

SEMESTER I

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics-I	Basic Science	2BS101	4
Physics	Basic Science	2BS103	3
Workshop Manufacturing Practice	Engineering Science	2ES102	2
Communication Skills	Regular	2HS101	4
Engineering Graphics	Regular	2ES101	4
Elements of Civil Engineering	Engineering Science	2ES1106	4

SEMESTER II

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics-II	Basic Science	2BS102	4
Basic Electrical Engineering	Engineering Science	2ES103	4
Programming for Problem Solving	Engineering Science	2ES104	4
Elements of Mechanical Engineering	Engineering Science	2ES105	4
Engineering Mechanics	Engineering Science	2ES107	4
Computer Aided Drawing	Engineering Science	2ES108	1

SEMESTER**III**

Subject Name	Subject Type	Subject Code	Subject Credit
Numerical Methods And Programming	Professional Core	2PCE3101	5
Fluid Mechanics	Professional Core	2PCE3102	5
Strength of Materials	Professional Core	2PCE3103	4
Chemical Process Calculations	Professional Core	2PCE3104	4
Petrochemical Engineering I	Professional Core	2PCE3106	4

**SEMESTER
IV**

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics for Petrochemical Engineering	Basic Science	2BS4105	4
Heat Transfer Operations	Professional Core	2PCE4101	5
Inorganic Process Technology	Professional Core	2PCE4102	4
Mechanical Operations	Professional Core	2PCE4103	4
Petrochemical Engineering II	Professional Core	2PCE4104	4

**SEMESTER
V**

Subject Name	Subject Type	Subject Code	Subject Credit
Mass Transfer-I	Professional Core	2PCE5101	5
Chemical Reaction Engineering-I	Professional Core	2PCE5102	5
Petroleum Refining Engineering	Professional Core	2PCE5103	3
Process Instrumentation	Professional Core	2PCE5104	3
Chemical Engineering Thermodynamics	Professional Core	2PCE5105	4
Nanotechnology	Professional Elective	2PCE51PE1	2
Drilling and Well Engineering	Professional Elective	2PCE51PE2	2
Aptitude skill building I	Humanity and Social Science	2HS5101	1

**SEMESTER
VI**

Subject Name	Subject Type	Subject Code	Subject Credit
Process Control	Professional Core	2PCE6101	4
Environmental Engineering	Professional Core	2PCE6102	4
Mass Transfer-II	Professional Core	2PCE6103	5
Petrochemical Technology	Professional Core	2PCE6104	3
Chemical Reaction Engineering-II	Professional Core	2PCE6105	5
Seminar	Professional Core	2PCE6106	1
Energy Technology& Management	Professional Elective	2PCE61PE1	2
Storage Transportation and Corrosion Engineering	Professional Elective	2PCE61PE2	2
Aptitude skill building_II	Humanity and Social Science	2HS6101	1

**SEMESTER
VII**

Subject Name	Subject Type	Subject Code	Subject Credit
Process Equipment Design	Professional Core	2PCE7101	4
Computer Aided Process Synthesis	Professional Core	2PCE7102	5
Natural Gas Engineering	Professional Core	2PCE7103	3
Plant Safety & Economics	Professional Core	2PCE7104	3
Polymer Technology	Professional Elective	2PCE71PE1	2
Minor Project	Professional Core	2PCE7106	2
Enhanced Oil Recovery	Professional Elective	2PCE71PE2	2

**SEMESTER
VIII**

Subject Name	Subject Type	Subject Code	Subject Credit
Teaching Scheme	Open	A	-
Industrial Training	Professional Core	2PCE8103	20
Teaching Scheme	Open	B	-
New Separation Techniques	Professional Elective	2PCE81PE11	3
Pipeline Engineering	Professional Elective	2PCE81PE12	3
Advanced Petroleum Refining	Professional Elective	2PCE81PE 21	3
Disaster Management	Professional Elective	2PCE81PE22	3
Project	Professional Core	2PCE8104	14

