

SARDAR PATEL UNIVERSITY
Programme: BSC (BOTANY)
Semester: III
Syllabus with effect from: June 2012

Paper Code: US03CBOT01	Total Credit: 3
Title Of Paper: Lower Cryptogams and Plant Pathology	

Unit	Description in detail	Weighting (%)
1	Algae: Classification, Distribution, Morphology and Life cycle of : Scytonema, Gloeotrichia, Rivularia, Cladophora, Vaucheria, Polysiphonia, Sargassum, Economic importance of algae.	
2	Mycology: Classification, Distribution, Morphology and Life history of: Albugo, Pythium, Peronospora, Saprolegnia, Mycorrhizae. Economic importance of Fungi	
3	Mycology: Classification, Distribution, Morphology and Life history of: Albugo, Pythium, Peronospora, Saprolegnia, Mycorrhizae Economic importance of Fungi	
4	Principles of Plant Pathology: Concept of plant pathology, Classification of plant diseases, Symptoms of plant diseases, Dissemination of plant diseases, Host parasite interaction. Plant diseases and their control - Early Blight of Potato, Late blight of potato, White rust of Crucifers, Rust of wheat, Tikka disease of Ground nut, Citrus canker	

Basic Text & Reference Books:

- College Botany Vol 2: Gangulee and Kar
- Algae by B. R. Vashistha
- Fungi by B. R. Vashistha
- Plant Pathology by Singh R. S.
- Botany by A. C. Dutta

