CORE COURSE: CHEMISTRY

COMMON COURSE: POLYMER CHEMISTRY

COMPLEMENTARY COURSES: 1. COMPUTER SCIENCE &

2. MATHEMATICS

COURSE STRUCTURE FOR POLYMER CHEMISTRY

(UG) PROGRAMME

2019 ADMISSION

SEMESTER 1

No.	Course	Hours/week	Credit	Marks		
				CE	ESE	Total
1	English Common Course I	5	4	10	40	50
2	English Common Course II	4	3	10	40	50
3	Additional Common Course I	5	4	10	40	50
4	Core Course 1 Theoretical & Inorganic Chemistry	3	3	10	40	50
5	Complementary Elective -I (Course -1)	4	2	8	32	40
6	Complementary Elective -II (Course -1)	4	3	10	40	50
	Total	25	19	58	232	290

SEMESTER II

No.	Course	Hours /week	Credit	Marks		
				CE	ESE	Total
1	English Common Course III	5	4	10	40	50
2	English Common Course IV	4	3	10	40	50
3	Additional Common Course- II	5	4	10	40	50
4	Core Course 2 (Analytical and Inorganic chemistry–I	3	3	10	40	50
5	Complementary Elective -I (Course -2)	4	2	8	32	40
6	Complementary Elective -II (Course -2)	4	3	10	40	50
	Total	25	19	58	232	290

SEMESTER III

No.	Course	Hours/week	Credit	Marks		
				CE	ESE	Total
1	General Awareness Course I Polymer Chemistry I	3	3	8	32	40
2	General Awareness Course II Polymer Chemistry II Theory, Practicals	3 +2	3	8	32	40
3	Core Course4 (Organic Chemistry I)	3	3	10	40	50
4	Core Course 3, Practical1,Part I	2	-	-	-	-
5	Core Course 5,Practical2,Part I	2	-	-	-	-
6	Complementary Elective -I (Course -3)	3	2	8	32	40
7	Complementary Elective Practical	2	-	-	-	-
8	Complementary Elective -II (Course -3)	5	3	10	40	50
	Total	25	14	44	176	220

SEMESTER IV

No.	Course	Hours/week	Credit	Marks		
				CE	ESE	Total
1	General Awareness Course III-Polymer Chemistry III Theory, Practicals	3 + 2	3 + 4	8 +8	32 +32	40+40
2	General Awareness Course IV-Polymer Chemistry IV	**3**	3	8	32	40
3	Core Course 6 (Organic Chemistry II)	3	3	10	40	50
4	Core Course 3, Practical1, Part II	2	2	10	40	50
5	Core Course 5, Practical 2, Part II	2	2	10	40	50
6	Complementary Elective -I (Course -4)	3	2	8	32	40
7	Complementary Elective Practical	2	4	8	32	40
8	Complementary Elective -II (Course -4)	5	3	10	40	50
	Total	25	26	80	320	400

SEMESTER V

No.	Course	Hours/week	Credit	Marks		
				CE	ESE	Total
1	Generic Elective Course	2	2	5	20	25
2	Core Course 7 Analytical and Inorganic chemistry-II	3	4	10	40	50
3	Core Course 8 (Inorganic Chemistry)	3	4	10	40	50
4	Core Course 9 (Physical Chemistry-I)	3	4	10	40	50

5	Core Course 10 (Physical Chemistry-II)	3	4	10	40	50
6	Core Course 11,Practical 3	5	-	-	-	-
7	Core Course 12, Practical 4	5	-	-	-	-
8	Core Course 13 Project/Industrial Visit	1	-	-	-	-
	Total	25	18	45	180	225

SEMESTER VI

No.	Course	Hours/week	Credit	Marks		
				CE	ESE	Total
1	Core Course 14 (Organic Chemistry-III)	4	4	10	40	50
2	Core Course 15 (Physical Chemistry-III)	4	3	10	40	50
3	Core Course 16 (Physical methods In Chemistry)	3	3	10	40	50
4	Core Course 17 Discipline Specific Elective Course	3	3	10	40	50
5	Core Course 18, Practical 5	5	3	10	40	50
6	Core Course 11& 12 Practical 3& 4	5	3 +3	10 10	40 40	50 50
7	Core Course 13 Project Industrial Visit	1	2	4	5 + 16	25
	Total	25	24	74	301	375

First Complementary Elective- Physics/Computer Science,

Second Complementary Elective-Mathematics

Total Credit = 120

Total Marks = 1800

COURSE STRUCTURE FOR UG PROGRAMME

POLYMER CHEMISTRY

2014 ADMISSION

SEMESTER 1

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Common Course 1 – English Course I	5	4	10	40	50
2	Common Course 2 – English Course II	4	3	10	40	50
3	Common Course - Additional Language Course I	5	4	10	40	50
4	Core Course 1	3	3	10	40	50
5	Complementary 1 (Course I)	4	2	8	32	40
6	Complementary 2 (Course I)	4	3	10	40	50
	Total	**25**	**19**	**58**	**232**	**290**

SEMESTER 2

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Common Course 3 – English Course III	5	4	10	40	50
2	Common Course 4 – English Course IV	4	3	10	40	50
3	Common Course - Additional Language CourseII	5	4	10	40	50
4	Core Course 2	3	3	10	40	50
5	Complementary 1 (Course II)	4	2	8	32	40
6	Complementary 2 (Course II)	4	3	10	40	50
	Total	**25**	**19**	**58**	**232**	**290**

SEMESTER 3

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Common Course 11–General Course I Polymer ChemistryI	3	3	8	32	40
2	Common Course 12 – General Course II Polymer Chemistry II Theory,Practicals	5	3	8	32	40
3	Core Course 4	3	3	10	40	50
4	Core Course 3, Practical1, PartI	2	-	-	-	-
5	Core Course 5, Practical2, PartI	2	-	-	-	-
6	Complementary 1 (Course III)	3	2	8	32	40
7	Complementary 1 Practicals	2	-	-	-	-
8	Complementary 2 (Course III)	5	3	10	40	50
	Total	**25**	**14**	**44**	**176**	**220**

SEMESTER 4

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Common Course 13 – General Course III Polymer Chemistry III Theory, Practicals	5	3 + 4	8 + 8	32 + 32	40 + 40
2	Common Course 14 - General Course IV Polymer ChemistryIV	3	3	8	32	40
3	Core Course 6	3	3	10	40	50
4	Core Course 3, Practical 1, PartII	2	2	10	40	50
5	Core Course 5, Practical 2, PartII	2	2	10	40	50
6	Complementary 1 (Course IV)	3	2	8	32	40
7	Complementary 1 Practicals	2	4	8	32	40
8	Complementary 2 (Course III)	5	3	10	40	50
	Total	**25**	**26**	**80**	**320**	**400**

SEMESTER 5

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Open Course 1	2	2	5	20	25
2	Core Course 7	3	4	10	40	50
3	Core Course 8	3	4	10	40	50
4	Core Course 9	3	4	10	40	50
5	Core Course 10	3	4	10	40	50
6	Core Course 11,Practical 3	5	-	-	-	-
7	Core Course 12,Practical 4	5	-	-	-	-
8	Core Course 13,Project&Industrial visit	1	-	-	-	-
	Total	**25**	**18**	**45**	**180**	**225**

SEMESTER 6

No	Course	Hours/ week	Credit	Marks		
				IA	ESE	Total
1	Core Course 14	4	4	10	40	50
2	Core Course 15	4	3	10	40	50
3	Core Course 16	3	3	10	40	50
4	Core Course 17(Elective)	3	3	10	40	50
5	Core Course 18, Practical 5	5	3	10	40	50
6	Core Course 11& 12 Practical 3& 4	5	3 +3	10 10	40 40	50 50
7	Core Course 13 Project & Industrial Visit	**1**	2	4	5 +16	25
	Total	**25**	**24**	**74**	**301**	**375**

Total Credit = 120

Total Marks = 1800