



MAHATMA GANDHI CENTRAL UNIVERSITY

(Established by an Act of Parliament)

TempCamp Office, Zila School Campus, Motihari, District: East Champaran, Bihar – 845401

www.mgcub.ac.in

Annexure II

School of Life Sciences

Department of Botany

THIRD BOARD OF STUDIES MEETING OF DEPARTMENT OF BOTANY ON 26TH APRIL 2019

Summary of the Courses including Titles, Course codes and Course Credits

offered by the Department of Botany

Semester	Core Courses	Courses Titles	Courses Code	Particulars	L+T+P	Credits
Semester I	I	Cell and Molecular Biology	BOTY 4101	Theory	3+1+0	4
	II	Cytology, Genetics and Genomics	BOTY 4102	Theory	3+1+0	4
	III	Microbiology and Mycology	BOTY 4103	Theory	3+1+0	4
	IV	Lower Botany	BOTY 4104	Theory	3+1+0	4
	V	Botany Practical I	BOTY 4105	Practical	0+0+4	2
	VI	Botany Practical II	BOTY 4106	Practical	0+0+2	2
				Total		20
Semester II	VII	Developmental and Reproductive Biology	BOTY 4201	Theory	3+1+0	4
	VIII	Systematics and evolution	BOTY 4202	Theory	3+1+0	4
	IX	Plant Physiology and Biochemistry	BOTY 4203	Theory	3+1+0	4
	X	Techniques in Plants Sciences, Biostatistics and bioinformatics	BOTY 4204	Theory	3+1+0	4
	XI	Botany Practical III	BOTY 4205	Practical	0+0+2	2
	XII	Botany Practical IV	BOTY 4206	Practical	0+0+2	2
		Seminar I	BOTY 4207			1
				Total		21
Semester III	XIII	Genetic engineering and Plant biotechnology	BOTY 5301	Theory	3+1+0	4
	XIV	Environment and Ecology	BOTY 5302	Theory	3+1+0	4
	XV	Plant Resources	BOTY 5303	Theory	3+1+0	4

	XVI	Department Specific Elective Courses-I		Theory	3+1+0	4
	XVII	Practical V	BOTY 5304	Practical	0+0+2	2
	XVIII	Practical V	BOTY 5305	Practical	0+0+2	2
		Seminar II	BOTY 5306			1
				Total		21
Semester IV	XIX	Research Methodology	BOTY 5401	Theory	3+1+0	4
	XX	Department Specific Elective Courses-II		Theory	3+1+0	4
	XXI	Practical VI	BOTY 5402	Practical	0+0+2	2
	XXII	Dissertation	BOTY 5403	Practical		12
				Total		22

Total Credits in Semesters (I+II+III+IV)= 84



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Annexure III

School of Life Sciences Department of Botany

THIRD BOARD OF STUDIES MEETING OF DEPARTMENT OF BOTANY ON 26TH APRIL 2019

Summary of the Department Specific Elective Courses Titles, Course codes and Course credits offered by the Department of Botany

Semester	Course Title	Courses Code	Particulars	L+T+P	Credit
Semester III (Department Specific Elective Courses-I)	Plant Biochemistry	BOTY 5351	Theory	3+1+0	4
	Industrial Microbiology	BOTY 5352	Theory	3+1+0	4
	Applied Phycology	BOTY 5353	Theory	3+1+0	4
	Cytogenetics and Plant Breeding	BOTY 5354	Theory	3+1+0	4
Semester IV (Department Specific Elective Courses-II)	Plant Pathology	BOTY 5451	Theory	3+1+0	4
	Agricultural Microbiology	BOTY 5452	Theory	3+1+0	4
	Stress Biology of Cyanobacteria	BOTY 5453	Theory	3+1+0	4
	Genetic Improvement of Crops	BOTY 5454	Theory	3+1+0	4

- Elective number starts with 5 to 9.