

ANNEXURE II

5 (2+3) Year Integrated MSc-PhD in Paint and Coating

1st Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Total load	Credit
			L	T	P		
1.	To be decided (TBD)	Polymer Science and Polymer Chemistry (Core)	3	1	0	4	4
2.	TBD	Introduction to Nano Sci. and Technology (Core)	3	1	0	4	4
3.	TBD	Polymer Composites and Blends (Core)	2	1	0	3	3
4.	TBD	Corrosion Science and Corrosion Prevention (Core)	2	1	0	3	3
5.	TBD	Course from another department (CBCS)	4	0	0	4	4
6.	TBD	LAB-1: Polymer Science and Polymer Chemistry	0	0	2	2	2
1ST SEMESTER TOTAL							20
Seminar / SkillX							02

2nd Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Total load	Credit
			L	T	P		
1.	TBD	Speciality Polymer for Paint and Coating Application (Core)	3	1	0	4	4
2.	TBD	Chemistry of Dyes and Pigments including spectroscopy of colors (Core)	3	1	0	4	4
3.	TBD	Surface Engineering and Interfaces Polymers (including paints and coatings) (Core)	2	1	0	3	3
4.	TBD	Polymer Characterizations (Core)	2	1	0	3	3
5.	TBD	Course from another department (CBCS)	4	0	0	4	4
6.	TBD	LAB-2: Polymer Characterizations	0	0	2	2	2
2ND SEMESTER TOTAL							20
Seminar / SkillX							02

3rd Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Total load	Credit
			L	T	P		
1.	TBD	Recent Development in Paints and Coating (Core)	1	1	0	2	2
2.	TBD	Literature Review and Technical Writing for Scientific Communications (Core)	1	1	0	2	2
3.	TBD	Term Paper on Project work	0	0	10	10	12
4.	TBD	Term Paper Viva	0	0	4	4	4
3rd SEMESTER TOTAL							20
Seminar / SkillX							02

4th Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Total load	Credit
			L	T	P		
1.	TBD	Project Work	0	0	16	16	16
2.	TBD	Project Grand Viva	0	0	4	4	4
4th SEMESTER TOTAL							20
Seminar / SkillX							02

Total Credits for MSc (by Research) = [20+20+20+20] = 80 + 08 (Non CGPA) = 88

Credit (Theoretical) = 40

Credit (Lab.) = 40

For PhD:

In the 1st Semester of PhD (i.e. 5th Semester of MSc-PhD), 14 credits to be undertaken as mandatory course work for PhD [including two compulsory courses i.e. Research Methodology (4 credits) and Research Ethics (2 Credits); as per JIS University PhD Regulation]

Subjects to be offered for PhD must be different from MSc curriculum.