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Essence of Indian Knowledge and Tradition — Complete Syllabus

BTEUP Diploma in Electronics Engineering • 4th Semester • Session 2026-27
Subject 4.8 — Audit Course (Theory) • Qualifying (Q) • 50 Marks Internal • No Credits • L
2 – P 0

Examination Scheme

Code	Paper	Type	L - P	Credits	Internal	External	Total
4.8	Essence of Indian Knowledge and Tradition (Q)	Audit Course	2 - 0	—	50	—	N/A (Q)
Essence of Indian Knowledge and Tradition Total				—	50	—	N/A (Q)

What This Subject Aims To Do

To understand the fundamental aspects of the Indian Knowledge System, its integration with modern science, principles of Yoga and holistic healthcare, and practical applications in contemporary contexts.

Unit-Wise Complete Topic List

Unit	Topic	Periods	Marks Share
1	Introduction to Indian Knowledge System	7	40%
2	Modern Science and Indian Knowledge System	7	30%

3	Yoga and Holistic Healthcare	7	15%
4	Case Studies / Assignment	7	15%

Unit 1 — Introduction to Indian Knowledge System (7 Periods, 40%)

Topics: Overview of Indian Knowledge System. Importance and relevance. Introduction to the Vedas. Upavedas. Vedangas. Upangas

In simple words: The Indian Knowledge System: its importance and relevance, and its core texts — the Vedas, Upavedas, Vedangas and Upangas.

Unit 2 — Modern Science and Indian Knowledge System (7 Periods, 30%)

Topics: Relevance of Science and Spirituality, Science and Technology in Ancient India,

In simple words: How science and spirituality relate, and what ancient India contributed to science and technology.

Unit 3 — Yoga and Holistic Healthcare (7 Periods, 15%)

Topics: Basic principles of Yoga. Benefits of holistic healthcare practices. Integration with modern healthcare

In simple words: Yoga's basic principles, the benefits of holistic healthcare, and how it integrates with modern medicine.

Unit 4 — Case Studies / Assignment (7 Periods, 15%)

Topics: Practical Applications / Case studies demonstrating the relevance of Indian Knowledge System in modern times

In simple words: Case studies showing how the Indian Knowledge System still matters today.

Student Centred Activities (SCA) — 4th Semester, 50 Marks

SCA in the 4th semester carries 5 periods per week and 50 marks (internal only). Maximum marks 50, distributed as: (i) 15 marks for general behaviour and discipline (by HODs in consultation with all teachers of the department); (ii) 10 marks for attendance — 75-80% = 6 marks, 80-85% = 8 marks, above 85% = 10 marks; (iii) 25 marks maximum in an even semester for Sports/NCC/Cultural/Co-curricular/NSS activities — State/National level participation, participation in two of the above activities, or Inter-Polytechnic level participation. SCA comprises co-curricular activities such as extension lectures, games, hobby

clubs (e.g. photography, painting, singing), seminars, declamation contests, educational field visits, NCC, NSS, library work, cultural activities and self-study.

Reference Books

Reference books are not listed for this subject in the official syllabus.

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Source: BTEUP 2nd 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.

