

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

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| Paper Code: US05CBIT07 | Total Credit: 2 |
| Title Of Paper: Practical (Effective from June 2013) (Revised) | |

| | Description in detail | Weighting (%) |
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| 1 | Isolation of DNA from plant & fungi | |
| 2 | Effect of UV as a mutagen on pigment formation in <i>Serratia marcescens</i> . | |
| 3 | Separation of chromosomal and plasmid DNA by agarose gel electrophoresis | |
| 4 | Study of various stages of mitosis and meiosis in plant cells | |
| 5 | Restriction enzyme digestion of chromosomal DNA and plasmid DNA and their electrophoresis. | |
| 6 | Demonstration of Southern blotting. | |

Basic Text & Reference Books: ----

