

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 14L1 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	No equivalent course

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	No equivalent course
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 18 L1 Project
SE 806 Viva Voce	SE 18 L2 Viva Voce