

JABALPUR ENGINEERING COLLEGE, JABALPUR (MP)
(An Autonomous Institute of Govt. of M.P.)
Affiliated to Rajiv Gandhi Technological University, Bhopal (MP)
Scheme of Study and Examination (w.e.f. July 2010)

M.E. Ist Sem. Branch : Civi Engg. Specialization : Environment Engineering

Course Code	Subject	Periods			EVALUATION SCHEME						Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL		
					TA	CT	TOT				
<u>CE-107</u>	Environmental Chemistry	3	1	-	10	20	30	70	100	4	
<u>CE-108</u>	Microbiology	3	1	-	10	20	30	70	100	4	
<u>CE-109</u>	Water Treatment - I	3	1	-	10	20	30	70	100	4	
<u>CE-110</u>	Waste Water Treatment - I	3	1	-	10	20	30	70	100	4	
<u>CE-111</u>	Hydrogeology	3	1	-	10	20	30	70	100	4	
(PRACTICAL/DRAWING/DESIGN)											
<u>CE-112L</u>	Adv.Environmental Lab-I	-	-	2	60	-	60	90	150	6	
<u>CE-113L</u>	Field Testing Lab- I	-	-	2	60	-	60	90	150	6	
	Total	15	5	4	170	100	270	530	800	32	

T.A. Teachers Assessment, CT- Class Test, ESE - End Semester Examination, Total Marks 800
 Total Periods : 24 Total Credits : 32


Dr. SHAILJA SHUKLA
 DEAN
 Academics
 Jabalpur Engineering College
 Jabalpur - 482 011 (M.P.)

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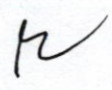
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Scheme of Study and Examination (w.e.f. July 2010)

M.E. Ist Sem. Branch : Civil Engg. Specialization : Geotechnical Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-101</u>	Advanced Mathematics & Soft Computing	3	1	-	10	20	30	70	100	4
<u>CE-101</u>	Geomechanics	3	1	-	10	20	30	70	100	4
<u>CE-102</u>	Geotechnical Behaviour of Earth Materials	3	1	-	10	20	30	70	100	4
<u>CE-103</u>	Geotechnical Exploration and Instrumentation	3	1	-	10	20	30	70	100	4
<u>CE-104</u>	Geotechnical Earthquake Engineering	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>CE-105L</u>	Numerical Computation Lab	-	-	2	60	-	60	90	150	6
<u>CE-106L</u>	Geotech. Field Testing Lab - I	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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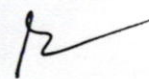
Scheme of Study and Examination

(w.e.f. July 2010)

M.E. Ist Sem. Branch : Civi Engg. Specialization : Structural Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
MA-101	Advanced Mathematics & Soft Computing	3	1	-	10	20	30	70	100	4
CE-114	Theory of Elasticity	3	1	-	10	20	30	70	100	4
CE-115	Advanced Structural Analysis	3	1	-	10	20	30	70	100	4
CE-116	Design of Special Concrete Structures	3	1	-	10	20	30	70	100	4
CE-117	Finite Element Method	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
CE-105L	Numerical Computation Lab	-	-	2	60	-	60	90	150	6
CE-118L	Advanced Structures Lab	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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Scheme of Study and Examination (w.e.f. July 2010)

M.E. Ist Sem. Branch : Electrical Engg. Specialization : Control Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-103</u>	Higher Engineering Mathematics	3	1	-	10	20	30	70	100	4
<u>EE-101</u>	Linear & Non-Linear Control System	3	1	-	10	20	30	70	100	4
<u>EE-102</u>	Digital Control System	3	1	-	10	20	30	70	100	4
<u>EE-103</u>	Operation Research & Optimization	3	1	-	10	20	30	70	100	4
<u>EE-104</u>	Industrial & Process Instrumentation	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>EE-105L</u>	CS Engg Lab - I	-	-	2	60	-	60	90	150	6
<u>EE-106L</u>	CS Engg Lab - II	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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Scheme of Study and Examination (w.e.f. July 2010)

M.E. I Sem. Branch : Electrical Engg. Specialization : High Voltage Engineering

Course Code	Subject	Periods			EVALUATION SCHEME						Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL		
					TA	CT	TOT				
<u>MA-103</u>	Higher Engg. Mathematics	3	1	-	10	20	30	70	100	4	
<u>EE-107</u>	Over-voltages in Power Systems	3	1	-	10	20	30	70	100	4	
<u>EE-108</u>	Power System Operation & Control	3	1	-	10	20	30	70	100	4	
<u>EE-109</u>	Switch Gear & Protective Relay	3	1	-	10	20	30	70	100	4	
<u>EE-110</u>	Generation & Measurement of HV	3	1	-	10	20	30	70	100	4	
(PRACTICAL/DRAWING/DESIGN)											
<u>EE-111L</u>	HV Engg. Lab - I	-	-	2	60	-	60	90	150	6	
<u>EE-112L</u>	HV Engg. Lab - II	-	-	2	60	-	60	90	150	6	
	Total	15	5	4	170	100	270	530	800	32	

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Scheme of Study and Examination (w.e.f. July 2010)

M.E. I Sem.

Branch : Electrical Engg.

Specialization : High Voltage & Power System Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-103</u>	Higher Engg. Mathematics	3	1	-	10	20	30	70	100	4
<u>EE-107</u>	Over-voltages in power System	3	1	-	10	20	30	70	100	4
<u>EE-108</u>	Power System Operation & Control	3	1	-	10	20	30	70	100	4
<u>EE-113</u>	Adv. Power System Protection Relay	3	1	-	10	20	30	70	100	4
<u>EE-110</u>	Generation & Measurement of HV	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>EE-114L</u>	HVPS Engg. Lab - I	-	-	2	60	-	60	90	150	6
<u>EE-115L</u>	HVPS Engg. Lab - II	-	-	2	60	-	60	90	150	6
Total		15	5	4	170	100	270	530	800	32

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M.E. I Sem. Branch : E & C Engg.

Specialization : Communication System Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-104</u>	Advanced Mathematics	3	1	-	10	20	30	70	100	4
<u>EC-101</u>	Introduction to Signal Analysis	3	1	-	10	20	30	70	100	4
<u>EC-102</u>	Digital Communication Networks	3	1	-	10	20	30	70	100	4
<u>EC-103</u>	Statistical Signal Processing	3	1	-	10	20	30	70	100	4
<u>EC-104</u>	Image Processing	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>EC-105L</u>	Signal & Image Processing Lab	-	-	2	60	-	60	90	150	6
<u>EC-106L</u>	Minor Project - I	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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M.E. I Sem. Branch : E & C Engg. Specialization : Microwave Engineering

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-104</u>	Advanced Mathematics	3	1	-	10	20	30	70	100	4
<u>EC-107</u>	Advanced Electromagnetic Theory	3	1	-	10	20	30	70	100	4
<u>EC-108</u>	Antenna Theory and Practice	3	1	-	10	20	30	70	100	4
<u>EC-109</u>	Microwave Solid State Devices	3	1	-	10	20	30	70	100	4
<u>EC-110</u>	Advance Digital Signal Processing	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>EC-111L</u>	Antenna Lab	-	-	2	60	-	60	90	150	6
<u>EC-112L</u>	Minor Project - I	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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M.E. Ist Sem. Branch : Mech. Engg.

Specialization : Heat Power

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-102</u>	Advanced Mathematics	3	1	-	10	20	30	70	100	4
<u>ME-101</u>	Advanced Thermodynamics	3	1	-	10	20	30	70	100	4
<u>ME-102</u>	Advanced Fluid Mechanics	3	1	-	10	20	30	70	100	4
<u>ME-103</u>	Heat Transfer	3	1	-	10	20	30	70	100	4
<u>ME-104</u>	Experimental Techniques in Thermal Engineering	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>ME-105L</u>	Heat Transfer & Fluid Mechanics Lab	-	-	2	60	-	60	90	150	6
<u>ME-106L</u>	Experimental Techniques & Simulation in Thermal Engineering Lab	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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M.E. Ist Sem. Branch : Mechanical Engg. Specialization : Machine Design

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOT			
<u>MA-102</u>	Advanced Mathematics	3	1	-	10	20	30	70	100	4
<u>ME-107</u>	Theory of Elasticity and Plasticity	3	1	-	10	20	30	70	100	4
<u>ME-108</u>	Material Science	3	1	-	10	20	30	70	100	4
<u>ME-109</u>	Fluid Film Lubrication	3	1	-	10	20	30	70	100	4
<u>ME-110</u>	Computer Aided Design and Drafting	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
<u>ME-111L</u>	Computer Aided Design and Drafting Lab	-	-	2	60	-	60	90	150	6
<u>ME-112L</u>	Solid Modeling Lab	-	-	2	60	-	60	90	150	6
	Total	15	5	4	170	100	270	530	800	32

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