of <i>Spirogyra</i> with suitable reasons. Add a note on its vegetative reproduction.			
3. Explain the different characteristics of Chlorophyta.			
4. Explain the Economical and Ecological uses of Algae.			
4. Explain the Ecol	nomical and Ecologica.	i uses of Algae.	
O2 Answer any TWO of the following questions			
Q3. Answer any TWO of the following questions			(20 Marks)
 Write useful and harmful activities of fungi. Write in brief, various modes of Nutrition in Fung. 			
Z, wins in bilel,	arious modes of Nulfill	on or rung.	

DURATION - 3 HRS

3. Give in de ails the life cycle of Rhizopus.

SEMESTER I

4. Explain various modes of reproduction of Aspergillus.

Q4. Answer any TWO of the following questions

(20 Marks)

- 1. Explain the internal structure of thallus of Riccia.
- 2. Salient features of class Hepaticae.
- 3. Explain the external structure of thallus of Riccia.
- 4. Explain the alternation of gametophytic and sporophytic generations in Riccia.

Q5. Short Notes (any FOUR)

- 1. Add a note on different types on reproduction takes place in Algae
- 2. Structure of Spirogyra thallus
- 3. Ascocarp
- 4. Systematic position of Aspergillus.
- 5. Sporophyte of Riccia.
- 6. Vegetative reproduction in Riccia.

