

Teaching and Examination Scheme
2nd Year: Ceramic Engineering
III Semester: B.Tech.

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	3CR2-01	Advanced Engineering Mathematics-I	3	0	0	30	120	150	3
2	HSMC	3CR1-02/ 3CR1-03	Technical Communications/ Managerial Economics & Financial Accounting	2	0	0	20	80	100	2
3	ESC	3CR3-04	Electronic Measurement & Instrumentation	2	0	0	20	80	100	2
4	PCC	3CR4-05	Introduction to Ceramics	2	0	0	20	80	100	2
5		3CR4-06	Ceramic Raw Materials and Characterization	2	0	0	20	80	100	2
6		3CR4-07	Thermodynamics and Phase Equilibria	2	0	0	20	80	100	2
7		3CR4-08	Particle and Fluid Mechanics	2	0	0	20	80	100	2
8		3CR4-09	Materials Science	2	0	0	20	80	100	2
9	PCC	3CR4-21	Ceramic Raw Materials & Characterization Lab	0	0	3	45	30	75	1.5
10		3CR4-22	Mineralogy and Microscopy Lab	0	0	3	45	30	75	1.5
11		3CR4-23	Mechanical Operations Lab	0	0	2	30	20	50	1
12		3CR4-24	Fluid Mechanics Lab	0	0	2	30	20	50	1
13		3CR4-25	Ceramic Processing Lab	0	0	2	30	20	50	1
14	Training Exam	3CR7-30						50	1	
15	SODECA	3CR8-00	Social Outreach Discipline & Extra Curricular Activities					25	0.5	
Total									1225	24.5

L = Lecture, T = Tutorial, P = Practical,

IA=Internal Assessment, ETE=End Term Exam, Cr=Credits

Teaching and Examination Scheme
2nd Year: Ceramic Engineering
IV Semester: B.Tech.

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	4CR2-01	Advanced Engineering Mathematics-II	2	0	0	20	80	100	2
2	HSMC	4CR1-03/ 4CR1-02	Technical Communications/ Managerial Economics & Financial Accounting	2	0	0	20	80	100	2
3	ESC	4CR3-04	Theory of Solid Mechanics	2	0	0	20	80	100	2
4	PCC	4CR4-05	Ceramic Analysis and Instrumentation	3	0	0	30	120	150	3
5		4CR4-06	Electric Properties of Materials	2	0	0	20	80	100	2
6		4CR4-07	Heat and Mass Transfer	2	0	0	20	80	100	2
7		4CR4-08	Fuels, Furnaces and Pyrometers	2	0	0	20	80	100	2
8		4CR4-09	Cement Technology	2	0	0	20	80	100	2
9	PCC	4CR4-21	Ceramic Analysis & Instrumentation Lab	0	0	3	45	30	75	1.5
10		4CR4-22	Electric Properties of Materials Lab	0	0	3	45	30	75	1.5
11		4CR4-23	Heat and Mass Transfer Lab	0	0	3	45	30	75	1.5
12		4CR4-24	Cement Lab	0	0	3	45	30	75	1.5
13	SODECA	4CR8-00	Social Outreach Discipline & Extra Curricular Activities						25	0.5
Total							1175			23.5

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