

K L E F																
DEPARTMENT OF CHEMISTRY																
2020-2022 M.Sc BATCH																
Program Articulation Matrix																

S.No	Course Code	Course Name	Category	L	T	P	S	C	P	PO						
										1	2	3	4	5	6	7
1	20CY5101	Theoretical Chemistry-I	Prof. Core	4	0	0	0	4	-	1	2	2				
2	20CY5102	Inorganic Chemistry- I	Prof. Core	4	0	6	0	7	-			2				
3	20CY5103	Organic Chemistry-I	Prof. Core	4	0	6	0	7	-	2	2	2				
4	20CY5104	Physical Chemistry-I	Prof. Core	4	0	6	0	7	-	1	3	2	3			
5	20CY5201	Theoretical Chemistry-II	Prof. Core	4	0	0	0	4	-	2	2	3				
6	20CY5202	Inorganic Chemistry- II	Prof. Core	4	0	6	0	7	-	2		3	3		2	
7	20CY5203	Organic Chemistry-II	Prof. Core	4	0	6	0	7	-		2	3	2	3	2	3
8	20CY5204	Physical Chemistry-II	Prof. Core	4	0	6	0	7	-	1	3	2	3	2	2	
9	20CY5301	Instrumental Methods of Analysis-I	Prof. Core	4	0	6	0	7	-	1	3	2	1	3		
10	20CY5302	Quality Control and Classical Methods of Analysis	Prof. Core	4	0	0	0	4	-	1	3	2	1	3		
11	20CY5303	Applied Chemical Analysis	Prof. Core	4	0	6	0	7	-	1	2	2	3	2		
12	20CY5310	Organic Synthesis-I	Prof. Core	4	0	6	0	7	-	1	3	2	2	1		
13	20CY5311	Natural Products and Bio-molecules	Prof. Core	4	0	6	0	7	-	1	2	2	3	1		
14	20CY5312	Organic Spectroscopy	Prof. Core	4	0	0	0	4	-	1	3	3				

15	20CY5401	Instrumental Methods of Analysis-II	Prof. Core	4	0	6	0	7	-	2	2	3		3		
16	20CY5402	Advance Applied Chemical Analysis	Prof. Core	4	0	6	0	7	-	2	3	2	3	3		
17	20CY5403	Dissertation with Research Publication	Skill Development	0	0	12	0	6	-				3			
18	20CY5407	Organic Synthesis-II	Prof. Core	4	0	6	0	7	-	2	2	3	2	2		
19	20CY5408	Advance Heterocyclic chemistry	Prof. Core	4	0	6	0	7	-	2	3	2	2			
20	20CY5409	Dissertation with Research Publication	Skill Development	0	0	12	0	6	-				3			
21	20CY5304	Separation Techniques	Prof. Electives	3	0	0	0	3	-	2				3		
22	20CY5305	Applications of Chemical Spectroscopy	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2		
23	20CY5306	Bio analytical Chemistry	Prof. Electives	3	0	0	0	3	-	1	3	2	3	2		
24	20CY5307	Environmental Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2		
25	20CY5308	Surface Analytical Techniques	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2	1	
26	20CY5309	Analysis of Food and Drugs	Prof. Electives	3	0	0	0	3	-	1	2	2	3	2	1	
27	20CY5313	Photo Chemistry and Pericyclic reactions	Prof. Electives	3	0	0	0	3	-	1	3	2	2	3	1	
28	20CY5314	Organometallic Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2		3		
29	20CY5315	Bio Organic Chemistry	Prof. Electives	3	0	0	0	3	-	1	2	2		3	2	
30	20CY5316	Green & Sustainable Chemistry	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	1	
31	20CY5317	Supra molecular Chemistry	Prof. Electives	3	0	0	0	3	-	1	3	2	1	3		

32	20CY5318	Medicinal chemistry	Prof. Electives	3	0	0	0	3	-	2	3	2	2			
33	20CY5404	Chromatographic Techniques & Method Validation	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	3	
34	20CY5405	Classical Methods of Analysis	Prof. Electives	3	0	0	0	3	-	2	3	2	2	3		
35	20CY5406	Chemo Sensors and body fluid analysis	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2	3	
36	20CY5410	Drug Design & Development	Prof. Electives	3	0	0	0	3	-	2	2	3	3	2		
37	20CY5411	Chemistry of Drugs and Pharmaceuticals	Prof. Electives	3	0	0	0	3	-	2	2	3	2	2		
38	20CY5412	Nano Chemistry	Prof. Electives	3	0	0	0	3	-	2	2	3	2	3		
39	20UC1102	Design Thinking and Innovation - 1	Skill Development	1	0	0	4	2	-	2	2	2	1	2		
40	20UC1203	Design Thinking and Innovation - 2	Skill Development	1	0	0	4	2	20 UC1102	2	3	2	2	3		