

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ENGINEERING
EQUIVALENT PAPERS
B.TECH ELECTRONICS AND INSTRUMENTATION
2006 Scheme and 2012 Scheme

SEMESTER I& II (Common to all branches)

Code No.	Subject (2006)	Code No.	Subject (2012)
101	Engineering Mathematics I	1101	Engineering Mathematics I
102	Engineering Physics	1102	Engineering Physics
103	Engineering Chemistry	1103	Engineering Chemistry
104	Engineering Mechanics	1104	Engineering Mechanics
105	Engineering Graphics	1105	Engineering Graphics
106	Basic Civil & Mechanical Engineering	1106	Basic Civil & Mechanical Engineering
107	Basic Electrical Engineering & Electronics	1107	Basic Electrical & Electronics Engineering
108	Computer Programming	1108	Computer Programming
109	Technical Communication & Social Sciences	1109	Environmental Studies and Technical Communication
110	Computer Programming Lab	1110	Computer Programming Laboratory
111	Electrical & Mechanical Workshops	1111	Electrical & Mechanical Workshops

Semester III

Code No.	Subject (2006)	Code No.	Subject (2012)
CE/CS/EB/EC/EE/EI/IT/ME/SE/FT 301	Engineering Mathematics II	1301	ENGINEERING MATHEMATICS II
EB/EC/EI/IT/ME 302	Electrical Technology		NO EQUIVALENT PAPER
EC/EI 303	Network Theory	EC/EI 1303	NETWORK THEORY
EB/EC/EI304	Digital Electronics	EI 1304	DIGITAL SYSTEMS
EC/EI 305	Solid State Electronics	EC/EI 1305	SOLID STATE ELECTRONICS
EC/EI 306	Electronic Circuits I	EC/EI 1306	ELECTRONIC CIRCUITS I
EB/EC/EI 307	Basic Electronics Laboratory	EC/EI13L1	BASIC ELECTRONICS LABORATORY
EB/EC/EI 308	Electrical Machines Laboratory		NO EQUIVALENT PAPER

Semester IV

Code No.	Subject (2006)	Code No.	Subject (2012)
CE/CS/EB/EC/EE/ EI/IT/ME/SE/FT 401	Engineering Mathematics III	1401	ENGINEERING MATHEMATICS III
CS/EB/EC/EI 402	Microprocessors		NO EQUIVALENT PAPER
EC/EI 403	Electronic Circuits II	EC/EI 1403	ELECTRONIC CIRCUITS II
EC/EI 404	Signals and Systems		NO EQUIVALENT PAPER
EI 405	Principles of Measurement and Instrumentation	EI 1405	ELECTRONIC INSTRUMENTATION & MEASUREMENTS
EB/EC/EE/EI 406	Industrial and Power Electronics	EI 1406	POWER ELECTRONIC SYSTEMS
CS/EB/EC/EE/EI 407	Digital Electronics Laboratory	EC/EI13L2	DIGITAL ELECTRONICS LABORATORY
EI 408	Electronic Circuits Laboratory	EI14L2	ELECTRONIC CIRCUITS LABORATORY

Semester V

Code No.	Subject (2006)	Code No.	Subject (2012)
CE/CS/EB/EC/EE/ EI/IT/ME/SE/FT 501	Engineering Mathematics IV	1501	ENGINEERING MATHEMATICS IV
EI 502	Industrial Instrumentation I	EI 1503	INDUSTRIAL INSTRUMENTATION – I
EC/EI 503	Digital System Design		NO EQUIVALENT PAPER
EC/EI 504	Advanced Microprocessors	EI 1504	MICROPROCESSORS & MICROCONTROLLERS
EC/EI 505	Micro Electronics & Integrated Circuits	EC/EI 1505	ANALOG AND INTEGRATED CIRCUITS
EC/EI 506	Digital Signal Processing	EC/EI 1506	DIGITAL SIGNAL PROCESSING
CS/EB/EC/EI 507	Microprocessor Laboratory	EI15L1	MICROPROCESSOR LABORATORY
EI 508	Instrumentation Laboratory I	EI16L1	Instrumentation Laboratory

Semester VI

Code No.	Subject (2006)	Code No.	Subject (2012)
EI 601	Communication Engineering	EI 1601	COMMUNICATION ENGINEERING
EI 602	Process Control Instrumentaion I		NO EQUIVALENT PAPER
EC/EI 603	VLSI Design	EI1705E4	VLSI DESIGN
EI 604	Industrial Instrumentation II		NO EQUIVALENT PAPER
CS/EB/EC/EI 605	Control Systems Engineering	EI 1605	CONTROL SYSTEMS
EC/EI 606	Embedded Systems	EI1705E1	EMBEDDED SYSTEMS
EI 607	Instrumentation Laboratory II	EI16L1	INSTRUMENTATION LABORATORY

Semester VII

Code No.	Subject (2006)	Code No.	Subject (2012)
CS/EB/EC/EE/EI/ IT 701	Industrial Organization & Management	1701	INDUSTRIAL ORGANIZATION AND MANAGEMENT
EI 702	Process Control Instrumentation II	EI 1703	AUTOMATIC PROCESS CONTROL
EC/EI 703	Computer Commucation.& Networks		NO EQUIVALENT PAPER
EI 704	Analytical Instrumentation		NO EQUIVALENT PAPER
EC/EI705A	INTELLIGENT SYSTEMS		NO EQUIVALENT PAPER
EI 705 B	TELEMETRY AND REMOTE CONTROL		NO EQUIVALENT PAPER
EI 705 C	POWR PLANT INSTRUMENTATION	EI 1802	POWER PLANT INSTRUMENTATION
EB/EC/EI 705 D	MECHATRONICS		NO EQUIVALENT PAPER
EI705E	Artificial Intelligence and Expert Systems		NO EQUIVALENT PAPER
EC/EI 706	Signal Processing Laboratory	EII7L1	SIGNAL PROCESSING LABORATORY
EI 707	Process Control Laboratory	EII7L2	PROCESS CONTROL LABORATORY

Semester VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
EI 801	Instrumentation System Design		NO EQUIVALENT PAPER
EI 802	Biomedical Instrumentation	EI 1801	BIOMEDICAL INSTRUMENTATION
EI 803	Optoelectronic Instrumentation	EI 1704	OPTICAL INSTRUMENTATION
CS/EC/EE/EI804A	Digital Image Processing	EI 1606 E2	Digital Image Processing
EI804B	Advanced Analytical Techniques		NO EQUIVALENT PAPER
EC/EI804C	ASIC Design		NO EQUIVALENT PAPER
EI 804 D	Audio and Video Systems		NO EQUIVALENT PAPER
EI804E	Advanced Biomedical Instruments		NO EQUIVALENT PAPER