

Department:- Botany

| Sr. No. | Course | Course Code | Level | Syllabi | Weightage | No. of classes/week | Course specific outcome | Program specific outcome |
|---------|---|-------------|-------|--------------------------------|-----------|---------------------|---|--|
| 1 | Diversity of viruses, bacteria and fungi | B-101 | U.G. | View Documents | 50 | 02 | After completion of the course the students is able to understand the nature and structure behaviour of Bacteria Viruses. | After completing UG Programme (TDC) in Botany students are able to understand nature of plants their relation with Human being and advance technique in field of bio-technology. |
| 2 | Diversity of Algae, Lichens and Bryophyte | B-102 | U.G. | | 50 | 02 | After Completion of the course the students will have an elementary idea of the structure reproduction of primitive Algae, Lichens and Bryophyte. | |
| 3 | Diversity of Pteridophyte and Gymnosperm | B-103 | U.G. | | 50 | 02 | After Completion of the course the students will able to understand the nature structure and reproduction of Pteridophyte and Gymnosperm. | |
| 4 | Practical | P-401 | U.G. | | 50 | 08 | Students will have practical knowledge of plants (Angiosperms and Gymnosperm | |

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| | | | | | | Bacteria). | |
| 5 | Diversity of Angiosperms systematic development and reproduction | B-201 | U.G. | | 50 | 02 | After Completion of the course the students will able to understand the Phyllotaxy, arrangement of flowers and internal structure of plant. |
| 6 | Cytology, Genetics, evolution and Ecology | B-202 | U.G. | | 50 | 02 | After Completion of the course the students will have basic understanding of concept of DNA and Chromosomes. Also study the Evolution and environment. |
| 7 | Plant Physiology | B-203 | U.G. | | 50 | 02 | After Completion of the course the students will be understand how to plant respire and how photosynthesis and transpiration take place and functioning of plant. |
| 8 | Practical | P-501 | U.G. | | 50 | 08 | Students will have practical knowledge how to collect plants and prepare Herbarium. |
| 9 | Plant resoruce utilisation, | B-301 | U.G. | | 50 | 02 | After Completion of the course the students will |

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| | Palynology, Plant breeding, Plant Pathology and Bio- Statistics | | | | | | have elementary understanding of statical concepts knowledge of usefull ediable part of plants, structure of pollengrain and plant diseases. | |
| 10 | Molecular Biology and Bio-Technology | B-302 | U.G. | | 50 | 02 | After Completion of the course the students will havebasic understanding of concepts of Molecular Biology and Bio-Tecnique and the applications of advances made in the Biological Science. | |
| 11 | Environment Botany | B-303 | U.G. | | 50 | 02 | After Completion of the course the students will able to understand the Physical, Chemical, Biological component and their relation with organism. | |
| 12 | Practical | B-601 | U.G. | | 50 | 08 | Practical knowledge how to prepare medium, knowledge of Tissue culture and sterilization. | |