

PEOPLE'S UNIVERSITY, BHOPAL

Faculty of Engineering (Choice Based Credit System) Course Details and Scheme of Examination *(w.e.f. from Academic Session 2021-22 onwards)*



PROGRAMME: Bachelor of Technology

BRANCH: Civil Engineering

SECOND YEAR (III SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBCE-301	Concrete Technology	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCE-302	Transportation Engineering-I	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCE-303	Strength of Materials	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-304	Building Design & Drawing	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-305	Rock Mechanics & Engineering	E	35	15	-	35	15	-	100	1	0	2	02	V
CBCE -306	Software Lab-I	C	-	-	-	-	-	50	50	0	0	2	01	F
CBTE -307	*NCC-III	E	35	15	-	35	15	-	100	1	0	12	07	V
CBTE -308	Introduction to Internet of Things	E	70	30	-	35	15	-	150	2	0	2	03	V
CBTE -309	Quantitative Aptitude & Logical Reasoning	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-310	NSS-II/NSO-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-311	Music Vocal- II/ Music Instruments-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-312	Social Engineering	B	-	-	50	-	-	-	50	1	0	0	00	F
Total			420	180	100	175	75	150	1100	18	04	26	34	

Note: Student must earn 26 credits to complete this semester. (*For NCC-III 05 credits will be allotted after successful completion of camp.)

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(One hour Lecture (L) refers 1 credit, One hour Tutorial (T) refers 1 credit, One hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E, Elective, NCC- National Cadet Corps, V- Varied, L- Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and promotion criteria existing B. Tech. ordinance is applicable.

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Faculty of Engineering (Choice Based Credit System) Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

PROGRAMME: Bachelor of Technology

BRANCH: Civil Engineering

SECOND YEAR (IV SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-401	Entrepreneurship and IPR	C	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-402	Fluid Mechanics-I	C	70	30	-	35	15	-	150	3	0	2	04	F
CBCE-403	Construction Material & Techniques	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-404	Surveying-I	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-405	Waste Management	C	35	15	-	35	15	-	100	2	0	2	03	F
CBCE-406	Software Lab-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-407	NCC -IV	E	35	15	-	35	15	-	100	2	0	2	03	V
CBTE-408	Research Methodology	E	-	-	50	-	-	-	50	0	0	2	01	V
CBTE-409	Environmental Science	B	-	-	100	-	-	-	100	1	0	0	00	F
CBTE-410	Massive Open Online Courses (MOOCs)-I	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-411	Sociology	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-412	Fine Arts-II	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			350	150	200	175	75	150	1100	18	02	18	28	
NCC V- (Camp/ Industrial Training)		E/C	To be completed after fourth semester. Its evaluation/credit to be added in fifth semester											

Note: Student must earn 24 credits to complete this semester.


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PROGRAMME: Bachelor of Technology

BRANCH: Civil Engineering

THIRD YEAR (V SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
Refer Table -I	Open Elective (Refer Table-I)	E	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-502	Transportation Engineering-II	C	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-503	Design of R.C.C. Structures-I	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCE-504	Surveying-II	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-505	Fluid Mechanics-II	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-506	Estimation & Costing	E	70	30	-	35	15	-	150	3	0	2	04	V
CBTE-507	*NCC-V	E	35	15	-	35	15	-	100	1	0	12	07	V
CBTE-508	Accounting and Finance Management	E	35	15	-	-	-	-	50	2	0	0	02	V
CBCE-509	R.C.C. Structures Lab	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-510	Industrial Training	C	-	-	-	100	-	-	100	0	0	2	01	F
CBTE-511	Indian Constitution	B	-	-	50	-	-	-	50	1	0	0	00	F
Total			490	210	50	240	60	50	1100	22	03	22	35	

Note: Student must earn 28 credits to complete this semester. (*For NCC-V 05 credit will be allotted after successful completion of camp)

Table -I

Course Code	Name of Open Elective Course	Course Code	Name of Open Elective Course
CBTE-5101	Gender Equality	CBTE-5103	Ethical Hacking & Cyber Security
CBTE-5102	Human Health & Nutrition	CBTE-5104	Industrial Safety & Environment

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PROGRAMME: Bachelor of Technology

BRANCH: Civil Engineering

THIRD YEAR (VI SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
Refer Table-II	Department Elective-I	E	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-602	Theory of Structures-I	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCE-603	Design of R.C.C. Structures-II	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-604	Environmental Engineering-I	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-605	Geotechnical Engineering-I	E	70	30	-	35	15	-	150	2	0	2	03	V
CBTE-606	Human Resource Management	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-607	NCC - VI	E	35	15	-	35	15	-	100	2	0	2	03	V
CBTE-608	Company and Compensation law	E	35	15	-	-	-	-	50	2	0	0	02	V
CBCE-609	Theory of Structure Lab	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-610	Universal Human Ethics	B	-	50	50	-	-	-	100	2	1	0	03	F
Total			455	245	50	140	60	50	1000	22	04	10	31	

Note: Student must earn 24 credits to complete this semester

Table -II

Course Code	Name of Department Elective Course-I	Course Code	Name of Department Elective Course-I
CBCE-6101	Traffic Engineering	CBCE-6103	Advanced Highway Construction
CBCE-6102	Structural Dynamics & Earthquake Engineering	CBCE-6104	Appropriate Technology & Energy Conservation

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(T) refers to Tutorial (T) refers to One-hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E- Elective Course, F- Fixed, V- Variable, L- Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and promotion criteria existing B. Tech. ordinance is applicable.

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BRANCH: Civil Engineering

FOURTH YEAR (VII SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
Refer Table-III	Department Elective -II	E	70	30	-	-	-	-	100	3	0	0	03	F
Refer Table-III	Department Elective -III	E	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-703	Design of Steel Structures	C	70	30	-	-	-	-	100	3	0	0	03	F
CBCE-704	Theory of Structures-II	C	70	30	-	35	15	-	150	3	0	2	04	F
CBCE-705	Environmental Engineering-II	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCE-706	Geotechnical Engineering-II	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCE-707	Innovative Project Lab	C	-	-	-	-	-	50	50	0	0	2	01	F
CBTE-708	Introduction to MATLAB	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-709	Psychology	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-710	Massive Open Online Courses (MOOCs)-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-711	Professional Ethics and Proficiency	B	-	-	-	35	15	-	50	0	0	2	01	F
CBTE-712	GD/Seminar	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			420	180	50	105	45	200	1000	19	02	14	28	

Note: Student must earn 26 credits to complete this semester.

Table - III

Course Code	Name of Department Elective Course -II	Course Code	Name of Department Elective Course -III
CBCE-7101	Pavement Design	CBCE-7201	Management of Quality & Safety in Construction
CBCE-7102	Cost Effective & Eco Friendly Construction	CBCE-7202	Construction Planning & Management
CBCE-7103	Design of Hydraulic Structures	CBCE-7203	Advanced Foundation Engineering
CBCE-7104	City & Regional Planning	CBCE-7204	Land Economics & Management


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FOURTH YEAR (VIII SEMESTER)

Course Code	Name of the Course	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
BCE-801	Project Internship and Viva-Voce	C	-	-	-	300	200	-	500	0	0	20	10	F
Total			-	-	-	300	200	-	500	0	0	20	10	

Note: Student must earn 10 credits to complete this semester.

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