

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

Paper Code: US06CGEN09	Total Credit: 2
Title Of Paper: Practical	

	Description in detail	Weighting (%)
1	Karyotyping & chromosome banding (G-banding).	
2	Study of mutations –Effect of UV as mutagen.	
3	To study polymorphism in human DNA (through PCR).	
4	Calculation of gene and genotype frequency	
5	Statistical tools for population genetics- variance	
6	Numericals based on Hardy Weinberg Principle.	
7	Seed viability test-tetrazolium salt test	
8	Determination of urine or serum uric acid / creatinine, urea	
9	Determination of blood glucose by GOD/POD method	
10	Pedigree analysis-a case study.	

Basic Text & Reference Books: -----

