

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: M.Sc (Bioinformatics)**  
**Semester: III**  
**Syllabus with effect from: June - 2011**

| Course Type | Course Code | Name Of Course                                | Theory/<br>Practical | Credit | Contact<br>Hrs/Week | Exam<br>Duration<br>in hrs | Component of Marks |                   |                   |
|-------------|-------------|---|----------------------|--------|---------------------|----------------------------|--------------------|-------------------|-------------------|
|             |             |   |                      |        |                     |                            | Internal           | External          | Total             |
|             |             |   |                      |        |                     |                            | Total/<br>Passing  | Total/<br>Passing | Total/<br>Passing |
| Core Course | PS03CMBI01  | Genomics & Proteomics                         | Theory               | 4      | 4                   | 3                          | 30                 | 70/28             | 100/40            |
|             | PS03CMBI02  | Computational Structural Biology              | Theory               | 5      | 5                   | 3                          | 30                 | 70/28             | 100/40            |
|             | PS03CMBI03  | Advanced Algorithms in Computing              | Theory               | 4      | 4                   | 3                          | 30                 | 70/28             | 100/40            |
|             | PS03CMBI04  | Graphics and Animation                        | Theory               | 4      | 4                   | 3                          | 30                 | 70/28             | 100/40            |
|             | PS03CMBI05  | Practicals based on PS03CMBI01 and PS03CMBI02 | Practical            | 4      | 4                   | 3                          | 30                 | 70/28             | 100/40            |
|             | PS03CMBI06  | Practicals based on PS03CMBI03 and PS03CMBI04 | Practical            | 4      | 4                   | 3                          | 30                 | 70/28             | 100/40            |

