

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

Paper Code: US05CGEN09	Total Credit: 2
Title Of Paper: Practical	

	Description in detail	Weighting (%)
1	Media preparation (MS medium and Nitsch's medium)	
2	Callus culture	
3	Suspension culture.	
4	Embryo culture	
5	Anther culture	
6	Estimation of proline content in plants under stress.	
7	Calculation of Relative water content in plants under water stress.	
8	Extraction of proteins (TCA method) from plant sample.	
9	Study of chromosomal aberrations using colchicine	
10	Chemical analysis of Urine - reducing sugar, protein, ketone bodies, bilirubin	
11	Determination of serum cholesterol.(Wybinga & Pilleggi method)	

Basic Text & Reference Books: -----

