



**DEPARTMENT OF CHEMISTRY**  
**EVALUATION SCHEME OF UG & PG PROGRAM AS PER NEP-2020**  
w.e.f. July, 2022

**Certificate in Science (Physics, Chemistry, Mathematics), 1<sup>st</sup> Year / 1<sup>st</sup> Semester**

S.N.	Course Code	Course Title	(T)Theory (P) Practical	Course Type	Periods per Week			Evaluation Scheme			End Semester	Subject Total	Total Credit	Attributes						United Nations Sustainable Development Goals (SDGs)			
					Lecture	Tutorial	Practicals	Class Test	Teacher Assessment	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Values		Professional Ethics		
1.	B030101T/MT136	Differential Calculus & Integral Calculus	T	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓							
2.	B010101T/PY113	Mathematical Physics & Newtonian Mechanics	T		3	1	0	15	10	25	75	100	04	✓		✓							
3.	B020101T/CH132	Fundamentals of Chemistry	T		3	1	0	15	10	25	75	100	04	✓	✓	✓							
4.	B030102P/MT137	Practical using Mathematica /MATLAB	P		0	0	4	15	10	25	75	100	02	✓		✓							
5.	B010102P/PY114	Mechanical Properties of Matter	P		0	0	4	15	10	25	75	100	02	✓		✓							
6.	B020102P/CH134	Quantitative Analysis	P		0	0	4	15	10	25	75	100	02	✓		✓							
7.	B000101V/CH137	Plastic Waste Management	P+T	Vocational	1	0	2	-	-	-	100	100	03	✓	✓	✓							
8.	Z010101T/BE105	Food, Nutrition and Hygiene	P	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓		✓							
<b>TOTAL</b>					<b>12</b>	<b>03</b>	<b>14</b>	<b>105</b>	<b>70</b>	<b>175</b>	<b>625</b>	<b>800</b>	<b>23</b>										



**DEPARTMENT OF CHEMISTRY**  
**EVALUATION SCHEME OF UG & PG PROGRAM AS PER NEP-2020**  
 w.e.f. July, 2022

**Certificate in Science (Physics, Chemistry, Mathematics), 1<sup>st</sup> Year / 2<sup>nd</sup> Semester**

S.N.	Course Code	Course Title	(T)Theory (P) Practical	Course Type	Periods per Week			Evaluation Scheme			End Semester	Subject Total	Total Credit	Attributes						United Nations Sustainable Development Goals (SDGs)				
					Lecture	Tutorial	Practicals	Class Test	Teacher Assessment	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Values		Professional Ethics			
1.	B030201T/MT138	Matrices and Differential Equations & Geometry	T	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓		✓								
2.	B020201T/PY115	Thermal Physics & Semiconductor Devices	T		3	1	0	15	10	25	75	100	04	✓										
3.	B020201T/CH139	Bioorganic and Materials Chemistry	T		3	1	0	15	10	25	75	100	04	✓	✓	✓		✓						
4.	B010202P/PY116	Thermal Properties of Matter & Electronic Circuits	P		0	0	4	15	10	25	75	100	02	✓		✓								
5.	B020202P/CH141	Biochemical Analysis	P		0	0	4	15	10	25	75	100	02	✓		✓		✓						
6.	B150101T/ES125/ A040209T/LN109	Basics of Environmental Science/ Basics of Communication	P	Minor (Elective)	3	1	0	15	10	25	75	100	04	✓		✓					✓		  	
7.	I030202V/MT144/ B000201V/CH144	LaTeX -Scientific Writing/ Laboratory safety & Sample Handling	P+T	Vocational	1	0	2	-	-	-	100	100	03	✓	✓	✓		✓	✓	✓			  	
8.	Z020201T/NS110	First Aid and Health	P	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓		✓		✓	✓	✓				
<b>TOTAL</b>					<b>16</b>	<b>05</b>	<b>10</b>	<b>105</b>	<b>70</b>	<b>175</b>	<b>625</b>	<b>800</b>	<b>27</b>											