

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENGINEERING

EQUIVALENT PAPERS-B.TECH 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

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ENGINEERING
EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 301	Engineering Mathematics II	CS 1301	Engineering Mathematics II
CS 302	Logic Design	CS 1302	Logic Design
CS 303	Discrete Computational Structures	CS 1303	Discrete Computational Structures
CS 304	Object Oriented Programming	CS 1304	Object Oriented Programming
CS 305	Principles of Programming Languages	CS 1305	Principles of Programming Languages
CS 306	Electronic Devices and Circuits	CS 1306	Electronic Devices and Circuits
CS 307	Electronic Circuits Laboratory	CS 13L1	Electronic Circuits Laboratory
CS 308	Object Oriented Programming Lab	CS 13L2	Object Oriented Programming Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 401	Engineering Mathematics III	CS 1401	Engineering Mathematics III
CS 402	Microprocessors	CS 1402	Microprocessors
CS 403	Computer Architecture & Organization	CS 1403	Computer Architecture & Organization
CS 404	Automata, Languages and Computation	CS 1404	Automata, Languages and Computation
CS 405	Data Structures and Algorithms	CS 1405	Data Structures and Algorithms
CS 406	Data Communication	CS 1406	Data Communications
CS 407	Digital Electronics Lab	CS 14L1	Digital Electronics Laboratory
CS 408	Data Structures Lab	CS 14L2	Data Structures Laboratory

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 501	Engineering Mathematics IV	CS 1501	Engineering Mathematics IV
CS 502	Systems Programming	CS 1502	System Programming
CS 503	Software Engineering	CS 1503	Software Engineering
CS 504	Computer Graphics	CS 1504	Computer Graphics
CS 505	Database Management System	CS 1505	Database Management Systems
CS 506	Microprocessor Based System Design	CS 1506	Microprocessor Based System Design
CS 507	Microprocessor Lab	CS 15L1	Microprocessor Laboratory
CS 508	Computer Graphics Lab	CS 15L2	Computer Graphics Laboratory

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 601	Compiler Construction	CS 1602	Compiler Construction
CS 602	Digital Signal Processing	CS 1601	Digital Signal Processing
CS 603	Operating Systems	CS 1603	Operating Systems
CS 604	Analysis and Design of Algorithms	CS 1704	Analysis and Design of Algorithms
CS 605	Control Systems Engineering	CS 1605	Modern Control Systems
CS 606	Computer Networks	CS 1604	Computer Networks
CS 607	System Programming and Hardware Lab	CS 16L1	System Programming and Hardware Laboratory
CS 608	Mini Project	CS 16L2	Mini Project

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 701	Industrial Organization & Management	CS 1701	Industrial Organization & Management
CS 702	Advanced Architecture and Parallel Processing	CS 1801	Advanced Architecture and Parallel Processing
CS 703	Advanced Computer Networks	CS 1703	Advanced Computer Networks
CS 704	Distributed Computing	CS 1803	Distributed Computing
CS 705A	Embedded Systems	CS 1606 E4	Embedded Systems
CS 705B	Information Retrieval	CS 1705 E2	Information Retrieval
CS705C	Artificial Neural Networks	CS 1705 E4	Neural Networks
CS 705D	Web Commerce Technologies	IT 1801	Electronic Business and Services
CS 706	Language Processor Lab	CS 17L1	Language Processors Laboratory
CS 707	Network and Operating Systems Lab	CS 17L2	Networks and Operating Systems Laboratory
CS 708	Seminar	CS 17L4	Seminar
CS 709	Project Design	CS 17L3	Project Design

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
CS 801	Security in Computing	CS 1606 E3	Security in Computing
CS 802	Artificial Intelligence	CS 1702	Artificial Intelligence
CS 803	Object Oriented Modelling & Design	CS 1802	Object Oriented Modelling & Design
CS 804A	Digital Image Processing	EC 1606 E2	Digital Image Processing
CS 804B	Bioinformatics	IT 1606 E1	Bioinformatics
CS 804C	Software Architecture	CS 804C	Software Architecture (2006 scheme)
CS 804D	Mobile Computing	CS 1804 E3	Mobile Computing
CS 805	Project Work	CS 18L1	Project
CS 806	Viva-Voce	CS 18L2	Viva-Voce

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENGINEERING

EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme

(ELECTRONICS & COMMUNICATION ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 301	Engineering Mathematics II	EC 1301	Engineering Mathematics II
EC 302	Electrical Technology	IT 1302	Electrical Technology
EC 303	Network Theory	EC 1303	Network Theory
EC 304	Digital Electronics	EC 1304	Digital Electronics
EC 305	Solid State Electronics	EC 1305	Solid State Electronics
EC 306	Electronic Circuits-I	EC 1306	Electronic Circuits-I
EC 307	Basic Electronics Laboratory	EC 13L1	Basic Electronics Laboratory
EC 308	Electrical Machines Laboratory	ME 14L1	Electrical Machines Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 401	Engineering Mathematics-III	EC 1401	Engineering Mathematics III
EC 402	Microprocessors	EC 1402	Microprocessors: Architecture and Programming
EC 403	Electronics Circuits II	EC 1403	Electronics Circuits II
EC 404	Signals and Systems	EC 1404	Signals and Systems
EC 405	Analog Communication	EC 1405	Communication Engineering I
EC 406	Industrial and Power Electronics	EE 1406	Industrial and Power Electronics
EC 407	Digital Electronics Laboratory	EC 13L2	Digital Electronics Laboratory
EC 408	Electronic Circuits Laboratory I	EC 14L2	Electronic Circuits Laboratory I

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 501	Engineering Mathematics IV	EC 1501	Engineering Mathematics IV
EC 502	Electromagnetic Theory	EC 1502	Electromagnetic Theory
EC 503	Digital System Design	EC 1406	Digital System Design
EC 504	Advanced Microprocessors	EI 1504	Microprocessors & Microcontrollers
EC 505	Micro Electronics & Integrated Circuits	EC 1505	Analog & Integrated Circuits
EC 506	Digital Signal Processing	EC 1506	Digital Signal Processing
EC 507	Microprocessor Laboratory	EC 14L1	Microprocessor Laboratory
EC 508	Electronic Circuits Laboratory II	EC 15L2	Electronic Circuits Laboratory II

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 601	Digital Communication	EC 1504	Communication Engineering II
EC 602	Microwave Techniques & Devices	EC 1602	Microwave Techniques & Devices
EC 603	VLSI Design	EC 1603	VLSI Design
EC 604	Electronic Measurements and Instrumentation	EC 1601	Electronic Measurements and Instrumentation
EC 605	Control Systems Engineering	EC 1605	Control Systems Engineering
EC 606	Embedded Systems	EC 1503	Embedded Systems
EC 607	Communication Laboratory I	EC 16L2	Communication Laboratory I
EC 608	Mini Project	EC 15L1	Mini Project

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 701	Industrial Organization & Management	EC 1701	Industrial Organization & Management
EC 702	Radio Communication	EC 1604	Communication Engineering III
EC 703	Computer Communication and Networks	EC 1803	Computer Communication and Networking
EC 704	Electronic Product Design	EC 1703	Electronic Product Design
EC 705 A	Intelligent Systems	EC 705 A	Intelligent Systems (2006 Scheme)
EC 705 B	Fundamentals of RF Design	EC 705 B	Fundamentals of RF Design (2006 Scheme)
EC 705 C	Hardware Modeling	EC 1606 E3	Hardware Modeling
EC 705 D	Mechatronics	EC 1705 E4	Mechatronics
EC 706	Signal Processing Laboratory	EC 16L1	DSP Laboratory
EC 707	Communication Laboratory II	EC 17L2	Communication Laboratory II
EC 708	Seminar	EC 17L4	Seminar
EC 709	Project Design	EC 17L3	Project Design

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
EC 801	Audio and Video Engineering	EC 1801	Multimedia Communication Systems
EC 802	Communication Systems	EC 1802	Wireless Communication
EC 803	Opto Electronics & Communication	EC 1606 E1	Optical Fibre Communication
EC 804 A	Digital Image Processing	EC 1606 E2	Digital Image Processing
EC 804 B	Bioinformatics	IT 1606 E1	Bioinformatics
EC 804 C	ASIC Design	EC 1804 E3	ASIC Design
EC 804D	Mixed Signal System Design	EC 804D	Mixed Signal System Design (2006 Scheme)
EC 805	Project Work	EC 18L1	Project
EC 806	Viva-Voce	EC 18L2	Viva-Voce

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENGINEERING

EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme

(ELECTRICAL & ELECTRONICS ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 301	Engineering Mathematics II	EE 1301	Engineering Mathematics II
EE 302	Fluid Mechanics & Heat Engines	EE 1303	Fluid Mechanics & Heat Engines
EE 303	Strength of Materials	CE 1303	Strength of Materials
EE 304	Electric Circuit Theory	EE 1304	Circuits, Signals and Systems I
EE 305	Electrical Measurements and Measuring Instruments	EE 1305	Electrical Measurements and Measuring Instruments
EE 306	Electronic Devices and Circuits	EE 1306	Electronic Devices and Circuits
EE 307	Electronic Circuits Lab	EE 13L1	Electronic Circuits Lab
EE 308	Basic Electrical Engineering Lab	EE 13L2	Basic Electrical Engineering Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 401	Engineering Mathematics - III	EE 1401	Engineering Mathematics - III
EE 402	Logic Design	EE 1402	Digital Electronics
EE 403	Electrical Machines I	EE 1403	Electrical Machines I
EE 404	Linear System Analysis	EE 1404	Circuits, Signals and Systems II
EE 405	Analog Communication	EE 1405	Analog Communication
EE 406	Industrial & Power Electronics	EE 1406	Industrial & Power Electronics
EE 407	Digital Electronics Lab	EE 14L1	Digital Electronics Lab
EE 408	Electrical Measurements Lab	EE 14L2	Electrical Measurements Lab

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 501	Engineering Mathematics IV	EE 1501	Engineering Mathematics IV
EE 502	Electrical Machines II	EE 1502	Electrical Machines II
EE 503	Field Theory	EE 1506	Field Theory
EE 504	Engineering Material Science	EE 1302	Material Science
EE 505	Microprocessor Based Systems	EE 1504	Microprocessor Based Systems
EE 506	Linear Integrated Circuits	EE 1505	Linear Integrated Circuits
EE 507	Electrical Machines I Lab	EE 15L1	Electrical Machines Lab I
EE 508	Power Electronics Lab	EE 16L1	Power Electronics Lab

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 601	Power Systems I	EE 1503	Power Systems I
EE 602	Digital Signal Processing	EE 1603	Modern Digital Signal Processing
EE 603	Control Systems I	EE 1605	Control System I
EE 604	Electrical Drawing	EE 1602	Electrical Drawing
EE 605	Modern Communication Engineering	EE 1601	Modern Communication Engineering
EE 606	Electrical Machines III	EE 1604	Electrical Machines III
EE 607	Microprocessor Lab	EE 15L2	Microprocessor & Microcontroller Lab
EE 608	Mini Project	EE 16L2	Mini Project

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 701	Industrial Organization and Management	EE 1701	Industrial Organization and Management
EE 702	Design Estimation & Costing	EE 1702	Design Estimation & Costing
EE 703	Power Systems II	EE 1703	Power Systems II
EE 704	Control Systems II	EE 1704	Control Systems II
EE 705 A	Computer Communications	EC 1803	Computer Communications and Networking
EE 705 B	High Voltage DC Transmission	EE 1705 E2	High Voltage DC & Extra High Voltage AC
EE 705 C	Neural Network and Fuzzy Logic	EE 1705 E3	Soft Computing
EE 705 D	Optimal Control Theory	EE 705 D	Optimal Control Theory (2006 Scheme)
EE 706	Electrical Machines II Lab	EE 17L1	Electrical Machines Lab II
EE 707	Advanced Electrical Engineering Lab	EE 17L2	Advanced Electrical Engineering Lab
EE 708	Seminar	EE 17L4	Seminar
EE 709	Project Design	EE 17L3	Project Design

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
EE 801	Electrical Machine Design	EE 1802	Electrical Machine Design
EE 802	Power Systems III	EE 1803	Power Systems III
EE 803	Electronic Instrumentation	EE 1801	Electronic Instrumentation
EE 804A	Digital Image Processing	EE 1606 E3	Image Processing
EE 804 B	Renewable Sources of Energy	EE 1606 E4	Non Conventional & Renewable Energy Sources
EE 804 C	Flexible AC Transmission	EE 1804 E3	Flexible AC Transmission Systems
EE 804 D	VLSI Design	EC 1603	VLSI Design (2006)
EE 805	Project Work	EE 18L1	Major Project
EE 806	Viva-Voce	EE 18L2	Viva-Voce

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ENGINEERING
EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme
(MECHANICAL ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 301	Engineering Mathematics II	ME 1301	Engineering Mathematics II
ME 302	Electrical Technology	ME 1302	Electrical Technology
ME 303	Mechanics of Solids	ME 1303	Mechanics of Solids
ME 304	Fluid Mechanics	ME 1304	Fluid Mechanics
ME 305	Metallurgy & Material Science	ME 1305	Metallurgy & Material Science
ME 306	Machine Drawing	ME 1306	Machine Drawing
ME 307	Strength of Materials Lab	ME 13L1	Strength of Materials Lab
ME 308	Fluid Mechanics Lab	ME 13L2	Fluid Mechanics Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 401	Engineering Mathematics - III	ME 1401	Engineering Mathematics - III
ME 402	Industrial Electronics	ME 1403	Mechatronics
ME 403	Advanced Mechanics of Solids	ME 1606 E2	Advanced Mechanics of Solids
ME 404	Applied Thermodynamics	ME 1404	Applied Thermodynamics
ME 405	Hydraulic Machinery	ME 1405	Hydraulic Machinery
ME 406	Manufacturing Process	ME 1406	Manufacturing Process
ME 407	Electrical Lab	ME 14L1	Electrical Machines Lab
ME 408	Computational Lab	ME 15L1	Computational Methods Lab

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 501	Engineering Mathematics IV	ME 1501	Engineering Mathematics IV
ME 502	Metrology & Machine Tools	ME 1503	Machine Tools & Machining Science
ME 503	Mechanics of Machinery	ME 1502	Mechanics of Machinery
ME 504	Thermal Engineering	ME 1504	Thermal Engineering
ME 505	Power Plant Engineering	ME 1506	Power Plant Engineering
ME 506	Industrial Management	ME 1505	Industrial Management
ME 507	Hydraulic Machinery Lab	ME 14L2	Hydraulic Machinery Lab
ME 508	Machine Shop	ME 15L2	Machine Shop

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 601	Instrumentation & Control Systems	ME 1402	Metrology & Instrumentation
ME 602	Dynamics of Machinery	ME 1601	Dynamics of Machinery
ME 603	Machine Design I	ME 1602	Machine Design I
ME 604	Heat & Mass Transfer	ME 1604	Heat & Mass Transfer
ME 605	Tool Engineering & Design	ME 605	Tool Engineering & Design (2006 Scheme)
ME 606	CAD - CAM	ME 1605	CAD /CAM
ME 607	Thermal Engineering Lab	ME 1612	Thermal Engineering Lab
ME 608	Metrology & Measurements Lab	ME 1712	Metrology & Measurements Lab

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 701	Operations Research	ME 1803	Operations Research
ME 702	Vibration & Noise Control	ME 1702	Vibration & Noise Control
ME 703	Machine Design II	ME 1703	Machine Design II
ME 704	Refrigeration & Air-Conditioning	ME 1701	Refrigeration & Air-Conditioning
ME 705 A	Aerospace Engineering	ME 1705 E1	Aerospace Engineering
ME 705 B	Finite Element Method	ME 1705 E2	Finite Element Method
ME 705 C	Advanced Engineering Materials	ME 1606 E4	Advanced Engineering Materials
ME 705 D	Quality Engineering	ME 1705 E3	Quality Engineering
ME 706	HMT Lab	ME 17L1	Heat & Mass Transfer Lab
ME 707	CAD – CAM Lab	ME 16L1	CAD /CAM Lab
ME 708	Seminar	ME 17L3	Seminar
ME 709	Project Design	ME 17L4	Project Design

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
ME 801	Operations Management	ME 1603	Operations Management
ME 802	Compressible Fluid Flow	ME 1801	Compressible Fluid Flow
ME 803	Production Technology	ME 1802	Production Technology
ME 804 A	Propulsion Engineering	ME 1804 E1	Propulsion Engineering
ME 804 B	Computational Fluid Dynamics	ME 1804 E3	Computational Fluid Dynamics
ME 804 C	Material Management	ME 1804 E2	Materials Management
ME 804 D	Advanced Production Technology	ME 804 D	Advanced Production Technology(2006 scheme)
ME 804 E	Automobile Engineering	ME 1704	Automobile Engineering
ME 805	Project	ME 18L1	Project
ME 806	Viva-Voce	ME 18L2	Viva-Voce

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

(CIVIL ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 301	Engineering Mathematics II	CE 1301	Engineering Mathematics II
CE 302	Surveying - I	CE 1302	Surveying - I
CE 303	Strength of Materials	CE 1303	Strength of Materials
CE 304	Concrete Technology	CE 1304	Concrete Technology
CE 305	Fluid Mechanics - I	CE 1305	Fluid Mechanics - I
CE 306	Engineering Materials & Building Construction	CE 1306	Building Technology and Habitat Engineering
CE 307	Survey Practicals – I	CE 13L1	Survey Practicals - I
CE 308	Strength of Materials Lab	CE 13L2	Strength of Materials Lab

STREAM A

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 401	Engineering Mathematics - III	CE 1401	Engineering Mathematics - III
CE 402	Surveying - II	CE 1402	Surveying - II
CE 403	Mechanics of Structures	CE 403	Mechanics of Structures (2006 Scheme)
CE 404	Engineering Geology and Seismology	CE 1404	Engineering Geology & Seismology
CE 405	Fluid Mechanics II	CE 1405	Fluid Mechanics II
CE 406	Construction Engineering & Management – I	CE 406	Construction Engineering & Management – I (2006 Scheme)
CE 407	Survey Practicals - II	CE 14L1	Survey Practicals – II and Survey Camp
CE 408	Fluid Mechanics Lab	CE 14L2	Fluid Mechanics Lab

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 501	Engineering Mathematics - IV	CE 1501	Engineering Mathematics - IV
CE 502	Analysis of Structures - I	CE 1403	Analysis of Structures - I
CE 503	Design of Structures - I	CE 1502	Design of Structures - I
CE 504	Geotechnical Engineering - I	CE 1504	Geotechnical Engineering - I
CE 505	Transportation Engineering - 1	CE 1505	Transportation Engineering - 1
CE 506	Construction Engineering & Management - II	CE 1703	Construction Management
CE 507	Geotechnical Engineering Lab	CE 15L1	Geotechnical Engineering Lab
CE 508	Transportation Engineering Lab	CE 15L2	Transportation Engineering Lab

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 601	Environmental Engineering - I	CE 1601	Environmental Engineering - I
CE 602	Analysis of Structures - II	CE 1503	Analysis of Structures - II
CE 603	Design of Structures - II	CE 1602	Design of Structures - II
CE 604	Geotechnical Engineering - II	CE 1604	Geotechnical Engineering - II
CE 605	Transportation Engineering - II	CE 1605	Transportation Engineering - II
CE 606	Water Resources & Irrigation Engineering	CE 1506	Water Resources & Irrigation Engineering
CE 607	CAD in Civil Engineering	CE 16L2	CAD in Civil Engineering
CE 608	Environmental Engineering Lab	CE 16L1	Environmental Engineering Lab

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 701	Environmental Engineering - II	CE 1701	Environmental Engineering - II
CE 702	Prestressed Concrete Structures	CE 1702	Design Structures III
CE 703	Earthquake Engineering	CE 1802	Earthquake Engineering
CE 704	Quantity Surveying and Valuation	CE 1704	Quantity Surveying and Valuation
CE 705 A	Finite Element Method	CE 705 A	Finite Element Method (2006 Scheme)
CE 705 B	Advanced Construction Techniques & Field Quality Control	CE 1805 E3	Advanced Construction Techniques & Field Quality Control
CE 705 C	Advanced Foundation Engineering	CE 705 C	Advanced Foundation Engineering (2006 Scheme)
CE 705 D	Ground Water Engineering	CE 1705 E4	Ground Water Engineering
CE 705 E	Highway & Air Field Pavement Design	CE 1705 E3	Highway & Air Field Pavement Design
CE 706	Computer Applications in Civil Engineering	CE 17L1	Computer Applications in Civil Engineering
CE 707	Construction and Structural Engineering Lab	CE 18L1	Construction and Structural Engineering Lab
CE 708	Seminar	CE 17L3	Seminar
CE 709	Project	CE 17L5	Project

SEMESTER VIII

Code	Subject (2006)	Code No.	Subject (2012)
CE 801	Architecture & Town Planning	CE 1801	Architecture & Town Planning
CE 802	Construction Safety & Fire Engineering	CE 1803	Construction Safety & Fire Engineering
CE 803	Retrofitting and Rehabilitation of Structures	CE 1805 E1	Retrofitting and Rehabilitation of Structures
CE 804 A	Bridge Engineering	CE 804 A	Bridge Engineering (2006 Scheme)
CE 804 B	Cost Effective Building Techniques	CE 1606 E1	Cost Effective Building Techniques
CE 804 C	Ground Improvement Techniques	CE 1705 E2	Ground Improvement Techniques
CE 804 D	Remote Sensing & GIS	CE 1805 E4	Remote Sensing & GIS
CE 804 E	Industrial Waste Engineering & Management	CE 1805 E3	Industrial Waste Engineering & Management
CE 805	Building Technology and NDT lab	CE 17L2	Building Technology and NDT lab
CE 806	Project	CE 18L2	Project
CE 807	Viva-Voce	CE 18L3	Viva-Voce

STREAM B**SEMESTER IV**

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 401	Engineering Mathematics - III	CE 1401	Engineering Mathematics - III
CE 402	Surveying - II	CE 1402	Surveying - II
CE 403	Mechanics of Structures	CE 403	Mechanics of Structures (2006 Scheme)
CE 404	Engineering Geology and Seismology	CE 1404	Engineering Geology & Seismology
CE 405	Fluid Mechanics II	CE 1405	Fluid Mechanics II
CE 406	Construction Engineering & Management - I	CE 406	Construction Engineering & Management - I (2006 Scheme)
CE 407	Survey Practicals - II	CE 14L1	Survey Practicals - II and Survey Camp
CE 408	Fluid Mechanics Lab	CE 14L2	Fluid Mechanics Lab
CE 409	Industrial/Field Training	CE 409	Industrial/Field Training (2006 scheme)

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 501	Engineering Mathematics - IV	CE 1501	Engineering Mathematics - IV
CE 502	Analysis of Structures - I	CE 1403	Analysis of Structures - I
CE 503	Design of Structures - I	CE 1502	Design of Structures - I
CE 504	Geotechnical Engineering - I	CE 1504	Geotechnical Engineering - I
CE 505	Transportation Engineering	CE 1505	Transportation Engineering - 1
CE 506	Construction Engineering & Management - II	CE 1703	Construction Management
CE 507	Geotechnical Engineering Lab	CE 15L1	Geotechnical Engineering Lab
CE 508	Transportation Engineering Lab	CE 15L2	Transportation Engineering Lab
CE 509	Industrial/Field Training	CE 15L3	Industrial/Field Training

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 601	Environmental Engineering	CE 1601	Environmental Engineering - I
CE 602	Analysis of Structures - II	CE 1503	Analysis of Structures - II
CE 603	Design of Structures - II	CE 1602	Design of Structures - II
CE 604	Geotechnical Engineering - II	CE 1604	Geotechnical Engineering - II
CE 605	MIS & Finance Management	CE 1606 E2	MIS and Finance Management
CE 606	Water Resources & Irrigation Engineering	CE 1506	Water Resources and Irrigation Engineering
CE 607	CAD in Civil Engineering	CE 16L2	CAD in Civil Engineering
CE 608	Environmental Engineering Lab	CE 16L1	Environmental Engineering Lab
CE 609	Industrial/Field Training	CE 16L3	Industrial/Field Training

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 701	Contracts & Legal Aspects in Construction	CE 1705 E1	Contracts & Legal Aspects in Construction
CE 702	Prestressed Concrete Structures	CE 1702	Design Structures III
CE 703	Earthquake Engineering	CE 1802	Earthquake Engineering
CE 704	Quantity Surveying and Valuation	CE 1704	Quantity Surveying and Valuation
CE 705 A	Finite Element Method	CE 705 A	Finite Element Method (2006 Scheme)
CE 705 B	Advanced Construction Techniques & Field Quality Control	CE 1805 E2	Advanced Construction Techniques and Field Quality Control
CE 705 C	Advanced Foundation Engineering	CE 705 C	Advanced Foundation Engineering (2006 Scheme)
CE 705 D	Ground Water Engineering	CE 1705 E4	Ground Water Engineering
CE 705 E	Highway & Air Field Pavement Design	CE 1705 E3	Highway & Air Field Pavement Design
CE 706	Computer Applications in Civil Engineering	CE 17L1	Computer Applications in Civil Engineering
CE 707	Construction and Structural Engineering Lab	CE 18L1	Construction and Structural Engineering Lab
CE 708	Seminar	CE 17L3	Seminar
CE 709	Industrial/Field Training	CE 17L5	Project

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
CE 801	Architecture & Town Planning	CE 1801	Architecture & Town Planning
CE 802	Construction Safety & Fire Engineering	CE 1803	Construction Safety & Fire Engineering
CE 803	Retrofitting and Rehabilitation of Structures	CE 1805 E1	Retrofitting and Rehabilitation of Structures
CE 804 A	Bridge Engineering	CE 804 A	Bridge Engineering (2006 Scheme)
CE 804 B	Cost Effectives Building Techniques	CE 1606 E1	Cost Effectives Building Techniques
CE 804 C	Ground Improvement Techniques	CE 1705 E2	Ground Improvement Techniques
CE 804 D	Remote Sensing & GIS	CE 1805 E4	Remote Sensing & GIS
CE 804 E	Industrial Waste Engineering & Management	CE 1805 E3	Industrial Waste Engineering & Management
CE 805	Industrially Oriented Project	CE 18L2	Project
CE 806	Viva-Voce	CE 18L3	Viva-Voce

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FACULTY OF ENGINEERING
EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme)

(INFORMATION TECHNOLOGY)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 301	Engineering Mathematics II	IT 1301	Engineering Mathematics II
IT 302	Electrical Technology	IT 1302	Electrical Technology
IT 303	Discrete Computational Structures	IT 1303	Discrete Computational Structures
IT 304	Object Oriented Programming	IT 1304	Object Oriented Programming
IT 305	Electronic Circuits & Logic Design	IT 1306	Logic Design and Electronic Circuits
IT 306	Computer Organization	IT 1305	Computer Organization
IT 307	Logic Design Lab	IT 13L1	Electronic Circuits Laboratory
IT 308	Object Oriented Programming Lab	IT 13L2	Object Oriented Programming Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 401	Engineering Mathematics - III	IT 1401	Engineering Mathematics - III
IT 402	Microprocessor Architecture & System Design	IT 1402	Microprocessor Architecture & System Design
IT 403	Operations Research	IT 1702	Operations Research
IT 404	Automata, Languages and Computation	CS 1404	Automata, Languages and Computations
IT 405	Data Structures and Algorithms	IT 1405	Data Structures and Algorithms
IT 406	Data Communication	IT 1406	Data & Computer Networking
IT 407	PC Hardware and Microprocessor Lab	IT 14L1	PC Hardware and Microprocessor Lab
IT 408	Data Structures Lab	IT 14L2	Data Structures Lab

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 501	Engineering Mathematics IV	IT 1501	Engineering Mathematics IV
IT 502	Systems Programming	IT 1602	Compiler Construction
IT 503	Software Engineering	IT 1503	Software Engineering
IT 504	Computer Graphics and Animation	CS 1605	Computer Graphics and Animation
IT 505	Database Management System	IT 1404	Database Management Systems
IT 506	Knowledge Engineering	IT 1603	Knowledge Engineering
IT 507	Mini Project – RDBMS Based	IT 15L1	Mini Project – RDBMS Based
IT 508	System Programming Lab	IT 15L2	Operating Systems Lab

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 601	Financial Management & E-Banking	IT 1601	Financial Management & E-Banking
IT 602	Internet Programming	IT 1506	Internet Programming
IT 603	Operating Systems	IT 1502	Operating Systems
IT 604	Analysis and Design of Algorithms	IT 1504	Design and Analysis of Algorithms
IT 605	Object Oriented Modeling and Design	IT 1505	Object Oriented Modeling and Design
IT 606	Computer Networks	CS 1604	Computer Networks
IT 607	Computer Graphics Lab	IT 16L1	Computer Graphics Lab
IT 608	Mini Project – Internet Based	IT 16L2	Mini Project – Internet Based

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 701	Industrial Organization & Management	IT 1701	Industrial Organization & Management
IT 702	Multimedia Computing	IT -15 1606 EI	Multimedia Computing (2015 scheme)
IT 703	Advanced Computer Networks	IT 1703	Internetworking
IT 704	Distributed Computing	IT 1803	Distributed Computing
IT 705 A	Parallel Computer Architecture and Programming	IT 1606 E2	Parallel Computer Architecture and Programming
IT 705 B	Information Retrieval	CS 1705 E2	Information Retrieval
IT 705 C	Artificial Neural Networks	IT 1705 E4	Neural Networks
IT 705 D	Cryptography and Data Security	IT 1705 E2	Cryptography and Data Security
IT 705 E	Data Mining and Ware Housing	IT 1606 E3	Data Mining and Ware Housing
IT 706	Computer Network Lab	IT 17L1	Computer Network Lab
IT 707	Mini Project -Multimedia Based	IT 17L2	Mini Project -Multimedia Based
IT 708	Seminar	IT 17L4	Seminar
IT 709	Project Design	IT 17L3	Project Design

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
IT 801	Electronic Business and Services	IT 1801	Electronic Business and Services
IT 802	Real Time Systems	IT 1802	Real Time Systems
IT 803	Software Project Management	IT 1804 E2	Software Project Management
IT 804 A	Software Testing Methods & Tools	IT 1804 E3	Software Testing Methods & Tools
IT 804 B	Bioinformatics	IT 1606 E1	Bioinformatics
IT 804 C	Soft Computing	IT -15 1606 E3	Soft Computing (2015 scheme)
IT 804 D	Mobile Computing	IT 1704	Mobile Computing
IT 804 E	Geographical Information Systems	IT 804 E	Geographical Information Systems (2006)
IT 805	Project Work	IT 18L1	Project
IT 806	Viva-Voce	IT 18L2	Viva-Voce

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ENGINEERING
EQUIVALENT PAPERS – B.Tech SAFETY AND FIRE ENGINEERING
2006 Scheme and 2012 Scheme

SEMESTER III

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 301 Engineering Mathematics II	SE 1301 Engineering Mathematics II
SE 302 Chemical Engineering I	SE 1302 Principles of Chemical Engineering
SE 303 Fluid Mechanics and Fluid Flow Machines	SE 1303 Engineering Fluid Mechanics and Machinery
SE 304 Manufacturing Processes	SE 1505 Manufacturing Processes
SE 305 Elements of Machine drawing	SE 1306 Elements of Machine Drawing
SE 306 Principles of Safety Management	SE 1304 Principles of Safety Management
SE 307 Machine Shop	SE 16 L1 Machine Shop
SE 308 Fluid Mechanics & Machinery Lab	SE 13 L2 Fluid Mechanics & Machinery Laboratory

SEMESTER IV

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 401 Engineering Mathematics III	SE 1401 Engineering Mathematics III
SE 402 Chemical Engineering II	SE 1402 Transfer Operations in Chemical Engineering
SE 403 Strength of Materials	SE 1403 Strength of Materials
SE 404 Fire Engineering I	SE 1404 Fire Engineering Fundamentals
SE 405 Electrical Technology and Safety in Electrical Systems	SE 1405 Electrical Technology and Safety
SE 406 First Aid and Emergency Procedures	SE 1406 Occupational Health and First Aid
SE 407 Strength of Materials Lab	SE 14 L1 Strength of Materials Laboratory
SE 408 Electrical Technology Lab	SE 14 L2 Electrical Technology Laboratory

SEMESTER V

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 501 Engineering Mathematics IV	SE 1501 Engineering Mathematics IV
SE 502 Chemical Engineering III	SE 1502 Reaction Engineering and Chemical Technology
SE 503 Principles of Engineering Design	SE 1503 Principles of Engineering Design
SE 504 Fire Engineering II	SE 1504 Planning and Design of Fire Protection Systems
SE 505 Principles of Industrial Management	SE 1703 Principles of Industrial Management
SE 506 Safety in Construction	SE 1305 Safety in Construction
SE 507 Safety Engineering Lab	SE 13 L2 Safety Engineering Laboratory
SE 508 Chemical Engineering Lab	SE 15 L1 Chemical Engineering Laboratory

SEMESTER VI

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 601 Legal Aspects of Safety, Health and Environment	SE 1601 Legal Aspects of HSE
SE 602 Chemical Process Safety	SE 1506 Chemical Process Safety
SE 603 Process Instrumentation and Control Engineering	SE 1603 Process Instrumentation and Control Engineering
SE 604 Fire Engineering III	SE 1604 Structural Fire Safety
SE 605 Environmental Engineering and Management	SE 1605 Environmental Engineering and Management
SE 606 Occupational Health & Hygiene Management	SE 1406 Occupational Health and First Aid
SE 607 Environmental Engineering & Management Lab	SE 16L2 Environmental Engineering & Management Laboratory
SE 608 Minor Project	SE 608 Minor Project (2006 SCHEME)

SEMESTER VII

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 701 Hazard Identification and Risk Assessment	SE 1701 Hazard Identification and Risk Assessment
SE 702 Safety in Rail and Road Transport	SE 1702 Transportation Systems and Safety
SE 703 Safety in Engineering Industry	SE 1603 Hazard Control in Manufacturing
SE 704 Fire Engineering IV	SE 1704 Life Safety in Building Fire
SE 705 (A) Automobile Engineering and Safety	SE 1705 E3 Automobile Engineering and Safety
SE 705 (B) Safety in Petroleum and Petrochemical Industries	SE 1606 E2 Safety in Petroleum and Petrochemical Industries
SE 705 (C) Food and Biosafety	SE 1606 E3 Food and Biosafety
SE 705 (D) Fault Detection and Diagnosis	SE 1606 E4 Fault Detection and Diagnosis
SE 706 Fire Engineering Lab	SE 17 L1 Fire Engineering Laboratory
SE 707 Industrial Hygiene Lab	SE 17 L2 Industrial Hygiene Laboratory
SE 708 Seminar	SE 17 L4 Seminar

SEMESTER VIII

Subject Code and Name (2006)	Subject Code and Name (2012)
SE 801 Human Factors Engineering	SE 1801 Human Factors Engineering
SE 802 Disaster Management	SE 1803 Disaster Management
SE 803 Advanced Safety Engineering and Management	SE 1802 Advanced Safety Engineering and Management
SE 804 (A) Safety in Power Plants	SE 1606 E1 Power Plant Engineering
SE 804 (B) Safety in Health-Care Waste Management	SE 804 (B) Safety in Health-Care Waste Management (2006 SCHEME)
SE 804 (C) Fluid Power Safety	SE 1804 E1 Fluid Power Systems
SE 804 (D) Total Quality Management	SE 1804 E3 Total Quality Management
SE 805 Project	SE 18L1 Project
SE 806 Viva Voce	SE 18 L2 Viva Voce

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

(ELECTRONICS AND INSTRUMENTATION TECHNOLOGY)

Semester III

Code No.	Subject (2006)	Code No.	Subject (2012)
CE/CS/EB/EC/E E/EI/IT/ME/SE/F T 301	Engineering Mathematics II	1301	ENGINEERING MATHEMATICS II
EB/EC/EI/IT/ME 302	Electrical Technology	EC/IT/ME 1302	Electrical Technology
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	ME 14 L1	Electrical Machines Lab

Semester IV

Code No.	Subject (2006)	Code No.	Subject (2012)
CE/CS/EB/EC/E E/EI/IT/ME/SE/F T 401	Engineering Mathematics III	1401	ENGINEERING MATHEMATICS III
CS/EB/EC/EI 402	Microprocessors	EC 1402	Microprocessors Architecture and Programming
EC/EI 403	Electronic Circuits II	EC/EI 1403	ELECTRONIC CIRCUITS II
EC/EI 404	Signals and Systems	EC 1404	Signals and Systems
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/E E/EI/IT/ME/SE/F T 501	Engineering Mathematics IV	1501	ENGINEERING MATHEMATICS IV
EI 502	Industrial Instrumentation I	EI 1503	INDUSTRIAL INSTRUMENTATION – I
EC/EI 503	Digital System Design	EC 1406	Digital System Design
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 Instrumentation I	EI 602	Process Control Instrumentation I (2006 Scheme)
EC/EI 603	VLSI Design	EI1705E4	VLSI DESIGN
EI 604	Industrial Instrumentation II	EI 604	Industrial Instrumentation II (2006 scheme)
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
EI 608	Mini Project	EI16L2	MINI PROJECT

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	EC 1803	Computer Commucation.& Networking
EI 704	Analytical Instrumentation	EI 704	Analytical Instrumentation (2006 scheme)
EI 705	Elective I	EI 705	Elective I
EC/EI705A	INTELLIGENT SYSTEMS	EC/EI705A	INTELLIGENT SYSTEMS (2006 scheme)
EI 705 B	TELEMETRY AND REMOTE CONTROL	EI 705 B	TELEMETRY AND REMOTE CONTROL (2006 scheme)
EI 705 C	POWR PLANT INSTRUMENTATION	EI 1802	POWER PLANT INSTRUMENTATION
EB/EC/EI 705 D	MECHATRONICS	EC 1705 E4	MECHATRONICS
EI705E	Artificial Intelligence and Expert Systems	EI705E	Artificial Intelligence and Expert Systems (2006 Scheme)
EC/EI 706	Signal Processing Laboratory	EII7L1	SIGNAL PROCESSING LABORATORY
EI 707	Process Control Laboratory	EII7L2	PROCESS CONTROL LABORATORY
EI 708	Seminar	EII7L4	SEMINAR
EI 709	Project Design		

Semester VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
EI 801	Instrumentation System Design	EI 801	Instrumentation System Design (2006 Scheme)
EI 802	Biomedical Instrumentation	EI 1801	BIOMEDICAL INSTRUMENTATION
EI 803	Optoelectronic Instrumentation	EI 1704	OPTICAL INSTRUMENTATION
EI 804	Elective II		
EI 805	Project Work		
EI 806	Viva -Voce		
CS/EC/EE/EI804 A	Digital Image Processing	EI 1606 E2	Digital Image Processing
EI804B	Advanced Analytical Techniques	EI804B :	Advanced Analytical Techniques (2006 Scheme)
EC/EI804C	ASIC Design	EC 1804 E3	ASIC Design
EI 804 D	Audio and Video Systems	EI 804 D	Audio and Video Systems (2006 Scheme)
EI804E	Advanced Biomedical Instruments	EI804E	Advanced Biomedical Instruments (2006 Scheme)

COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY
FACULTY OF ENGINEERING
EQUIVALENT PAPERS – B Tech 2006 and 2012 Schemes
(ELECTRONICS AND BIOMEDICAL ENGINEERING)

SEMESTER III

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 302	Electrical Technology	EB 1302	Electrical Machines and Circuits
EB 303	Principles of Anatomy & Physiology	EB 1303	Principles of Anatomy and Physiology
EB 304	Digital Electronics	EB 1304	Digital Electronics
EB 305	Medical Physics	EB 1305	Medical Physics
EB 306	Electronic Devices & Circuits	EB 1306	Electronic Devices and Circuits
EB 307	Basic Electronics Laboratory	EB 13 L1	Analog Circuits Laboratory-I
EB 308	Electrical Machines Laboratory	EB 13 L2	Electrical Machines Laboratory

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 402	Microprocessors	EB 1402	Microprocessors
EB 403	Integrated Circuits & Systems	EB 1403	Integrated Circuits and Systems
EB 404	Bioelectric Phenomena	EB 1404	Bioelectric Phenomena
EB 405	Communication Techniques	EB 1405	Communication Techniques
EB 406	Industrial & Power Electronics	EB 1406	Power Electronics
EB 407	Digital Electronics Laboratory	EB 14 L1	Digital Electronics Laboratory
EB 408	Analog Circuits Laboratory	EB 14 L2	Analog Circuits Laboratory-II

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 502	Biomaterials	EB 1802	Biomaterials
EB 503	Hospital Engineering	EB 1503	Hospital Engineering
EB 504	Biosignal Processing - I	EB 1504	Biosignal Processing-I
EB 505	Bioinstrumentation – I	EB 1505	Bioinstrumentation-I
EB 506	Microprocessor based System Design	EB 1506	Microprocessor based System Design
EB 507	Microprocessor Laboratory	EB 15 L1	Microprocessor Laboratory
EB 508	Medical Electronics Laboratory - I	EB 15 L2	Medical Electronics Laboratory-I

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 601	Biosensors and Transducers	EB 1502	Biosensors and Transducers
EB 602	Biomechanics	EB 1702	Biomechanics
EB 603	Bioinstrumentation – II	EB 1603	Bioinstrumentation-II
EB 604	Principles of ObjectOriented Programming	EB 1604	Principles of Object Oriented Programming
EB 605	Control Systems Engineering	EB 1605	Modern Control Systems
EB 606	Biosignal Processing - II	EB 1602	Biosignal Processing-II
EB 607	Medical Electronics Laboratory - II	EB 16 L1	Medical Electronics Laboratory-II
EB 608	Mini Project	EB 16 L2	Mini Project

SEMESTER VII

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 702	Therapeutic Equipments	EB 1704	Therapeutic Equipments
EB 703	Principles of Radio diagnosis and Radiotherapy	EB 1801	Principles of Radio diagnosis and Radiotherapy
EB 704	Medical Imaging Techniques	EB 1601	Medical Imaging Techniques
EB 705 (A)	Computer Communications	EB 1606 E2	Computer Communications
EB 705 (B)	Biostatistics & Design of Experiments	EB 1705 E2	Biostatistics and Design of Experiments
EB 705 (C)	Artificial Neural Networks	EB 1606 E1	Artificial Neural Networks
EB 705 (D)	Mechatronics	EB 1705 E4	Mechatronics
EB 705 (E)	Embedded Systems and Applications	EB 1705 E3	Embedded Systems and Applications
EB 706	Biosignal Processing Laboratory	EB 17 L1	Biosignal Processing Laboratory
EB 707	Bioengineering Laboratory	EB 17 L2	Bioengineering Laboratory
EB 708	Seminar	EB 17 L3	Project Design
EB 709	Main Project - Design	EB 17 L4	Seminar

SEMESTER VIII

Code No.	Subject (2006)	Code No.	Subject (2012)
EB 801	Medical Image Processing	EB 1703	Medical Image Processing
EB 802	Telemedicine	EB 1804 E1	Telemedicine
EB 803	Biophotonics	EB 1803	Biophotonics
EB 804 (A)	Modelling of Physiological Systems	EB 1705 E1	Modeling of Physiological Systems
EB 804 (B)	Bioinformatics	EB 1804 E2	Bioinformatics
EB 804 (C)	Computer Graphics and Volume Visualisation	EB 1804 E3	Computer Graphics and Volume Visualization
EB 804 (D)	VLSI Design	EB 1804 E4	VLSI Design
EB 804 (E)	BioMEMS & Nanotechnology	EB 1606E4	BioMEMS and Nanotechnology
EB 805	Main Project	EB 18 L1	Project
EB 806	Viva Voce	EB 18 L2	Viva voce

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY**EQUIVALENT PAPERS-B.TECH 2006 Scheme and 2012 Scheme****(FOOD TECHNOLOGY)****SEMESTER III**

Code No.	Subject (2006)	Code No.	Subject (2012)
FT 301	Engineering Mathematics II	FT 1301	Engineering Mathematics II
FT 302	Physical Chemistry	FT 1302	Physical Chemistry
FT 303	Organic Chemistry	FT 1303	Organic Chemistry
FT 304	Micro Biology	FT 1304	Microbiology
FT 305	Food Chemistry & Nutrition	FT 1305	Biochemistry and Nutrition
FT 306	Theory of Machines	FT 1306	Theory of Machines
FT 307	Microbiology Laboratory	FT 13L1	Microbiology Lab
FT 308	Physical and Organic Chemistry Lab	FT 13L2	Physical and Organic Chemistry Lab

SEMESTER IV

Code No.	Subject (2006)	Code No.	Subject (2012)
FT 401	Engineering Mathematics III	FT 1401	Engineering Mathematics III
FT 402	Principles of Chemical Engineering	FT 1402	Principles of Chemical Engineering
FT 403	Biochemistry	FT 1403	Heat and Mass Transfer
FT 404	Heat & Mass Transfer	FT 1404	Unit Operations in Food Processing
FT 405	Unit Operations	FT 1405	Refrigeration and Cold Chain
FT 406	Refrigeration & Cold Chain	FT 1406	Food Microbiology
FT 407	Biochemistry Laboratory	FT 14L1	Food Microbiology Lab
FT 408	Unit Operations Laboratory	FT 14L2	Unit Operations Lab

SEMESTER V

Code No.	Subject (2006)	Code No.	Subject (2012)
FT 501	Engineering Mathematics IV	FT 1501	Engineering Mathematics-IV
FT 502	Food Microbiology	FT 1502	Food Chemistry and Additives
FT 503	Food Additives	FT 1503	Food Process Engineering
FT 504	Food Process Engineering	FT 1504	Principles of Food Processing and Preservation
FT 505	Diary Plant Engineering	FT 1505	Food Process Equipment and Design
FT 506	Instrumental Methods of Analysis	FT 1506	Food Analysis
FT 507	Food Microbiology Laboratory	FT 15L1	Food Analysis Lab
FT 508	Instrumental Methods of Analysis Laboratory	FT 15L2	Food Chemistry and Biochemistry Lab

SEMESTER VI

Code No.	Subject (2006)	Code No.	Subject (2012)
FT 601	Fruit and Vegetable Processing	FT 1601	Fruit and Vegetable Processing
FT 602	Food Analysis	FT 1602	Dairy Plant Engineering
FT 603	Cereals and Legume Technology	FT 1603	Cereals, Pulses and Oil Seeds Processing
FT 604	Food Product Development	FT 1604	Food Product Design and Development
FT 605	Process Plant Equipment and Design	FT 1605	Food Plant Layout and Design
FT 606	Fish Processing Technology	FT 1606 E1	Fermentation and Enzyme Technology
		FT 1606 E2	Food Flavourings
		FT 1606 E3	Food Laws and Regulations
		FT 1606 E4	Plant Maintenance and Safety and Hygiene
FT 607	Food Processing Laboratory	FT 16L1	Food Processing Lab
FT 608	Food Analysis Laboratory	FT 16L2	Mini Project

SEMESTER VII

CodeNo.	Subject (2006)	Code No.	Subject (2012)
FT 701	Food Fermentation	FT 1701	Food Quality System and Management
FT 702	Food Preservation	FT 1702	Engineering Properties of Food
FT 703	Food Safety and Hazard Analysis	FT 1703	Food Packaging Technology
FT 704	Instrumentation & Process Control	FT 1704	Instrumentation and Process Control
FT705A	Beverage Processing	FT 1705 E1	Beverage Processing
FT705B	Food Packaging Technology	FT 1705 E2	Food Process Modelling
FT705C	Food Plant Layout and Design	FT 1705 E3	Technology of meat Poultry and Egg Processing
FT 705D	Bakery and Confectionery Technology	FT 1705 E4	Bakery and Confectionery Technology
FT 706	Food Preservation Laboratory	FT 17L1	Food Preservation Lab
FT 707	Engineering Properties Laboratory	FT 17L2	Engineering Properties Lab
FT 708	Seminar	FT 17L3	Project Design
FT 709	Project Design	FT 17L4	Seminar

SEMESTER VIII

CodeNo.	Subject (2006)	Code No.	Subject (2012)
FT 801	Management of Food Processing Industries	FT 1801	Management of Food Processing Industries
FT 802	Regulatory Issues in Food Industry	FT 1802	Entrepreneurship Development for Food Technology
FT 803	Meat and Poultry Processing	FT 1803	Technology of Plantation Crops and Spices
FT 804A	Total Quality Management	FT 1804 E1	Fish Processing Technology
FT 804B	Food Biotechnology	FT 1804 E2	Food Biotechnology
FT 804C	Food Industry Waste Management	FT 1804 E3	Food Industry Waste Management
FT 804D	Enzyme Technology	FT 1804 E4	Neutraceuticals and Functional Foods
FT 805	Project	FT 18L1	Project
FT 806	Viva-Voce	FT 18L2	Viva Voce