

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

<b>Paper Code:</b> US03EBTN02	<b>Total Credit: 2</b>
<b>Title Of Paper:</b> Experimental Botany	

Unit	Description in detail	Weighting (%)
1	Study of life cycle of: Chara, Vaucheria (Mounting and permanent slide/specimen)	
2	Study of life history of: Alternaria, Puccinia (Mounting and permanent slide/specimen)	
3	Morphology, anatomy and reproduction of: Marchantia, Polytrichum and Selaginella.	
4	Types and evolution of stele in Pteridophytes.	
5	Study of Anatomy of Pinus needle with help of specimen and permanent slides.	
6	General Characters, Examples and Economic importance of Labiateae, Rubiaceae. Myrtaceae.	
7	Secondary growth in Dicot stem and root ( Sunflower)	
8	Study of Specimens: Source, Part used and Economic importance of Cereals - Rice and Wheat.	
9	Pulses - Gram and Mung.	
10	Fibers - Cotton, Jute	
11	Oil - Mustard and Ground nut ; Beverages - Tea and Coffee.	
12	Timber - Teak and Sal.	

**Basic Text & Reference Books: -----**

