

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
THIRD SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule				Examination Schedule		Total	Credit Points
	L	T	P/D	Total	External	Internal		
MT-201 Mathematics-III	3	1	-	4	60	40	100	3.5
ET-201 Circuit Theory	3	1	-	4	60	40	100	3.5
ET-203 Analog Electronics	4	1	-	5	60	40	100	4.5
ET-205 Measurement & Instrumentation-I	3	1	-	4	60	40	100	3.5
ET-207 Electrical Machines-I	4	1	-	5	60	40	100	4.5
ET-209 Transmission & Distribution	3	1	-	4	60	40	100	3.5
ET-211 Electrical Machines Lab-I	-	-	3	3	40	60	100	1.5
ET-213 Measurements and Instrumentation Lab-I	-	-	2	2	40	60	100	1.0
ET-215 Analog Electronics Lab	-	-	2	2	40	60	100	1.0
ET-217 Computer Technique lab	-	-	2	2	40	60	100	1.0
Total	20	6	9	35				

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
FOURTH SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule				Examination Schedule		Total	Credit Points
	L	T	P/D	Total	External	Internal		
HUT-211 Organizational Behaviour	2	1	-	3	60	40	100	2.5
ET-202 Signals And Systems	3	1	-	4	60	40	100	3.5
ET-204 Electrical Machines-II	4	1	-	5	60	40	100	4.5
ET-206 Power Electronics-I	3	1	-	4	60	40	100	3.5
ET-208 Digital Electronics	3	1	-	4	60	40	100	3.5
ET-210 Fields and Waves	3	1	-	4	60	40	100	3.5
ET-212 Power Generation & Control	3	1	-	4	60	40	100	3.5
ET-214 Electrical Machines Lab-II	-	-	3	3	40	60	100	1.5
ET-216 Power Electronics Lab-I	-	-	2	2	40	60	100	1.0
ET-218 Digital Electronics Lab	-	-	2	2	40	60	100	1.0
Total	21	7	7	35				

Note: Students shall devote 6 weeks to Practical Training after Fourth Semester Examination

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
FIFTH SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule				Examination Schedule		Total	Credit Points
	L	T	P/D	Total	External	Internal		
ET-301 Network Analysis And Synthesis	4	1	-	5	60	40	100	4.5
ET-303 Power Electronics-II	3	1	-	4	60	40	100	3.5
ET-305 Power System Analysis	3	1	-	4	60	40	100	3.5
ET-307 Materials Components And Processes	2	1	-	3	60	40	100	2.5
ET-309 Control System	4	1	-	5	60	40	100	4.5
HUT-311 Business Management	3	1	-	4	60	40	100	3.5
ET-311 Power Electronics Lab-II	-	-	3	3	40	60	100	1.5
ET-313 Control System Lab	-	-	3	3	40	60	100	1.5
ET-315 Signals & Systems Lab	-	-	2	2	40	60	100	1.0
ET-317 Electrical Workshop	-	-	2	2	40	60	100	1.0
ET-319 Practical Training	-	-	-	-	40	60	100	3.0
Total	19	6	10	35				

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
SIXTH SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule				Examination Schedule		Total	Credit Points
	L	T	P/D	Total	External	Internal		
ET-302 Electric Drives	3	1	-	4	60	40	100	3.5
ET-304 Microprocessors and Microcontrollers	4	1	-	5	60	40	100	4.5
ET-306 Analog and Digital Communication	3	1	-	4	60	40	100	3.5
ET-308 Switchgear and Protection	3	1	-	4	60	40	100	3.5
ET-310 Advanced Programming And Software Engg.	4	1	-	5	60	40	100	4.5
ET-312 Measurements and Instrumentation-II	3	1	-	4	60	40	100	3.5
ET-314 Microprocessors Lab	-	-	2	2	40	60	100	1.0
ET-316 Power System Lab	-	-	2	2	40	60	100	1.0
ET-318 Electric Drives Lab	-	-	3	3	40	60	100	1.5
ET-320 Measurements and Instrumentation Lab-II	-	-	2	2	40	60	100	1.0
Total	20	6	9	35				

Note: Students shall devote 6 weeks Practical training after sixth semester examination outside the College Campus at approved works.

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
SEVENTH SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule			Total	Examination Schedule		Total	Credit points
	L	T	P/D		External	Internal		
ET-401 Computer Method in Power System	3	1	-	4	60	40	100	3.5
ET-403 Digital Signal Processing	3	1	-	4	60	40	100	3.5
ET-413,415,417,419 Deptt. Elective-I	3	1	-	4	60	40	100	3.5
ET-421,423,425,427 Deptt.Elective-I3 Open Elective-I	3	1	-	4	60	40	100	3.5
ET-405 Seminar-I	-	1	-	1	-	-	100	1.0
ET-407 Advance Programming & Software Engg.Lab	-	-	2	2	40	60	100	1.5
ET-409 Computer Methods in Power Systems Lab	-	-	2	2	40	60	100	1.5
ET-411 Minor Project	-	-	2	2	40	60	100	4.5
ET-429,431,433,435 Design Project-I	-	-	2	2				
ET-436,438,440,442 Major Project	-	-	1	1	40	60	100	4.5
ET-437 Inplant Training Report	-	-	-	-			100	3.0
Total	15	6	9	30				

**SCHEME OF EXAMINATION FOR B.TECH DEGREE COURSE
ELECTRICAL ENGINEERING
EIGHTH SEMESTER EXAMINATION**

Course Subject No	Teaching Schedule			Total	Examination Schedule		Total	Credit points
	L	T	P/D		External	Internal		
ET-402 System Engg. & Reliability	3	1	-	4	60	40	100	3.5
ET-404 High Voltage Engg.	3	1	-	4	60	40	100	3.5
ET-412,414,416,418 Deptt. Elective -III	3	1	-	4	60	40	100	3.5
ET-420,422,424,426 Deptt. Elective-IV	3	1	-	4	60	40	100	3.5
Open Elective-II	4	-	-	4	60	40	100	3.5
ET-406 Seminar-II	-	1	-	1	-	-	100	1.0
ET-408 High Voltage Engg. Lab	-	-	3/2	3/2	40	60	100	1.0
ET-410 Reliability Engg. Lab	-	-	3/2	3/2	40	60	100	1.0
ET-428,430,432,434 Major Project	-	-	4	4	40	60	100	12.0
ET-436,438,440,442 Design Project -II	-	-	2	2	40	60	100	4.5
ET-444 Comprehensive Viva-voce	-	-	-	-	-	-	100	3.0
ET-446 General Fitness & Professional Aptitude	-	-	-	-	-	-	100	3.0
Total	15	6	9	30				

Departmental Electives and Projects for Seven and Eight Semesters B.Tech. Electrical Engineering

	Group A (Power Apparatus and Systems)	Group B (Computer Applications)	Group C (Information & Control)	Group D (Electronics & Instrumentation)
Departmental Elective-I	ET-413 Control Theory	ET-415 Computer Organisation & Architecture	ET-417 Information Technology	ET-419 Digital System Design
Departmental Elective-II	ET-421 Electrical Machine Design	ET-423 Problem Solving. Data Structure & Algorithms	ET-425 Digital & Non-linear Control Systems	ET-427 Biomedical & Analytical Instrumentation
Departmental Elective-III	ET-412 Utilization of Electrical Energy & Electric traction	ET-414 System Analysis & Data Base Management	ET-416 Data Communication & Networks	ET-418 Advanced Instrumentation
Departmental Elective-IV	ET-420 Electrical Machine-III	ET-422 Advances in Computers	ET-424 Optimal & Industrial Control	ET-426 Microprocessors & Microcontrollers-II
Design Project-I	ET-429	ET-431	ET-433	ET-435
Design Project-II	ET-428	ET-430	ET-432	ET-434
Major Project	ET-436	ET-438	ET-440	ET-442