

SARDAR PATEL UNIVERSITY
Programme: BSC (GENETICS)
Semester: IV
Syllabus with effect from: November 2012

Paper Code: US04CGEN03	Total Credit: 3
Title Of Paper: Genetics practical	

Unit	Description in detail	Weighting (%)
1	Study of blood groups (A, B, O, Rh).	
2	Problems related to blood group analysis.	
3	Extraction of DNA.	
4	Estimation of DNA.	
5	Extraction of RNA	
6	Estimation& of RNA.	
7	Activity of enzymes - amylase.	
8	Chemical induces mutations on plant species	
9	Measurement of stature, hands and head circumference.	
10	t - test.	
11	F - test.	
12	Correlation, Regression.	
13	Examples on linkage.	
14	Physiological experiments: Oxygen evolution during photosynthesis	
15	Methods of emasculation and crossing.	
16	Field and industrial visit.	

Basic Text & Reference Books: -----

