

SARDAR PATEL UNIVERSITY
Programme: BSC (BOTANY)
Semester: VI
Syllabus with effect from: November 2013

Paper Code: US06CBOT01	Total Credit: 3
Title Of Paper: Mycology, Plant Pathology and Lichenology	

Unit	Description in detail	Weighting (%)
1	Mycology Morphology of somatic structure, cell structure, specialized somatic structures, mode of nutrition, fructifications, reproduction, life cycle pattern, spore dissemination, pigments in fungi, homothallism and heterothallism, sex hormones and economic importance	
2	Plant Pathology Introduction, definition and terms: Wart of potato, Downy mildew of pea and grape, Peach leaf curl, Powdery mildew, ergot, stipe rust, Loose smut of wheat, Brown spot of rice.	
3	Plant Pathology Covered smut of barley, bunt of wheat, red rot of sugar cane, Nigrospora of rice, Stem rot of ground nut, Wilt of pigeon pea, Stem rot of jute, Club root of crucifers, Little leaf of brinjal, Tobacco mosaic virus, Panama disease.	
4	Lichenology History of Lichenology, relationship between components of lichen thallus, distribution, habit and habitat, economic importance, nature of lichen thallus, specialized structure in lichen, reproduction, types of lichen, fossil lichens, origin of lichen, classification of lichens.	

Basic Text & Reference Books:

- College botany, Gangulee and Kar
- Fungi: B. R. Vashishtha
- Plant pathology: Mehrotra and Agrawal

