



**SARDAR PATEL UNIVERSITY**  
**Programme - MSc**  
**(Under the Choice based Credit Scheme)**  
**SEMESTER- III**  
**STRUCTURE WITH EFFECT FROM:2018-19**



**GENETICS**

| Course Type                   | Course Code | Name of Course                    | Theory / Practical | Credit | Contact hrs/ Week | Exam Duration hrs | Component of Marks      |                          |                      |
|-------------------------------|-------------|-----------------------------------|--------------------|--------|-------------------|-------------------|-------------------------|--------------------------|----------------------|
|                               |             |                                   |                    |        |                   |                   | Internal Total/ Passing | External Total / Passing | Total Total/ Passing |
| Core Courses                  | PS03CGEN21  | Genetics of Mammalian Development | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03CGEN22  | Human Molecular Genetics          | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03CGEN23  | Genetics in Crop Improvement      | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03CGEN24  | Practical-I                       | P                  | 4      | 6                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03CGEN25  | Practical-II                      | P                  | 4      | 6                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03CGEN26  | Comprehensive Viva-Voce           | P                  | 1      |                   |                   |                         | 50 / 20                  | 50 / 20              |
| Elective Courses<br>(Any One) | PS03EGEN21  | Advanced Immunology               | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03EGEN22  | Bioinformatics                    | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |
|                               | PS03EGEN23  | Omics and Computational Biology   | T                  | 4      | 4                 | 3                 | 30 / 10                 | 70 / 28                  | 100 / 40             |