



**First Year Teaching Scheme**

**Admission Year 2026-27**

**Bachelor of Technology  
Civil Engineering**

**Faculty of Engineering & Technology**

**Parul University**

**Vadodara, Gujarat, India**

## 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.	
03010401P C01	Surveying - I	3	2	2	-	20	20	20	60	30	40	25	150
	Basic Science Course (BSC)-I (2025-26)	4	4	0	0	20	0	20	60	0	40	0	100
	Basic Science Course (BSC)-II (2025-26)	4	3	2	0	20	20	20	60	30	40	25	150
	Engineering Science Course (ESC)-I (2025-26)	4	3	2	0	20	20	20	60	30	40	25	150
	Engineering Science Course (ESC)-II (2025-26)	4	2	4	0	20	20	20	60	30	40	25	150
	Humanities and Social Science, including Management Course (HSMC)-I (2025-26)	1	0	2	0	-	-	20	-	30		25	50
	Mandatory Course (MNC)-I (2025-26)	0	1	-	-	-	-	50	-	-		25	50
	Total	20	15	12									800

### Semester - 1 : Basic Science Course (BSC)-I (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.	
03019101B S02	Linear Algebra and Calculus	4	4	-	-	20	-	20	60	-	40	-	100

### Semester - 1 : Basic Science Course (BSC)-II (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.	
03019201B S02	Physics of Wave and Motion	4	3	2	-	20	20	20	60	30	40	25	150

**Semester - 1 : Engineering Science Course (ESC)-I (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.	
03010501E S01	Programming for Problem Solving	4	3	2	-	20	20	20	60	30	40	25	150

**Semester - 1 : Engineering Science Course (ESC)-II (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.	
03010901E S02	Engineering Graphics and Design	4	2	4	-	20	20	20	60	30	40	25	150

**Semester - 1: Humanities and Social Science, including Management Course (HSMC)-I (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.	
03010001H M01	Principles of Communication Skills	1	-	2	-	-	20	-	-	30	-	25	50

**Semester - 1: Mandatory Course (MNC)-I (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.	
03010001M C01	Student Induction Program with Essence of Indian Knowledge System	0	12	-	-	-	-	50	-	-	20	-	50

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 40 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.	
03010402P C01	Surveying - II	4	3	2	-	20	20	20	60	30	40	25	150
	Basic Science Course (BSC)-III (2025-26)	4	3	0	1	20	20	20	60	30	40	25	150
	Engineering Science Course (ESC)-III (2025-26)	4	3	2	-	20	20	20	60	30	40	25	150
	Engineering Science Course (ESC)-IV (2025-26)	4	2	4	-	20	20	20	60	30	40	25	150
	Humanities and Social Science, including Management Course (HSMC)-II (2025-26)	2	1	2	-	20	20	20	60	30	40	25	150
	Mandatory Course (MNC)-II (2025-26)	0	1	-	-	-	-	50	-	-		25	50
	Multidisciplinary Open Professional Electives Course (MOPEC)-I (2025-26)	3	3	-	-	20	0	20	60	0	40	0	100
	Total	21	16	10	1								900

### Semester - 2: 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.	
03019102B S02	Differential Equations and Vector Calculus	4	4	-	-	20	-	20	60	-	40	-	100

**Semester - 2: Engineering Science Course (ESC)-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.	
03010402ES01	Mechanics of Solids	4	3	2	-	20	20	20	60	30	40	25	150

**Semester – 2 : Engineering Science Course (ESC)-IV (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.	
03010402ES02	Basics of Civil Engineering	4	2	4	-	20	20	20	60	30	40	25	150

**Semester – 2: Humanities and Social Science, including Management Course (HSMC)-II (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.	
03010002HM01	Advanced Communication and Interpersonal Skills	2	1	2	-	40	20	-	60	30	40	25	150

**Semester – 2: Mandatory Course (MNC)-II (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.	
03010002MC01	Environmental Science	0	1	-	-	-	-	50	-	-	20	-	50

**Semester – 2: Multidisciplinary Open Professional Electives Course (MOPEC)-I (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.	
03M10002U E01	Privacy and Security in Online Social Media	3	3	-	-	20	-	20	60	-	40	-	100
03M10002U E02	Design, Technology and Innovation	3	3	-	-	20	-	20	60	-	40	-	100
06M10102U E02	Indian Economy: Some Contemporary Perspectives	3	3	-	-	20	-	20	60	-	40	-	100
06M10202U E01	Principles of Management	3	3	-	-	20	-	20	60	-	40	-	100
06M10502U E03	Intellectual Property	3	3	-	-	20	-	20	60	-	40	-	100

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**Theory Passing % : 40 Practical Passing % : 50**