

SARDAR PATEL UNIVERSITY
Programme: BSC (BOTANY)
Semester: V
Syllabus with effect from: June 2013

Paper Code: US05CBOT07	Total Credit: 2
Title Of Paper: Practical	

	Description in detail	Weighting (%)
1	Spotters as a whole mount (algae): Chlamydomonas, Volvox, Spirogyra, Zygnema, Ulothrix, Oedogonium, Chlocochete, Chara, Enteromorpha, Codium, Batracospermum, Ectocarpus. Ulva, Polysiphonia, Laminaria	
2	Spotters as demonstration and student exercise : Study of morphology of all important fungi, viruses, mycoplasma and bacteria occurring in the state of Gujarat using specimens, charts, Internet and/or photographs. Lactophenol mounting and identification of Phytophthora, Albugo, Rhizopus, Mucor, Penicillium, Claviceps, Puccinia, Ustilago, Alternaria and Cercospora.	
3	Organography of the following bryophytes: Riccia, Marchantia, Anthoceros, Notothyllus, and Funaria.	
4	Anatomical adaptations in hydrophytes, xerophytes, epiphytes.	
5	Understanding the secondary structure of dicot root	
6	Study of ergastic materials and performing histochemical tests.	
7	Study of different lichens and their reproductive structures. Preparation of report on the phytodiversity of college campus.	

Basic Text & Reference Books: -----

