

**COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY****FACULTY OF ENGINEERING****EQUIVALENT PAPERS – B Tech 2006 and 2012 Schemes****SEMESTER III**

<b>Code No.</b>	<b>Subject (2006)</b>	<b>Code No.</b>	<b>Subject (2012)</b>
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**

<b>Code No.</b>	<b>Subject (2006)</b>	<b>Code No.</b>	<b>Subject (2012)</b>
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**

<b>Code No.</b>	<b>Subject (2006)</b>	<b>Code No.</b>	<b>Subject (2012)</b>
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**

<b>Code No.</b>	<b>Subject (2006)</b>	<b>Code No.</b>	<b>Subject (2012)</b>
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 Object Oriented 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**

<b>Code No.</b>	<b>Subject (2006)</b>	<b>Code No.</b>	<b>Subject (2012)</b>
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 1606 E4	BioMEMS and Nanotechnology
EB 805	Main Project	EB 18 L1	Project
EB 806	Viva Voce	EB 18 L2	Viva voce