



Scheme of Examination for M.Tech–Transportation Engineering Program SEMESTER WISE COURSE STRUCTURE

First Semester

S. NO.	Subject Code	Course Title	L	T	P	C	Examination marks		Subject Total
							Int.	Ext.	
1	13120121	Pavement Materials	4	0	0	4	40	60	100
2	13120122	Urban Transportation System Planning	4	0	0	4	40	60	100
3	13120123	Geometric Design of Transportation Facilities	3	0	0	3	40	60	100
4	13120128	Seminar	0	0	3	2	20	30	50
5	13120129	Pavement Materials Lab	0	0	2	1	20	30	50
6	13120130	Traffic Lab	0	0	2	1	20	30	50
7		Elective I	3	0	0	3	40	60	100
		Total	14	0	7	21	220	330	550

Second Semester

S. NO.	Subject Code	Course Title	L	T	P	C	Examination marks		Subject Total
							Int.	Ext.	
1	13120222	Analysis and Design of Pavement	4	0	0	4	40	60	100
2	13120223	Transport Economics	3	0	0	3	40	60	100
3	13120224	Traffic Engineering and Management	3	0	0	3	40	60	100
4	13120228	Pavement Design Lab	0	0	2	1	20	30	50
5	13120229	Comprehensive viva - voce	0	0	3	2	20	30	50
6		Elective II	3	0	0	3	40	60	100
		Total	13	0	5	16	200	300	500



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SEMESTER WISE COURSE STRUCTURE

Third Semester

S. NO.	Subject Code	Course Title	L	T	P	C	Examination marks		Subject Total
							Int.	Ext.	
1	13120316	Airport Infrastructure, Planning and Design	4	0	0	4	40	60	100
2		Elective – III	3	0	0	3	40	60	100
		Design lab	0	0	2	1	20	30	50
	13120319	Thesis - I	0	0	10	10	75	125	200
		Total	7	0	12	18	175	275	450

Fourth Semester

S. NO.	Subject Code	Course Title	L	T	P	C	Examination marks		Subject Total
							Int.	Ext.	
1	13120403	Thesis - II	0	0	15	15	130	170	300
		Total	0	0	15	15	130	170	300

List of Program Electives

S. NO.	Subject Code	Course Title	L	T	P	C	Examination marks		Subject Total
							Int.	Ext.	
Elective-I									
1	13120124	Bridge Engineering	3	0	0	3	40	60	100
2	13120125	Construction Project Management & BOT	3	0	0	3	40	60	100
3	13120126	Ground Improvement	3	0	0	3	40	60	100
4	13120127	Monte- Carlo Simulation in Engineering	3	0	0	3	40	60	100
Elective-II									
1	13120225	Highway Construction Practices	3	0	0	3	40	60	100
2	13120226	Mass and Multimodal Transportation System	3	0	0	3	40	60	100
3	13120227	Environmental Impact assessment and Auditing	3	0	0	3	40	60	100
Elective-III									
1		Pavement Evaluation, Rehabilitation and Maintenance	3	0	0	3	40	60	100
2		Rock Mechanics and Tunnelling	3	0	0	3	40	60	100
3		Road Traffic Safety	3	0	0	3	40	60	100
		Total Credits (<i>students to opt for any 3 courses</i>)	9						

Total Credit offer= 70