



KAMALDNP

kamaldnp.com • IT Training, Varanasi

PDF created by Raj Kamal using AI

4th Semester — Complete Examination Scheme

BTEUP Diploma in Electrical Engineering • 4th Semester • Session 2026-27
Semester total 650 Marks • 20 Credits • (Q) = qualifying only, marks not counted for percentage/division

Please note — cover year vs approval: BTEUP's own file for this curriculum prints "YEAR 2025-2026" on its cover, while carrying the approval line "UPDATED AND APPROVED BY BOARD OF TECHNICAL EDUCATION U.P. LUCKNOW IN C.D.C MEETING HELD ON 16.07.2026" on every page. It is filed in BTEUP's 2026-27 folder (folder2627), so it is treated here as the 2026-27 syllabus on the strength of that approval. The scheme it carries is identical, subject for subject and mark for mark, to the 2025-26 scheme.

About this document: The full 4th-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
4.1	Electric Power Transmission and Distribution	Theory	3 - 0	3	40	60 (3 hrs)	100
4.2	Electric Machine- II	Theory	3 - 0	3	40	60 (3 hrs)	100

4.3	Fundamentals of Power Electronics	Practicum	2 – 4	4	60	40 (3 hrs)	100
4.4	Program Elective -1	Practicum	1 – 4	3	60	40 (3 hrs)	100
4.5	Program Elective -2	Theory	3 – 0	3	40	60 (3 hrs)	100
4.6	Electric Machine- II (Lab)	Practical	0 – 4	2	60	40 (3 hrs)	100
4.7	Advance Skill Development (Open Elective-2) (Q)	Theory	2 – 0	2	50	—	NA
4.8	Essence of Indian Knowledge and Tradition (Q)	Audit Course	2 – 0	—	50	—	NA
#	Student Centred Activities (SCA)	Activity	0 – 8	—	50	—	50
4th Semester Total				20	350	300	650

Program Elective-1 (4.4) — Options

(1) Industrial Automation and Control; (2) Industrial Instrumentation and Condition Monitoring.

Program Elective-2 (4.5) — Options

(1) Renewable Energy Power Plants; (2) Biomass and Micro-Hydro Power Plants.

Open Elective-2 (4.7) — Options

Theory courses (choose one): (1) Economic Policies in India; (2) Mechatronics.

Certification courses (choose one, not less than 20 hrs, offline/online, from agencies of repute): courses conducted by Centre of Excellence (e.g. Tata Technologies — see Annexure 1), Infosys Springboard, TCS iON, other relevant government / international / national organisations or platforms of repute, AICTE-ELIS and Centrally Funded Technical Institutes, C-DAC, NIELIT.

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); 25 marks maximum for Sports/NCC/Cultural/Co-curricular/NSS activities (25 = State/National level participation, 20 = participation in two of the above activities, 15 = Inter-Polytechnic level participation).

KAMALDNP • kamaldnp.com • support@kamaldnp.com • +91 8318013442 • Varanasi, UP

Source: BTEUP 2nd Year curriculum (folder2627) — cover prints YEAR 2025-2026, but the approval line 'UPDATED AND APPROVED BY BOARD OF TECHNICAL EDUCATION U.P. LUCKNOW IN C.D.C MEETING HELD ON 16.07.2026' appears on every page (95 times); treated as the 2026-27 curriculum. 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.

