

CURRICULAM & SCHEME OF EXAMINATIONS

CIVIL ENGINEERING

Curricula & Scheme of Examinations for B.Tech

Combined I & II Semesters (Common for all branches)

Code	Subject	Hrs / Week			Sessional Marks	University Exam	
		L	T	P/D		Hrs	Marks

THEORY

2K6EN101	Engineering Mathematics I	2	1		50	3	100
2K6EN102	Engineering Physics	2			50	3	100
2K6EN103	Engineering Chemistry	2			50	3	100
2K6EN104	Engineering Mechanics	2	1		50	3	100
2K6EN105	Engineering Graphics	1		3	50	3	100
2K6EN106	Basic Civil Engineering	2	1		50	3	100
2K6EN107	Basic Mechanical Engineering	2	1		50	3	100
2K6EN108	Basic Electrical Engineering	2	1		50	3	100
2K6EN109	Basic Electronics and Computer Engineering	2	1		50	3	100

PRACTICAL

2K6EN110 P	Basic Engineering Laboratory (Surveying, Fitting, Carpentry, Foundry, Smithy, Welding & Sheet metal)			2	50	-	-
2K6EN111 P	Basic Electrical & Electronics Workshop (Wiring, Soldering & Study of Basic Computer Hardware)			2	50	-	-
TOTAL		17	6	7	550		900

THIRD SEMESTER

Code	Subject	Hrs / Week			Sessional Marks	University Exam	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 301	Engineering Mathematics II	3	1	-	50	3	100
2K6CE 302	Computer Programming	3	1	-	50	3	100
2K6CE 303	Mechanics of Structures	3	1	-	50	3	100
2K6CE 304	Surveying I	3	1	-	50	3	100
2K6CE 305	Building Materials & Construction Techniques	3	1	-	50	3	100
2K6CE 306	Fluid Mechanics I	3	1	-	50	3	100
PRACTICAL							
2K6CE 307 P	Civil Engineering Drawing I	-	-	3	50	3	100
2K6CE 308 P	Surveying Practical I	-	-	3	50	3	100
TOTAL		18	6	6	400	-	800

FOURTH SEMESTER

Code	Subject	Hrs / Week			Sessional Marks	University Exam	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 401	Engineering Mathematics III	3	1	-	50	3	100
2K6CE 402	Humanities	3	1	-	50	3	100
2K6CE 403	Structural Analysis I	3	1	-	50	3	100
2K6CE 404	Fluid Mechanics II	3	1	-	50	3	100
2K6CE 405	Surveying II	3	1	-	50	3	100
2K6CE 406	Engineering Geology	3	1	-	50	3	100
PRACTICAL							
2K6CE 407 P	Strength of Materials Lab	-	-	3	50	3	100
2K6CE 408 P	Surveying Practical II	-	-	3	50	3	100
TOTAL		18	6	6	400	-	800

FIFTH SEMESTER

Code	Subject	Hrs / Week			Sessional Marks	University Exam	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 501	Engineering Mathematics IV	3	1	-	50	3	100
2K6CE 502	Environmental Engg. & Disaster Management	3	1	-	50	3	100
2K6CE 503	Structural Analysis II	3	1	-	50	3	100
2K6CE 504	Concrete Technology	3	1	-	50	3	100
2K6CE 505	Housing Architectural & Planning	3	1	-	50	3	100
2K6CE 506	Geotechnical Engineering I	3	1	-	50	3	100
PRACTICAL							
2K6CE 507 P	Fluid Mechanics Lab	-	-	3	50	3	100
2K6CE 508 P	Concrete Lab	-	-	3	50	3	100
TOTAL		18	6	6	400	-	800

SIXTH SEMESTER

Code	Subject	Hrs / Week			Sessional Marks	University Exam	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 601	Engg.Economics & Business Management	3	1	-	50	3	100
2K6CE 602	Structural Analysis III	3	1	-	50	3	100
2K6CE 603	Design of Concrete Structures	3	1	-	50	3	100
2K6CE 604	Geotechnical Engineering II	3	1	-	50	3	100
2K6CE 605	Environmental Engineering I	3	1	-	50	3	100
2K6CE 606	Elective I	3	1	-	50	3	100
PRACTICAL							
2K6CE607P	Civil Engg. Drawing II	-	-	3	50	3	100
2K6CE608P	Geotechnical Engg. Lab	-	-	3	50	3	100
TOTAL		18	6	6	400	-	800

Elective I

1. 2K6CE 606(A) Irrigation Engineering
2. 2K6CE 606(B) Numerical Analysis
3. 2K6CE 606(C) Architectural engineering
4. 2K6CE 606(D) Remote Sensing and its application

SEVENTH SEMESTER

Code	Subject	Hrs / Week			Sessional	University	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 701	Design of Steel Structures	3	1	-	50	3	100
2K6CE 702	Quantity Surveying & Valuation	3	1	-	50	3	100
2K6CE 703	Environmental Engineering II	3	1	-	50	3	100
2K6CE 704	Transportation Engineering I	3	1	-	50	3	100
2K6CE 705	Elective II	3	1	-	50	3	100
PRACTICAL							
2K6CE706P	CAD Lab	-	-	3	50	3	100
2K6CE707P	Environmental Engg.Lab/ Transportation Engg.Lab	-	-	3	50	3	100
2K6CE708P	Mini Project	-	-	4	50	-	-
2K6CE709P	Physical Edn.,Health & Fitness	-	-	-	50	-	-
TOTAL		15	5	10	450	-	700

Elective II

- 2K6 CE 705 (A) -Prestressed concrete
- 2K6 CE 705 (B) -Traffic Engineering
- 2K6 CE 705 (C) -Reinforced earth and Geotextiles
- 2K6 CE 705 (D) -Computational Methods and Operational Research

EIGHTH SEMESTER

Code	Subject	Hrs / Week			Sessional	University	
		L	T	P/D		Hrs	Marks
THEORY							
2K6CE 801	Advanced Structural Design	3	1	-	50	3	100
2K6CE 802	Construction Management	3	1	-	50	3	100
2K6CE 803	Transportation Engineering II	3	1	-	50	3	100
2K6CE 804	Design of Hydraulic Structures	3	1	-	50	3	100
2K6CE 805	Elective III	3	1	-	50	3	100
PRACTICAL							
2K6CE806P	Seminar	-	-	4	50	-	-
2K6CE807P	Project & Industrial Training*	-	-	6	100	-	-
2K6CE808P	Viva-voce	-	-	-	-	3	100
TOTAL		15	5	10	400	-	600
Aggregate marks for 8 semesters - 8400					3000		5400

Elective III

- 2K6 CE 805 (A) Industrial Water Pollution Control.
- 2K6 CE 805 (B) Highways & Airport Pavement Design.
- 2K6 CE 805 (C) Optimization Techniques in Engineering.
- 2K6 CE 805 (D) Finite Element Method.

* 25 marks allocated for Project & Industrial training

