



Department of Electrical Engineering
Rajasthan Technical University Kota

Scheme (session 2015-16 & 2016-17 admitted batches)

Semester- III

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Advanced Engg. Mathematics	DSC	3EEU01	50	100	150	3	1	0	4	4
Electronic Devices & Circuits	DCC	3EEU02	50	100	150	3	0	0	3	3
Transformer and Asynchronous Machines	DCC	3EEU03	50	100	150	3	0	0	3	3
Circuit Analysis	DCC	3EEU04	50	100	150	3	0	0	3	3
Digital Electronics	DCC	3EEU05	50	100	150	3	0	0	3	3
Generation of Electrical Power	DEC	3EEU06	50	100	150	3	0	0	3	3
Electronic Devices Lab	DCC	3EEU07	50	25	75	0	0	2	2	1
Electrical AC Machine Lab	DCC	3EEU08	50	25	75	0	0	2	2	1
Digital Electronics Lab	DCC	3EEU09	35	15	50	0	0	2	2	1
Electrical Circuits & Programming Lab	DCC	3EEU10	35	15	50	0	0	2	2	1
Humanities & Social Sciences	HSMC	3EEU11	35	15	50	0	0	2	2	1
Discipline & Extra-Curricular Activity		3EEU12			50	0	0	0	0	1
Sub Total					1250	18	1	10	29	25

IA- Internal Assessment, TE- Term Examination, L- Lecture, T- Tutorial, P- Practical



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Semester- IV

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Advanced Engineering Mathematics-II	DSC	4EEU01	50	100	150	3	1	0	4	4
Analog Electronics	DCC	4EEU02	50	100	150	3	0	0	3	3
Network Analysis and Synthesis	DCC	4EEU03	50	100	150	3	0	0	3	3
Electrical Measurements	DEC	4EEU04	50	100	150	2	0	0	2	2
Transmission and Distribution of Electrical Power	DCC	4EEU05	50	100	150	3	0	0	3	3
Electrical Machines	DCC	4EEU06	50	100	150	3	1	0	4	4
Analog Electronics Lab	DCC	4EEU07	50	25	75	0	0	2	2	1
Electrical Measurement Lab	DEC	4EEU08	50	25	75	0	0	2	2	1
Power System Design Lab	DCC	4EEU09	50	25	75	0	0	2	2	1
Electrical Machines Lab	DCC	4EEU10	50	25	75	0	0	3	3	2
Discipline & Extra Curricular Activity		4EEU12			50	0	0	0	0	1
Sub Total					1250	17	2	9	28	25

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Semester- V

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Power Electronics	DCC	5EEU01	50	100	150	3	1	0	4	4
Microprocessors and Microcontrollers	DCC	5EEU02	50	100	150	3	0	0	3	3
Control System	DCC	5EEU03	50	100	150	3	0	0	3	3
Utilization of Electric Power	DCC	5EEU04	50	100	150	3	0	0	3	3
Elective –I 1. EMFT 2. Restructured Power Systems	DEC	5EEU05.x	50	100	150	3	0	0	3	3
Elective -II 1. Optimization Techniques 2. High Voltage Engineering	DEC	5EEU06.x	50	100	150	3	1	0	4	2
Power Electronics Lab	DCC	5EEU07	50	25	75	0	0	3	3	2
Micro-processor Lab	DCC	5EEU08	50	25	75	0	0	3	2	2
System Simulation Lab		5EEU09	50	25	75	0	0	2	2	1
Professional Ethics and Disaster management Lab		5EEU10	50	25	75	0	0	2	2	1
Discipline & Extra-Curricular Activity		5EEU12			50	0	0	0	0	1
Sub Total					1250	18	1	10	29	25

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Semester- VI

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Modern Control theory	DCC	6EEU01	50	100	150	3	1	0	4	4
Computer Aided Design of Electrical Machines	DCC	6EEU02	50	100	150	3	0	0	3	3
Switchgear & Protection	DCC	6EEU03	50	100	150	3	0	0	3	3
Advanced Power Electronics	DCC	6EEU04	50	100	150	3	0	0	3	3
1. Smart Grid Technology 2. Power Quality	DEC	6EEU05.x	50	100	150	3	0	0	3	3
1. Power System Planning 2. Power System instrumentation	DEC	6EEU06.x	50	100	150	2	0	0	2	2
Advance Power Electronics Lab	DCC	6EEU07	50	25	75	0	0	3	3	2
Control Systems Lab	DCC	6EEU08	50	25	75	0	0	3	3	2
Power System Protection Lab	DCC	6EEU09	50	25	75	0	0	2	2	1
Entrepreneurship Development	DCC	6EEU10	50	25	75	0	0	2	2	1
Discipline & Extra-Curricular Activity		6EEU12			50	0	0	0	0	1
Sub Total					1250	17	1	10	28	25

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Semester- VII

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Power System Analysis	DCC	7EEU1	50	100	150	3	1	0	4	4
Economic Operation of Power System	DCC	7EEU2	50	100	150	3	1	0	4	4
Power System Engineering	DCC	7EEU3	50	100	150	3	0	0	3	3
Fact Device And Their Application	DCC	7EEU4	50	100	150	3	0	0	3	3
3. Industrial Electrical System 4. Line-Commutated and Active PWM Rectifiers 5. Wind & Solar Energy System	DEC	7EEU5.X	50	100	150	3	0	0	3	3
Computer Based Power System Lab	DCC	7EEU7	50	25	75	0	0	3	3	2
Power System Modelling And Simulation Lab	DCC	7EEU8	50	25	75	0	0	2	2	1
Industrial Economics And Management	DCC	7EEU9	50	25	75	0	0	2	2	1
Practical Training And Industrial visit	DCC	7EEU10	150	75	225	0	0	4	4	4
Discipline &Extra-CurricularActivity		7EEU12	50		50	0	0	0	0	1
Sub Total					1250	15	2	11	28	26

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Semester- VIII

Course Name	Type of Course	Course Code	Max. Marks			Contact Hours per Week				Credits
			IA	TE	SUM	L	T	P	SUM	
Electric Drives & Control	DCC	8EEU1	50	100	150	3	1	0	4	4
EHV AC/DC Transmission	DCC	8EEU2	50	100	150	3	1	0	4	4
1. Electrical and Hybrid Vehicles 2. Electrical Energy Conservation And Auditing 3. Power System Dynamics And Control	DCC	8EEU3.X	50	100	150	3	0	0	3	3
High Voltage Engineering Lab	DCC	8EEU7	50	25	75	0	0	2	2	1
Electrical Drives & Control Lab	DCC	8EEU8	50	25	75	0	0	2	2	1
SEMINAR	DCC	8EEU9	150	75	225	0	0	4	4	4
PROJECT	DCC	8EEU10	250	125	375	0	0	12	12	8
Discipline & Extra-Curricular Activity		8EEU12	50		50					1
Sub Total					1250	9	2	20	31	26

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