

Scheme of Teaching and Examination effective from the Academic Year: 2026 – 27

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)

Sl. No	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)		Teaching & Learning Scheme					Examination				Credits
						L	T	P	S	# TH/S	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	ASC	1BMAT301A	Probability & Statistics	TD /PSB: Mathematics		42	28	0	50	120	3	50	50	100	4
2	PCC	1BSCET302	Mechanics of Materials	TD/PSB: CV/ME/AE/IM		42	28	0	50	120	3	50	50	100	4
3	PCCL	1BCVL303	Strength of Materials Laboratory	TD/PSB: Civil Engineering		0	0	28	02	30	2	50	50	100	1
4	IPCC	1BCVU304	Surveying & Geospatial Techniques	TD/PSB: Civil Engineering		42	0	28	50	120	3	50	50	100	4
5	PCC	1BCVT305	Building Materials & Construction	TD/PSB: Civil Engineering		42	0	0	48	90	3	50	50	100	3
6	PCC	1BCVT306	Water Supply Engineering	TD/PSB: Civil Engineering		42	0	0	48	90	3	50	50	100	3
7	AEC	1BCVL307	CAD & BIM	TD/PSB: Civil Engineering		0	0	28	02	30	2	50	50	100	1
8	SDC	1BPRJ308	Community Project / Societal Project (PBL)	TD/PSB: Civil Engineering		0	0	0	30	30	2	50	50	100	1
9	MC	1BCDN309	Placement	Placement Cell		28	0	0	02	30	--	50	--	50	PP/NP
10	NCM C	1BNSN310	National Service Scheme (NSS)	Campus	NSS coordinator	0	0	30	30	--	100	---	100	PP	
		1BPEN310	Physical Education (PE) (Sports and Athletics)		PE Director										
		1BYON310	Yoga		Yoga Teacher										
		1BMUN310	Music		Music Teacher										
		Total													238
11	NCMC	1BMATDIP31	Mathematics course for Lateral Entry Students	TD /PSB: Mathematics		15	0	0	15	30	3	100	---	100	PP
Total						253	56	84	327	720	24	650	400	1050	21

TH/S- Total Hours per Semester,

Dr. Ambedkar Institute of Technology, Bengaluru-560056

School of Core Engineering & Technology

B.E. Programme: Civil Engineering

Semester: IV

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Sl. No	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board		Teaching & Learning Scheme					Examination				Credits
						L	T	P	S	Total	Duration	CIE Marks	SEE Marks	Total Marks	
1	PCC	1BCVT401	Fluid Mechanics	TD/PSB: Civil Engineering		42	28	0	50	120	3	50	50	100	4
2	IPCC	1BCVU402	Wastewater Engineering	TD/PSB: Civil Engineering		42	0	28	50	120	3	50	50	100	4
3	PCC	1BCVT403	Analysis of Structures	TD/PSB: Civil Engineering		42	28	0	50	120	3	50	50	100	4
4	PCC	1BCVT404	Concrete Technology	TD/PSB: Civil Engineering		42	28	0	50	120	3	50	50	100	4
5	PCCL	1BCVL405	Concrete Materials Testing Laboratory	TD/PSB: Civil Engineering		0	0	28	02	30	3	50	50	100	1
6	AEC	1BCVL406	Fluid Mechanics & Hydraulics Machinery Laboratory	TD/PSB: Civil Engineering		0	0	28	02	30	3	50	50	100	1
7	BSC	1BBIT407	Biology for Civil Engineers	TD/PSB: Allied Branch		28	0	0	32	60	3	50	50	100	2
8	SDC	1BEP408	Environmental Science Project	TD/PSB: Civil Engineering		0	0	0	30	30	3	50	50	100	1
9	MC	1BCDN409	Placement	Placement Cell		28	0	0	02	30	--	50	--	50	PP/NP
9	NCMC	1BNSN410	National Service Scheme (NSS)	Campus	NSS coordinator	0	0	0	28	28	--	100	--	100	PP
		1BPEN410	Physical Education (PE) (Sports and Athletics)		Physical Education Director										
		1BYON410	Yoga		Yoga Teacher										
		1BMUN410	Music		Music Teacher										
Total						224	84	84	296	688	24	550	400	950	21
10	NCMC	1BMATDIP41	Mathematics course for Lateral Entry Students	TD /PSB: Mathematics		14	0	0	14	28	--	100	--	100	PP
Total						238	84	84	310	716	24	650	400	1050	21

