

7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN CERAMIC ENGINEERING

FIRST SEMESTER

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Theory	Practical	Written Paper		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1	Communication Skills –I *	3	-	2	25	25	100	3	50	2	200
1.2	Applied Mathematics-I*	4	1	-	50	-	100	3	-	-	150
1.3	Applied Physics – I *	4	-	2	25	25	100	3	50	3	200
1.4	Applied Chemistry – I *	2	-	2	25	25	100	3	50	3	200
1.5	Basics of Information Technology *	-	-	4	-	50	-	-	100	3	150
1.6	Engineering Drawing-I *	-	-	6	-	50	100	3	25 (Viva)	2	175
1.7	General Workshop Practice – I *	-	-	6	-	50	-	-	+100	3	150
Student Centred Activities #		-	-	4	-	25	-	-	-	-	25
Total		13	1	26	125	250	500		375		1250

+ Including 25 marks for Viva-voce

* Common with other diploma programmes

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

SECOND SEMESTER (CERAMIC ENGINEERING)

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Theory	Practical	Written Paper		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1	Communication Skills –II *	3	-	2	25	25	100	3	50	2	200
2.2	Applied Mathematics-II *	4	1	-	50	-	100	3	-	-	150
2.3	Applied Chemistry – II *	2	-	2	25	25	100	3	50	3	200
2.4	General Workshop Practice-II *	-	-	6	-	50	-	-	+100	3	150
2.5	Basics of Electrical and Electronics Engineering	3	-	2	25	25	100	3	50	3	200
2.6	Geology	4	-	2	25	25	100	3	50	3	200
2.7	Introduction to Ceramic Engineering	3	-	-	50	-	100	3	-	-	150
Student Centred Activities #		-	-	6	-	25	-	-	-	-	25
Total		19	1	20	200	175	600		300		1275

+ Including 25 marks for Viva-voce

* Common with other diploma programmes

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

THIRD SEMESTER (CERAMIC ENGINEERING)

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Written Paper		Practical		
					Theory	Practical	Max. Marks	Max. Marks	Max. Marks	Hrs	
3.1	Material Science	4	-	-	50	-	100	3	-	-	150
3.2	Unit Operation in Ceramics	4	1	2	25	25	100	3	50	3	200
3.3	Principles of Metallurgy	3	-	-	50	-	100	3	-	-	150
3.4	Engineering Thermodynamics*	3	1	-	50	-	100	3	-	-	150
3.5	Fuel and Furnaces	4	1	2	25	25	100	3	50	3	200
3.6	Ceramic Raw Materials	3	-	-	50	-	100	3	-	-	150
3.7	Cement Technology	3	1	4	25	25	100	3	50	3	200
Student Centred Activities #		-	-	4	-	25	-	-	-	-	25
Total		24	4	12	275	100	700	-	150	-	1225

* Common with Diploma Programme in Chemical Engineering

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

FOURTH SEMESTER (CERAMIC ENGINEERING)

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
							Written Paper		Practical		
					Theory	Practical	Max. Marks	Max. Marks	Max. Marks	Hrs	
4.1	Ceramic Machineries	3	-	2	25	25	100	3	50	3	200
4.2	Computer Applications in Ceramic Industry	-	-	4	-	50	-	-	100	3	150
4.3	Ceramic Whiteware Technology - I	3	-	6	25	25	100	3	50	3	200
4.4	Ceramic Refractory Technology - I	3	-	6	25	25	100	3	50	3	200
4.5	Glass Technology - I	3	-	6	25	25	100	3	50	3	200
Student Centred Activities #		-	-	4	-	25	-	-	-	-	25
Total		12	-	28	100	175	400	-	300	-	975

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

FIFTH SEMESTER (CERAMIC ENGINEERING)

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
5.1	Industrial Management *	3	-	-	50	-	100	3	-	-	150
5.2	Ceramic Whiteware Technology - II	3	-	6	25	25	100	3	50	3	200
5.3	Ceramic Refractory Technology - II	3	-	6	25	25	100	3	50	3	200
5.4	Glass Technology – II	3	-	6	25	25	100	3	50	3	200
5.5	Modern Ceramics	4	-	-	50	-	100	3	-	-	150
Student Centred Activities #		-	-	6	-	25	-	-	-	-	25
Total		16	-	24	175	100	500	-	150	-	925

* Common with other diploma programmes

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

SIXTH SEMESTER (CERAMIC ENGINEERING)

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Minor Project Work	-	-	15	-	100	-	-	100	3	200
6.2	Major Project Work	-	-	25	-	100	-	-	200	3	300
Total		-	-	40	-	200	-	-	300	-	500

* This semester is completely devoted to training and project work by the students in industry.