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5th Semester — Complete Examination Scheme

BTEUP Diploma in Electrical Engineering • 5th Semester • Session 2026-27
Semester total 650 Marks • 20 Credits • (Q) = qualifying only, marks not counted for percentage/division

About this document: The full 5th-semester study and evaluation scheme as printed in the curriculum. (Q) subjects are compulsory to appear and pass, but their marks are not included for percentage and division.

Examination Scheme

Code	Paper	Type	L - P	Credits	Internal	External	Total
5.1	Switch Gear and Protection	Theory	3 - 0	4	40	60 (3 hrs)	100
5.2	Program Elective-3	Theory	3 - 0	3	40	60 (3 hrs)	100
5.3	Energy Conservation and Audit	Practicum	2 - 4	4	60	40 (3 hrs)	100
5.4	Program Elective-4	Practicum	1 - 4	3	60	40 (3 hrs)	100
5.5	Indian Constitution (Q)	Audit Course	2 - 0	—	50	—	N/A
5.6	Electrical Estimation and Contracting	Practicum	2 - 4	4	60	40 (3 hrs)	100
5.7		Internship	—	2	60		100

	Summer Internship (6 Weeks)					40 (3 hrs)	
#	Student Centred Activities (SCA)	Activity	0 – 10	—	50	—	50
5th Semester Total				20	370	280	650

Program Elective-3 (5.2) — Options

(1) Solar Power Technologies; (2) Electric Traction.

Program Elective-4 (5.4) — Options

(1) Electrical Testing and Commissioning; (2) Illumination Practices.

Summer Internship (5.7) — 6 Weeks, 100 Marks

Six weeks of industrial training, mandatory after the IV semester during the summer vacation. Students present a seminar/viva on their summer internship along with certificate, project and report. Internal assessment 60, external assessment 40 (3 hrs).

Student Centred Activities (SCA) — 50 Marks

Co-curricular activities like extension lectures, games, hobby clubs (e.g. photography), seminars, declamation contests, educational field visits, N.C.C., NSS, library, cultural activities and self-study. Marks distribution: 15 marks general behaviour and discipline; 10 marks attendance (75–80% = 6, 80–85% = 8, above 85% = 10); odd-semester activities (25 marks maximum): Language Lab Practices / foreign language practices, Group Discussion and Personality Development, Industrial Visits/Industrial Talks, Power Point Presentations and Resume Making, Development of Aptitude and Reasoning Skills, participation in technical exhibitions, symposiums, seminars, workshops at institute/district/state/national level.

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Source: BTEUP 3rd Year curriculum (folder2627), approved in C.D.C. meeting held on 16.07.2026. Topic lists follow the official syllabus; short explanations are the author's own plain-English summaries, not syllabus text.

Please confirm with your own polytechnic for any local changes.