

**PROGRAM offered By Department of Botany  
(2025-2026) Even Semester  
B.Sc. Botany Hons (H) & B.Sc. Life Sciences (LS)**

|                                               |   | <b>Botany Hons – IA Distribution for Academic Session (2025-26) Odd Semester</b>  |
|-----------------------------------------------|---|-----------------------------------------------------------------------------------|
| <b>SEMESTER</b>                               |   | <b>PAPER</b>                                                                      |
| <b>B. SC. (HONS.) BOTANY SEM-I (CBCS-NEP)</b> |   |                                                                                   |
| <b>H Semester I</b>                           | 1 | DSC-4 Microbiology and Plant-Microbe Interactions (2162011201)                    |
|                                               | 2 | DSC-5 Plant Resources and Economic Botany (2162011202)                            |
|                                               | 3 | DSC-6 Plant Systematics (2162011203)                                              |
|                                               | 4 | GE-II Plant Diversity and Human Welfare (2164001001)                              |
|                                               | 5 | SEC-II Green belt development for smart cities (21660000006)                      |
| <b>LS Semester II</b>                         | 6 | DSC BOT-II Genetics & Molecular Biology (2162521201)                              |
| <b>H Semester IV</b>                          | 1 | DSC-10 Mycology (2162012401)                                                      |
|                                               | 2 | DSC-11 Ecology and Conservation (2162012402)                                      |
|                                               | 3 | DSC-12 Developmental Biology of Angiosperm: Form, Anatomy & Function (2162012403) |
|                                               | 4 | SEC-II Mushroom Culture Technology II (2166005001)                                |
|                                               | 5 | DSE Industrial and Environmental Microbiology (2163012004)                        |
| <b>LS Semester IV</b>                         |   | DSC BOT-IV Ecology& Evolution (2162512401)                                        |
|                                               |   |                                                                                   |
| <b>Semester VI</b>                            | 1 | DSC-16 Plant Biotechnology (2162103601)                                           |
|                                               | 2 | DSC-17 Plant Biochemistry and Metabolism (2162103602)                             |

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|                      | <b>3</b> | DSC-18 Advanced tools and analytical Techniques in Plant Biology (2162103603) |
|                      | <b>4</b> | GE-VI Environmental monitoring & Restoration (2164002007)                     |
|                      | <b>5</b> | DSE Research Methodology (2163010009)                                         |
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|                      | <b>6</b> | SEC-VI Hydroponics & Aeroponics (2166000003)                                  |
|                      |          |                                                                               |
| <b>LS Semester V</b> |          | DSC BOT-VI Economic Botany & Biotechnology (2162523601)                       |
| <b>Sub Total</b>     |          |                                                                               |
| <b>Semester VII</b>  |          | <b>B. SC. (HONS.) BOTANY SEM-VII <u>CBCS-NEP</u></b>                          |
|                      | <b>1</b> | BOT HONS DSC- Integrative Plant Biology                                       |
|                      | <b>2</b> | LS DSC- Integrative Plant Biology                                             |
|                      | <b>3</b> | DSE-Plant Stress Biology                                                      |
|                      | <b>4</b> | DSE- Advances in Genetics, Genomics and Plant Breeding                        |
|                      | <b>5</b> | DSE- Immunological Concepts and Applications in Plant Science                 |
|                      | <b>6</b> | DSE- Plant Genomics, Proteomics and Bioinformatics                            |
|                      | <b>7</b> | SBC-Analytical Techniques in Plant Biology                                    |
|                      |          | EVS                                                                           |
|                      |          |                                                                               |

