

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

Paper Code: US05CZOO08	Total Credit: 2
Title Of Paper: Cell Biology and Genetics	

	Description in detail	Weighting (%)
1	Study of mitosis and meiosis by permanent slides.	
2	Study of mitosis by Squash preparation of onion root tip.	
3	Study of meiosis from grass hopper testis.	
4	Mounting of giant chromosomes from chironomous larva.	
5	Vital staining of mitochondria.	
6	Study of different characteristics of drosophila.	
7	SDS PAGE discontinuous gel electrophoresis.	
8	Microtome.[preparation of permanent slide]	
9	Study of human karyotypes.	
10	Genetics problems.	
11	Visit to SICART	

Basic Text & Reference Books:

- Practical zoology invertebrate: P S Verma.
- Practical zoology invertebrate: S S Lal.

