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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)

B.E. Third Year

Branch : CIVIL ENGINEERING

Sem : Fifth

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
CE-18	Geotechnical Engineering - II	3	1	-	10	20	30	70	100	4
CE-20	Water Resources Engineering - I	3	1	-	10	20	30	70	100	4
CE-22	Fluid Mechanics - II	3	1	-	10	20	30	70	100	4
CE-25	Structural Analysis - I	3	1	-	10	20	30	70	100	4
CE-26	Structural Design - I (RCC)	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
CE-19L	Geotechnical. Engineering Lab - II	-	-	2	20	-	20	30	50	2
CE-21L	Hydrology Lab	-	-	2	20	-	20	30	50	2
CE-23L	Fluid Mechanics Lab - II	-	-	2	20	-	20	30	50	2
CE-27L	Structural Design (RCC) Lab - I	-	-	2	20	-	20	30	50	2
CE-24L	Industrial Training - I	-	-	2	50	-	50	-	50	2
CE-10L	Concrete Lab	-	-	2	50	-	50	-	50	2
	Total	15	5	12	230	100	330	470	800	32

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


Dr. SHAILJA SHUKLA
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Academics

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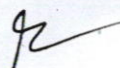
B.E. Third Year

Branch : COMPUTER SCIENCE & ENGINEERING

Sem : Fifth

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
IT-08	Computer Networks	3	1	-	10	20	30	70	100	4
CS-13	Software Engineering	3	1	-	10	20	30	70	100	4
CS-15	Principle of Programming Languages	3	1	-	10	20	30	70	100	4
CS-17	Operating System	3	1	-	10	20	30	70	100	4
EC-29	Microprocessor & Microcontroller	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
CS-14L	Software Engineering Lab	-	-	2	20	-	20	30	50	2
CS-18L	Operating System Lab	-	-	2	20	-	20	30	50	2
EC-30L	Microprocessor & Microcontroller Lab	-	-	2	20	-	20	30	50	2
IT-09L	Computer Networks Lab	-	-	2	20	-	20	30	50	2
CS-19L	Industrial Training – I	-	-	2	50	-	50	-	50	2
CS-47L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
	Total	15	5	12	230	100	330	470	800	32

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B.E. Third Year

Branch : ELECTRICAL ENGINEERING

Sem : Fifth

		Periods			EVALUATION SCHEME					Credits
Course Code	Subject	L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
EE- 18	Electrical & Electronics Instrumentation	3	1	-	10	20	30	70	100	4
EE-20	Electrical Machines - II	3	1	-	10	20	30	70	100	4
EE-22	Electromagnetic Theory	3	1	-	10	20	30	70	100	4
EE-25	Electrical Power Generation	3	1	-	10	20	30	70	100	4
EE-30	Power Electronics : Devices & Circuits	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
EE-19L	Electrical & Electronics Instrumentation Lab	-	-	2	20	-	20	30	50	2
EE-21L	Electrical Machines Lab - II	-	-	2	20	-	20	30	50	2
EE-31L	Power Electronics : Devices & Circuits Lab	-	-	2	20	-	20	30	50	2
EE-51L	Electrical Engineering Simulation Lab	-	-	2	20	-	20	30	50	2
EE-26L	Industrial Training – I	-	-	2	50	-	50	-	50	2
EE-61L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
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B.E. Third Year Branch : Electronics & Telecommunication Engineering Sem : Fifth

B.Tech Third Year										
Electronics & Telecommunication Engineering		Periods			EVALUATION SCHEME					Credits
Course Code	Subject	L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
					EC-17	Analog Communication	3	1	-	
EC-22	Analog Integrated Circuits	3	1	-	10	20	30	70	100	4
EC-23	Digital Signal Processing	3	1	-	10	20	30	70	100	4
EC-31	Microwave Engineering	3	1	-	10	20	30	70	100	4
EC-57	Computer System Organization	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
EC-18L	Analog Communication Lab	-	-	2	20	-	20	30	50	2
EC-24L	Digital Signal Processing Lab	-	-	2	20	-	20	30	50	2
EC-25L	Analog Integrated Circuits Lab	-	-	2	20	-	20	30	50	2
EC-32L	Microwave Engineering Lab	-	-	2	20	-	20	30	50	2
EC-26L	Industrial Training - I	-	-	2	50	-	50	-	50	2
EC-61L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
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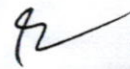
B.E. Third Year

Branch : INDUSTRIAL & PRODUCTION

Sem : Fifth

B.E. Third Year										
		Branch : INDUSTRIAL & PRODUCTION			Sem : VIII					
Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
IP-12	Operations Management	3	1	-	10	20	30	70	100	4
IP-13	Turbo Machines	3	1	-	10	20	30	70	100	4
IP-15	Metrology & Quality Control	3	1	-	10	20	30	70	100	4
IP-17	Tool Engineering & Machine Tools	3	1	-	10	20	30	70	100	4
IP-19	Metal Cutting Science	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
✓ IP-14L	Turbo Machine Lab	-	-	2	20	-	20	30	50	2
✓ IP-16L	Metrology & Quality Control Lab	-	-	2	20	-	20	30	50	2
✓ CS-42L	RDBMS Lab	-	-	2	20	-	20	30	50	2
✓ IP-18L	Tool Engineering and Machine Tool Lab	-	-	2	20	-	20	30	50	2
✓ IP-20L	Industrial Training - I	-	-	2	50	-	50	-	50	2
✓ IP-49L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
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B.E. Third Year Branch : INFORMATION TECHNOLOGY Sem : Fifth

B.E. Third Year		Branch : INFORMATION TECHNOLOGY					Sem : First			
Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
IT-08	Computer Networks	3	1	-	10	20	30	70	100	4
IT-10	Information Theory & Coding	3	1	-	10	20	30	70	100	4
CS-13	Software Engineering	3	1	-	10	20	30	70	100	4
CS-17	Operating System	3	1	-	10	20	30	70	100	4
IT-11	I.T. Enabled Services, Ethics & Management	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
IT-09L	Computer Networks Lab	-	-	2	20	-	20	30	50	2
CS-12L	Dot Net Lab	-	-	2	20	-	20	30	50	2
CS-14L	Software Engineering Lab	-	-	2	20	-	20	30	50	2
CS-18L	Operating System Lab	-	-	2	20	-	20	30	50	2
IT-12L	Industrial Training – I	-	-	2	50	-	50	-	50	2
IT-42L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
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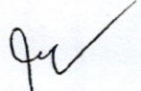
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B.E. Third Year

Branch : **MECHANICAL ENGINEERING**Sem : **Fifth**

		Periods			EVALUATION SCHEME					Credits
Course Code	Subject	L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
✓IP-38	Entrepreneurship and Management Concepts	3	1	-	10	20	30	70	100	4
✓ME-21A	Dynamics of Machines	3	1	-	10	20	30	70	100	4
✓ME-28A	Turbo Machinery	3	1	-	10	20	30	70	100	4
✓ME-30	Mechanical Measurement & Control	3	1	-	10	20	30	70	100	4
✓ME-37	Machine Component Design	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
ME-22L	Dynamics of Machines Lab	-	-	2	20	-	20	30	50	2
ME-31L	Mechanical Measurement & Control Lab	-	-	2	20	-	20	30	50	2
ME-38L	Machine Component Design Lab	-	-	2	20	-	20	30	50	2
CS-42L	RDBMS Lab	-	-	2	20	-	20	30	50	2
ME-64L	Self Study	-	-	2	50	-	50	-	50	2
ME-65L	Seminar/Group Discussion	-	-	2	50	-	50	-	50	2
	Total	15	5	12	230	100	330	470	800	32

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