R21 Curriculum and Syllabus 2 Years MSc in Polymer Science and Technology The Centre for Interdisciplinary Sciences (CIS), JISIASR Kolkata



JIS University

Agarpara, Kolkata



JIS UNIVERSITY

Curriculum and Syllabus of 2 Years MSc in Polymer Science and Technology, The Centre for Interdisciplinary Sciences (CIS), JISIASR Kolkata

	SEMESTER 1										
Sl.	Type	Course	Course Nan	ne			L	T	P	Cre	dits
No		No.									
TH	THEORY										
1.	PC	PPS1001	Introduction Technology		er Sci	ence and	1 3	1	0	4	
2.	PC	PPS1002	Basic Polym		stry		3	1	0	4	
3.	OE	PPS1003	Polymer Na	notechnol	ogy		3	1	0	4	
		PPS1004	Biopolymer								
4.	OE	PDS1001	Course from	other dep	artme	ent	4	0	0	4	
			(Probability	and Statis	stics)						
PR	ACTICAL										
5.	PC	PPS1101	Laboratory of	on Basic F	Polymo	er Scien	ce 0	0	2	2	
			and Technol		-			\ \			
6.	PC	PPS1102	Laboratory of	on Polyme	er Che	mistry	0	0	2	2	
TO	TAL						13	3	4	20	

		SEMESTER 2								
Sl. No	Туре	Course No.	Course Name	L	T	P	Credits			
TH	EORY									
1.	PC	PPS2001	Basic Characterization Techniques of Polymers	3	1	0	4			
2.	PC	PPS2002	Surface Coating with Polymers, Paints and Dyes	3	1	0	4			
3.	OE	PPS2003	Specialty Polymers for advanced applications	3	1	0	4			
		PPS2004	Rheology and Mechanical Properties of Polymer							
		PPS2005	Advanced Organic Synthetic Chemistry							
		PPS2006	Heterocycles: their role in Polymer							
4.	OE	PDS2007	Database Design	4	0	0	4			
PR	ACTICAL	-		. I		1	•			
5.	PC	PPS2101	Laboratory on Polymer Characterizations	0	0	2	2			
6.	PC	PPS2102	Laboratory on Surface Coating	0	0	2	2			
TO	TAL	<u> </u>		13	3	4	20			



				Sl	EMEST	TER :	3					
Sl.	Type	Course No.	Course Name					L	Т	P	Credits	
No												
TH	EORY											
1.	PC	PPS3001	Imaging	g Tec	hnique	s and	App	lications	3	1	0	4
2.	PC	PPS3002	Biomat	erials	and 3I) prin	ting		3	1	0	4
3.	PC	PPS3003	Polyme	Polymers and Environment					2	1	0	3
4	OE	PPS3004	Researc	Research Methodology and Ethics					3	0	0	3
				_								
		PPS3005	Rubber and Textile Technology									
		PPS3006	Industrial Process Management									
PR	ACTICAL											
5.	PC	PPS3101	Laborat	ory (n Term	n Pape	er		0	0	06	06
TO	TAL	·							11	3	6	20

Semester 4

			SEMESTER 4									
Sl. No	Туре	Course No.	Course Name	L	Т	P	Credits					
ROJECT												
1.	PC	PPS4101	Project Final Thesis	0	0	14	14					
2.	PC	PPS4102	Project Final Viva-voce	0	0	06	06					
ТО	TAL					20	20					