

B.N. Bhandarkar College of Science, Thane
F.Y.B.Sc First Semester end Examination, October 2011
Subject: Botany USST101

Duration 2 hrs.		Max Marks-60
N.B.	1) All questions are compulsory.	Marks
	2) Figures to the right indicate full marks.	
	3) Draw neat and labelled diagrams wherever necessary.	
Q.1	a) Explain the process of replication in virus, studied by you.	07
	b) Discuss the ultra structure of bacterial cell	08
	OR	
	b) Describe the process of scalariform conjugation in <i>Zygnema</i> .	08
Q2	a) What are lichens? Discuss the types of lichens according to growth forms.	07
	b) Discuss the applications of fungi in the field of medicines.	08
	OR	
	b) Describe the structure of thallus in <i>Rhizopus</i> .	08
Q 3	a) Describe the internal structure of thallus in <i>Riccia</i> .	07
	b) Describe the structure of mature antheridium in <i>Riccia</i> .	08
	OR	
	b) Describe the structure of sporophyte in <i>Riccia</i>	08
Q.4	a) Answer in ONE sentence :	03
	1) Name the microorganism used in the fermentation of acetic acid.	
	2) Mention two fungal diseases/ disorders affecting human beings.	
	2) Mention the function of rhizoids in <i>Riccia</i> .	
	b) Answer ANY TWO of the following :	
	1) Discuss the uses of alcohol	06
	2) Discuss parasitism as a mode of nutrition in fungi.	06
	3) Describe the external structure of thallus in <i>Riccia</i> .	06

