

| B.Sc. (H) Botany<br>Three Year Course of Study (2017-2020) |        |  | Credits |            |          |            |
|--|--------|--|---------|------------|----------|------------|
|  |        |  | Theory  | Practicals | Tutorial | Total      |
| <b>Semester I</b>  |        |  |         |            |          |            |
| <b>Core Course</b>   | C1     | Microbiology and Phycology   | 4       | 2          |          | 6          |
|  | C2     | Biomolecules and Cell Biology                                      | 4       | 2          |          | 6          |
|  | AECC 1 | Environmental Studies (EVS)  | 4       |            |          | 4          |
| <b>GE</b>  | GE 1   | Chemistry I – Atomic Structure, Bonding; General Organic Chemistry | 4       | 2          |          | 6          |
| <b>Semester II</b>   |        |  |         |            |          |            |
| <b>Core Course</b>   | C3     | Mycology and Phytopathology  | 4       | 2          |          | 6          |
|  | C4     | Archegoniatae  | 4       | 2          |          | 6          |
|  | AECC 2 | English/Hindi/Sanskrit/ MIL/Philosophy in Lieu                     | 4       |            |          | 4          |
| <b>GE</b>  | GE 2   | Chemistry II – Molecules of Life                                   | 4       | 2          |          | 6          |
| <b>Semester III</b>  |        |  |         |            |          |            |
| <b>Core Course</b>   | C5     | Anatomy of Angiosperms   | 4       | 2          |          | 6          |
|  | C6     | Economic Botany  | 4       | 2          |          | 6          |
|  | C7     | Genetics   | 4       | 2          |          | 6          |
| <b>GE</b>  | GE 3   | Zoology I – Food, Nutrition and Health                             | 4       | 2          |          | 6          |
| <b>SEC</b>   | SEC 1  | Intellectual Property Rights                                       | 2       | 2          |          | 4          |
| <b>Semester IV</b>   |        |  |         |            |          |            |
| <b>Core Course</b>   | C8     | Molecular Biology  | 4       | 2          |          | 6          |
|  | C9     | Ecology  | 4       | 2          |          | 6          |
|  | C10    | Plant Systematics  | 4       | 2          |          | 6          |
| <b>GE</b>  | GE 4   | Zoology II – Animal Cell Biotechnology                             | 4       | 2          |          | 6          |
| <b>SEC</b>   | SEC 2  | Biofertilizers   | 2       | 2          |          | 4          |
| <b>Semester V</b>  |        |  |         |            |          |            |
| <b>Core Course</b>   | C11    | Reproductive Biology of Angiosperms                                | 4       | 2          |          | 6          |
|  | C12    | Plant Physiology   | 4       | 2          |          | 6          |
| <b>DSE</b>   | DSE 1  | Analytical Techniques in Plant Sciences                            | 4       | 2          |          | 6          |
|  | DSE 2  | Biostatistics  | 4       | 2          |          | 6          |
| <b>Semester VI</b>   |        |  |         |            |          |            |
| <b>Core Course</b>   | C13    | Plant Metabolism   | 4       | 2          |          | 6          |
|  | C14    | Plant Biotechnology  | 4       | 2          |          | 6          |
| <b>DSE</b>   | DSE 3  | Industrial and Environmental Microbiology                          | 4       | 2          |          | 6          |
|  | DSE 4  | Bioinformatics   | 4       | 2          |          | 6          |
| <b>TOTAL</b>   |        |  |         |            |          | <b>148</b> |

**Note:** The College reserves the right to change the papers offered as options, as well as the number of options offered in any semester, within the prescribed syllabus of the University of Delhi.