



Dr. A.P.J. Abdul Kalam University, Indore

Scheme of Examination

Master of Technology (Structural Engineering)

Department of Civil Engineering



Dr. A.P.J. Abdul Kalam University, Indore

Scheme of Examination

Master of Technology (Structural Engineering)

Department of Civil Engineering

SEMESTER : 1ST SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Hours/Week			Credits	Total marks
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Assignment/ Quiz/lab work	L	T	P		
1	MTSE 101	Advance Mathematics and Numerical Analysis	70	20	10	00	00	3	1	0	4	100
2	MTSE 102	Theory of Elasticity and Introduction to Plasticity	70	20	10	00	00	3	1	0	4	100
3	MTSE 103	Advance Structural Analysis	70	20	10	00	00	3	1	0	4	100
4	MTSE 104	Design of Concrete Structures	70	20	10	00	00	3	1	0	4	100
5	MTSE 105	Computer Aided Design	70	20	10	00	00	3	1	0	4	100
6	MTSE 106	Lab -1 (Concrete)	00	00	00	90	60	0	0	6	6	150
7	MTSE 107	Lab -2 (CAD)	00	00	00	90	60	0	0	6	6	150
		Total	350	100	50	180	120	15	5	12	32	800

L: Lecture

T: Tutorial

P: Practical



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S. No.	Subject Code	Subject Name	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Hours/Week			Credits	Total marks
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Assignment/ Quiz/lab work	L	T	P		
1	MTSE 201	Structural Dynamics	70	20	10	00	00	3	1	0	4	100
2	MTSE 202	FEM in Structural Engineering	70	20	10	00	00	3	1	0	4	100
3	MTSE 203	Advance Concrete Technology	70	20	10	00	00	3	1	0	4	100
4	MTSE 204	Experimental Stress Analysis	70	20	10	00	00	3	1	0	4	100
5	MTSE 205	Theory of Plates and Shells	70	20	10	00	00	3	1	0	4	100
6	MTSE 206	Lab-III (Instrumentation)	00	00	00	90	60	0	0	6	6	150
7	MTSE 207	Lab-IV (Structural Software)	00	00	00	90	60	0	0	6	6	150
Total			350	100	50	180	120	15	5	12	32	800

L: Lecture

T: Tutorial

P: Practical



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(Second Year)

(Session- 2017-2018)



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SEMESTER : IIIRD SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Hours/Week			Credits	Total marks
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Assignment/ Quiz/lab work	L	T	P		
1	MTSE 301	Elective I	70	20	10	00	00	3	1	0	4	100
2	MTSE 302	Elective II	70	20	10	00	00	3	1	0	4	100
3	MTSE 303	Seminar	00	00	00	00	100	0	0	4	4	100
4	MTSE 304	Dissertation Part- I (Literature Review/Problem Formulation/ Synopsis)	00	00	00	120	80	0	0	8	8	200
Total			140	40	20	120	180	06	02	12	20	500

L: Lecture

T: Tutorial

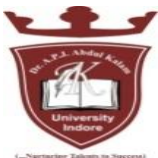
P: Practical

Elective –I (MTSE 301)

- (1) Advance FEM and programming
- (2) Advance Foundation Engineering
- (3) Design of Advance Steel Structures
- (4) Design of Earth Quake Ressant Structures

Elective-II (MTSE 302)

- 1) Stability Theory in Structural Engg.
- 2) Design of Tall Structures
- 3) Design of Offshore Structures
- 4) Reliability Based Civil Engg. Design



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SEMESTER : IVTH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Hours/Week			Credits	Total marks
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Assignment/ Quiz/lab work	L	T	P		
1	MTSE 401	Dissertation Part- II	00	00	00	300	200	00	00	20	20	500
		Total	00	00	00	300	200	00	00	20	20	500

L: Lecture

T: Tutorial

P: Practical