



Integral University, Lucknow

Department of Biosciences

Evaluation Scheme of Undergraduate Program as per NEP-2020 Guidelines with double majors

(B.Sc. Botany & Chemistry)

w.e.f. Session 2024-25

CERTIFICATE IN SCIENCE (BOTANY & CHEMISTRY)

Year: First / Semester: First (Odd Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End semester Examination (ESE)	Subject Total	Total Credit Points	Attributes							United Nations Sustainable Development Goals		
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
1	B040101T/BS166	Microbiology & Plant Pathology	Theory	Core	3	1	0	15	10	25	75	100	04	✓		✓							
2	B040102P/BS167	Techniques in Microbiology & Plant Pathology	Practical		0	0	4	15	10	25	75	100	02	✓	✓	✓		✓					
3	B040103V/BS168	Biofertilizer technology	Theory	Vocational	2	0	2	0	0	0	100	100	03	✓	✓	✓							
	B000101V/CH137	Plastic Waste Management												✓	✓	✓		✓					
		NPTEL/ MOOCs/SWAYAM												✓	✓	✓							
4	B020101T/CH151	Fundamentals of Chemistry-I	Theory	Core	3	1	0	15	10	25	75	100	04	✓	✓	✓				✓			
5	B020102P/CH134	Quantitative Analysis	Practical		0	0	4	15	10	25	75	100	02	✓	✓	✓		✓					
6	Z010101T/BE105	Food Nutrition and Hygiene	Theory	Co-curricular Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓			
7	A050101T/HM101	Rashtra Gaurav	Theory	Compulsory	2	0	0	0	0	0	100	100	0	✓	✓	✓		✓	✓	✓			
TOTAL					12	2	10	75	50	125	575	700	17										



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CERTIFICATE IN SCIENCE (BOTANY & CHEMISTRY)

Year: First / Semester: Second (Even Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes							
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
1	B040201T/BS177	Archegoniates & Plant Architecture	Theory	Core	3	1	0	15	10	25	75	100	04	✓		✓					
2	B040202P/BS178	Land Plants Architecture	Practical		0	0	4	15	10	25	75	100	02	✓				✓			
3	ES115	Fundamentals of Environmental Science	Theory	Minor Elective	4	2	0	15	10	25	75	100	06	✓	✓	✓					
4	A040209T/LN109	Basics of Communication	Theory											✓		✓					
5	B050203V/BS179	Apiculture	Theory	Vocational	2	1	0	0	0	0	100	100	03	✓	✓	✓				✓	✓
	B000201V/CH144	Laboratory Safety & Sample Handling	Theory											✓	✓	✓				✓	✓
		NPTEL/MOOCs/ SWAYAM												✓	✓	✓				✓	✓
6	B020201T/CH139	Bioorganic and Materials Chemistry	Theory	Core	3	1	0	15	10	25	75	100	04	✓		✓					
7	B020202P/CH141	Biochemical Analysis	Practical		0	0	4	15	10	25	75	100	02	✓				✓			
8	Z020201T/NS110	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓				✓	✓
9	B100208T/BS116	Artificial Intelligence in Biological Sciences	Theory	Compulsory	0	0	0	0	0	0	0	0	0	✓	✓	✓				✓	✓