



PARUL UNIVERSITY

WAGHODIA, VADODARA

Subject Teaching & Examination Scheme

Course : Diploma-PU | Curriculum : ENGG & TECH - Diploma - PC- 2020-21

Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602107	Applied Chemistry	3	3	-	-	20	-	20	60	-	35	-	100
03602108	Applied Chemistry Lab	1	-	2	-	-	50	-	-	-	-	25	50
03602109	Physical Analytical and Inorganic Chemistry	3	3	-	-	20	-	20	60	-	35	-	100
03602110	Physical Analytical and Inorganic Chemistry Lab	1	-	2	-	-	50	-	-	-	-	25	50
03606101	Introduction to IT Systems	1	1	-	-	20	-	20	60	-	35	-	100
03606102	Introduction to IT Systems Lab	2	-	4	-	-	100	-	-	-	-	50	100
03609102	Engineering Graphics Lab	2	-	4	-	-	100	-	-	-	-	50	100
03691101	Mathematics - I	3	2	-	1	20	-	20	60	-	35	-	100
03693102	Communication Skill-1	1	1	-	-	20	0	20	60	-	35	-	100
Total		17	10	12	1								800

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 35 Practical Passing % : 50



Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602151	Organic Chemistry	4	4	-	-	20	-	20	60	-	35	-	100
03602152	Organic Chemistry lab	1	-	2	-	-	-	-	-	-	-	25	50
03605101	Environmental Science	0	2	-	-	20	-	20	-	-	14	-	40
03605151	Engineering Mechanics	3	3	-	-	20	-	20	60	-	35	-	100
03605152	Engineering Mechanics Lab	1	-	2	-	-	50	-	-	-	-	25	50
03609104	Engineering Workshop Practice	2	2	4	-	-	-	-	-	-	-	50	100
03691151	Mathematics-II	4	3	-	1	20	-	20	60	-	35	-	100
03692103	Applied Physics	3	3	-	-	20	-	20	60	-	35	-	100
03692104	Applied Physics Lab	1	-	2	-	-	50	-	-	-	-	25	50
03693152	Communication Skill-II LAB	1	1	-	-	20	-	20	60	-	35	-	100
Total		20	18	10	1								790

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 35 Practical Passing % : 50



Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602206	Material Science and Technology	3	3	-	-	20	-	20	60	-	35	-	100
03602207	Mechanical Operations	3	3	-	-	20	-	20	60	-	35	-	100
03602208	Mechanical Operations Lab	1	-	2	-	-	50	-	-	-	-	25	50
03602209	Fluid Flow Operation	3	3	-	-	20	-	20	60	-	35	-	100
03602210	Fluid Flow Operation Lab	1	-	-	-	-	50	-	-	-	-	25	50
03602211	Chemical Process Calculation	3	3	-	-	20	-	20	60	-	35	-	100
03603201	Chemical Process Technology- I	3	3	-	-	20	-	20	60	-	35	-	100
03603202	Chemical Process Technology- I Lab	1	-	2	-	-	50	-	-	-	-	25	50
	Total	18	15	4									650

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 35 Practical Passing % : 50



Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602262	Engineering Thermodynamics	3	3	-	-	20	-	20	60	-	35	-	100
03602263	Process Heat Transfer	4	4	-	-	20	-	20	60	-	35	-	100
03602264	Process Heat Transfer Lab	1	-	2	-	-	50	-	-	-	-	-	
03602265	Mass Transfer - I	4	4	-	-	20	-	20	60	-	35	-	100
03602266	Mass Transfer - I Lab	1	-	2	-	-	50	-	-	-	-	-	
03603203	Chemical Process Technology-II	3	3	-	-	20	-	20	60	-	35	-	100
03603204	Chemical Process Technology-II Lab	1	-	2	-	-	-	-	-	-	-	25	50
03603205	Petroleum Refining	3	3	-	-	20	-	20	60	-	35	-	100
	Total	20	17	6									550

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 35 Practical Passing % : 50



Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602307	Mass Transfer - II	4	4	-	-	20	-	20	60	-	35	-	100
03602308	Mass Transfer - II Lab	1	-	2	-	-	50	-	-	-	-	-	
03602361	Chemical Engineering Plant Economics	3	3	-	-	20	-	20	60	-	35	-	100
03603207	Basics of Petrochemical	4	4	-	-	20	-	20	60	-	35	-	100
03603208	Project - I	2	2	-	-	-	-	-	-	-	-	50	100
03603209	SUMMER INTERNSHIP -AFTER 2ND SEM (4 WEEK)	2	-	-	-	-	-	-	-	-	-	-	
03603210	Entrepreneurship and start up	4	3	-	1	20	-	20	-	-	14	-	40
03603211	Fundamentals of Liquified Natural Gas	4	4	-	-	20	-	20	60	-	35	-	100
03603212	Chemical Engineering Plant Economics tutorial	2	-	-	2	-	-	-	-	-	-	-	
03603213	Petroleum Geology	4	4	-	-	20	-	20	60	-	35	-	100
	Total	30	24	2	3								640

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 35 Practical Passing % : 50



Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600353	Indian Constitution	2	2	-	-	-	-	-	-	-	-	-	
03602359	Chemical Reaction Engineering	4	4	-	-	20	-	20	60	-	35	-	100
03602360	Chemical Reaction Engineering Lab	1	-	2	-	-	50	-	-	-	-	-	
03603215	Health Environment and Safety	3	3	-	-	20	-	20	60	-	35	-	100
03603216	Health Environment and Safety Tutorial	2	-	-	2	-	-	-	-	-	-	-	
03603217	Instrumentation and Process Control	4	4	-	-	20	-	20	60	-	35	-	100
03603218	Instrumentation and Process Control Lab	2	-	2	-	-	-	-	-	-	-	25	50
03603220	Project -II	2	-	4	-	-	-	-	-	-	-	50	100
03603221	Polymer Technology	3	3	-	-	20	-	20	60	-	35	-	100
03603222	Environment Engineering	3	3	-	-	20	-	20	60	-	35	-	100
03603223	Natural Gas Engineering	3	3	-	-	20	-	20	60	-	35	-	100
	Total	29	22	8	2								750

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 35 Practical Passing % : 50