



Second Year (Lateral Entry) Teaching Scheme

Admission Year 2026-27

**Bachelor of Technology (Lateral Entry)
Civil Engineering**

Faculty of Engineering & Technology

Parul University

Vadodara, Gujarat, India

Semester - 3 : Basic Science Course (BSC)-III (2025-26)

						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.	
03019103BS02	Probability and Statistics	3	3	0	0	20	0	20	60	0	40	0	100

Semester - 3 : Engineering Science courses (ESC- V)

						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.	
03010902ES01	Workshop	2	0	4	0	0	20	0	0	30	0	25	50

Semester - 3 : Humanities and Social Science, including Management Courses (HSMC- II)

						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.	
03010003HM01	Cognitive Reasoning	1	0	2	0	0	20	0	0	30	0	25	50

Semester - 3 : Humanities and Social Science, including Management Courses (HSMC- II)

						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.	
17013003MC01	Indian Constitution	0	1	0	0	-	-	50	-	-		25	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.	
03010404PC01	Hydraulics Engineering	3	3	-	-	20		20	60				100
03010404PC02	Hydraulics Engineering Laboratory	1	-	2	-		20			30			50
03010404PC03	Environment Engineering	3	3	-	-	20		20	60				100
03010404PC04	Environment Engineering Laboratory	1	-	2	-		20			30			50
	Professional Elective Courses (PECs- I)	4	3	2	-	20	20	20	60	30	40	25	150
	Multidisciplinary Open Professional Electives Courses (MOPECs- II)	3	3	-	-	20	0	20	60	0	40	0	100
	Basic Science Courses (BSC- V)	3	3	0	0	20	0	20	60	0	40	0	100
	Humanities and Social Science, including Management Courses (HSMC- III)	2	1	2	-	20	20	20	60	30	40	25	150
	Mandatory courses (MNC- IV)	0	1	-	-	-	-	50	-	-		25	50
	Total	20	17	8									850

Semester - 4 : Professional Elective Courses (PECs- I)

						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.	
03010404PE01	Engineering Geology	3	3	-	-	20		20	60				100
03010404PE02	Engineering Geology Laboratory	1	-	2	-		20			30			50

03010404PE03	Railway, Bridge and Tunnel Engineering	3	3	-	-	20		20	60				100
03010404PE04	Railway, Bridge and Tunnel Engineering Laboratory	1	-	2	-		20			30			50
03010404PE05	Disaster Preparedness and Planning	3	3	-	-	20		20	60				100
03010404PE06	Disaster Preparedness and Planning Laboratory	1	-	2	-		20			30			50
03010404PE07	Structural Analysis	3	3	-	-	20		20	60				100
03010404PE08	Structural Analysis Laboratory	1	-	2	-		20			30			50

Semester - 4 : Multidisciplinary Open Professional Electives Courses (MOPECs- II)

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
15M10504UE01	Introduction to Cognitive Psychology	3	3	-	-	20	0	20	60	0	40	0	100
15M10504UE02	Human Behavior	3	3	-	-	20	0	20	60	0	40	0	100
15M10504UE03	Emotional Intelligence	3	3	-	-	20	0	20	60	0	40	0	100
19M10004UE01	Psychiatry: An overview	3	3	-	-	20	0	20	60	0	40	0	100
19M10004UE02	Philosophy and Critical Thinking	3	3	-	-	20	0	20	60	0	40	0	100

Semester - 4 : Basic Science Courses (BSC- V)

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03019104BS02	Numerical Methods	3	3	0	0	20	0	20	60	0	40	0	100

Semester - 4 : Humanities and Social Science, including Management Courses (HSMC- III)

						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.	
03010004HM01	Engineering Ethics & Organizational Behavior	2	1	2	-	20	20	20	60	30	40	25	150

Semester - 4 : Mandatory courses (MNC- IV)

						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.	
03010004MC01	NCC	-	1	-	-	-	-	50	-	-		25	50
03010004MC02	NSS	-	1	-	-	-	-	50	-	-		25	50
03010004MC03	Sports	-	1	-	-	-	-	50	-	-		25	50
03M10004MC01	Yoga and Positive Psychology for Managing Career and Life	-	1	-	-	-	-	50	-	-		25	50
03M10004MC02	The Science of Happiness and Wellbeing	-	1	-	-	-	-	50	-	-		25	50