

Course Name : Diploma in Civil Engineering
 Subject Code : CEM42
 Semester : IV Semester
 Subject Title : **TRANSPORTATION ENGINEERING**

Teaching and scheme of examination :

No. of weeks per semester : 15 weeks

Subject Title	Instructions		Examination			Duration
	Hours / Week	Hours / Semester	Marks			
TRANSPORTATION ENGINEERING	5 Hrs	75 Hrs	Continuous Assessment	Autonomous End Semester Examination	Total	3 Hrs
			25	75	100	

TOPICS AND ALLOCATION OF HOURS:

UNIT NO.	TOPIC	Time (Hrs)
1	HIGHWAY ENGINEERING	13
2	HIGHWAY ENGINEERING (Contd.) & BRIDGE ENGINEERING	13
3	RAILWAY ENGINEERING	13
4	RAILWAY ENGINEERING (Contd.)	13
5	FUNDAMENTALS OF SOIL MECHANICS	13
	TEST AND REVISION	10
	Total	75

RATIONALE:

Construction of roads is one of the area in which diploma holders in Civil Engineering get employment. These diploma holders are responsible for construction and maintenance of highways. Basic concepts of road geo-metrics, surveys and plans, elements of traffic engineering, road materials, construction of rigid and flexible pavements, special features of hill roads, road drainage system and various aspects of maintenance find place in above course.

In addition, this subject will cater to the needs of those technicians who would like to find employment in the construction of railway tracks, bridges. The subject aims at providing broad based knowledge regarding various components and construction of railway track, bridges.

