



Department of Environmental Science
Evaluation Scheme of Undergraduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2023-24

B.Sc.(H) in Environmental Science

Year: Third / Semester: Fifth (Odd Semester)

B.Sc.(H) in Environmental Science				Year: First / Semester: First (Odd Semester)																			
S. N.	Course Code	Course Title	Theory / Practical 1	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes							United Nations Sustainable Development Goals (SDGs)		
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethic			
Major 1			Theory	Major 1	4	0	4	15	10	25	75	100	06	✓	✓	✓		✓					
1	B150501T/ ES314	Environmental Microbiology and Biotechnology						Practical	15	10	25	75											100
	B150502P/ ES315	Environmental microbiology Lab																					
2	B150503T/ ES316	Introduction to Physical Environment	Theory	4	0	0	15	10	25	75	100	04	✓	✓	✓		✓				  		
Major 2			Theory	Major 2 Anyone 2)	4	2	0	15	10	25	75	100	06	✓	✓	✓		✓				 	
3	B110501T/BS344	Bioenergetics and Metabolism																					Practical
	B110502P/BS246	Metabolism lab																					
4	B110503T/BS345	Plant Biochemistry	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓				 	
5	B150504T/ ES317	Pollution and Human Health	Theory		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓				
6	B150505T/ ES318	Energy and Its management	Theory		4	0	4	15	10	25	75	100	06	✓	✓	✓		✓					
	B150506P/ ES319	Energy Lab	Practical	15				10	25	75	100												
7	B150507R/ ES320	Internship/Apprenticeship (Research Project I)	NTCC	Industry based	3	0	0	0	0	0	0	100	03	✓	✓	✓		✓			  		
8	Z050501	Analytic Ability and Digital Awareness	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02			✓		✓	✓				
TOTAL					20	0	08	120	80	175	600	800	25										



Year: Third / Semester: Sixth (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							United Nations Sustainable Development Goals (SDGs)			
					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				
		Major 1																						
1	B150601T/ ES321	Environmental Legislation and Impact Assessment	Theory	Major 1	4	0	4	15	10	25	75	100	06	✓	✓			✓						
	B150603P/ ES322	Practical on EIA, Biostatistics and Computer Application	Practical					15	10	25	75	100												
2	B150602T/ ES323	Environmental Priorities and Research Tools	Theory			3	1	0	15	10	25	75	100	04	✓	✓	✓		✓					
		Major 2 (anyone)																						
3	B110601T/BS345	Food and Nutritional Biochemistry	Theory	Major 2 (anyone 2)	4	0	4	15	10	25	75	100	06	✓	✓	✓		✓						
	B110602P/BS347	Food and Nutritional Biochemistry Lab	Practical																					
4	B110605T/BS34	Applied Biotechnology	Theory			3	1	0	15	10	25	75	100	04	✓	✓	✓		✓					
5	B150604T/ ES324	Environmental Management Strategies	Theory			3	1	0	15	10	25	75	100	04	✓	✓	✓	✓	✓	✓				
6	B150605T/ ES325	Environmental Monitoring and modelling	Theory		4	0	4	15	10	25	75	100	06	✓	✓	✓		✓						
	B150606P/ ES326	Environmental monitoring Lab	Practical					15	10	25	75	100												
7	B150607R/ ES327	Internship/Apprenticeship (Research Project II)	NTCC		Industry/S kill based	0	0	0	0	0	0	0	100	03	✓	✓	✓		✓					
8	Z060601	Communication Skills and Personality Development	Theory	Co-curricular Compulsory	2	0	0	15	10	25	75	100	02			✓		✓	✓					
TOTAL					19	3	12	120	80	175	600	800	25											