

# BOTANY

## Semester I

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
BOT 121	Cell and Molecular Biology	60	4	4
BOT 122	Cytology, Genetics and Cytogenetics	60	4	4
BOT 123	Hierarchy of Lower Plants	60	4	4
BOT 124	Microbiology, Fungi and Plant Pathology	60	4	4
BOT 125	Practicals based on BOT 121-124	270	18	9
BOT 126	Seminar	30	2	2
<b>Total Credits for Semester I</b>				<b>27</b>

## Semester II

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
BOT 221	Pteridophytes, Gymnosperms and Palaeobotany	60	4	4
BOT 222	Environmental Science	60	4	4
BOT 223	Plant Physiology & Biochemistry-I	60	4	4
BOT 224	Plant Physiology & Biochemistry-II	60	4	4
BOT 225	Practicals based on BOT 221-224	270	18	9
BOT 226	Seminar	30	2	2
<b>Total Credits for Semester II</b>				<b>27</b>

## Semester III

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
BOT 321	Plant Systematics	60	4	4
BOT 322	Developmental and Reproductive Biology of Angiosperms	60	4	4
BOT 323	Tools and Techniques of Modern Research	60	4	4
BOT 324	Plant Biotechnology and Bioinformatics	60	4	4
BOT 325	Practicals based on BOT 321-324	270	18	9
BOT 326	Seminar	30	2	2
<b>Total Credits for Semester III</b>				<b>27</b>

## Semester IV

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
BOT 421	Elective 1* Advanced Biotechnology Paper I	60	4	4
BOT 422	Elective 1* Advanced Biotechnology Paper II	60	4	4
BOT 423	Practicals* related to BOT 421 and 422	270	18	9
BOT 424	Elective 2* Ethnobotany Paper I	60	4	4
BOT 425	Elective 2* Ethnobotany Paper II	60	4	4
BOT 426	Practicals* related to BOT 424 and 425	270	18	9

BOT 427	Research Project/Dissertation	120	8	8
<b>Total Credits for Semester IV</b>				<b>25</b>
<b>Total Credits</b>				<b>106</b>

\* A student is required to opt for either BOT 421, 422 and 423 papers of Elective 1 or BOT 424, 425 and 426 papers of Elective 2.