

SN	Name of Subject	CH		Marks	SN	Name of Subject	CH		Marks
		Th	Pr				Th	Pr	
First Year									
1 st Semester					2 nd Semester				
1	Functional English	3	0	100+00	1	Workshop Technology	2	2	50+00
2	Atmospheric Chemistry	3	0	100+50	2	Islamic Studies / Ethics	2	0	50+00
3	Calculus and Analytical Geometry	3	0	100+00	3	Engineering Mechanics	3	0	100+00
4	Electrical Technology-I	3	1	100+50	4	Differential Equation and Applications	3	0	100+00
5	Engineering Drawing & Graphics	2	2	50+100	5	Technical Report Writing & Communication Skills	3	0	100+00
					6	Pakistan Studies	2	0	50+00
	Total	14	3	450+150		Total	15	2	450+100
Second Year									
1 st Semester					2 nd Semester				
1	Energy Resources & Environment	3	0	100+00	1	Power Plant Technology	3	0	100+00
2	Engineering Thermodynamics	3	1	100+50	2	Thermal System Engineering	3	1	100+50
3	Fluid Mechanics	3	0	100+00	3	Engineering Materials	3	0	100+00
4	Laplace Transform and Fourier Series	3	0	100+00	4	Energy Storage Technologies	3	1	100+50
5	Computer Systems & Programming	3	1	100+50	5	Basic Electronics	3	1	100+50
	Total	15	2	500+100		Total	15	3	500+150
Third Year									
1 st Semester					2 nd Semester				
1	Heat & Mass Transfer	3	1	100+50	1	Health Safety & Environment	3	0	100+00
2	Bio-Energy Engineering	3	0	100+00	2	Petroleum & Gas Exploration	3	1	100+50
3	Fuels & Combustion	3	1	100+50	3	Nuclear & Energy	3	0	100+00
4	Probability & Statistics	3	0	100+00	4	Pollution & Control	3	1	100+50
5	Electrical Technology-II	3	0	100+00	5	Instrumentation & Control	3	1	100+50
	Total	15	2	500+100		Total	15	3	500+150
Final Year									
1 st Semester					2 nd Semester				
1	Refinery Engineering	3	0	100+00	1	Thesis / Project	0	3	00+200
2	Solar Energy Engineering	3	1	100+50	2	Environmental Impact Assessment	3	0	100+00
3	Hydro Power Engineering	3	1	100+50	3	Wind Energy Engineering	3	1	100+50
4	Energy Conservation	3	0	100+00	4	Advanced Clean Coal Technologies	3	1	100+50
5	Solid Waste Management	3	1	100+50	5	Energy Policy & Management	3	0	100+00
	Total	15	3	500+150		Total	12	5	400+300