

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO. SU/Engg./Equivalence/34/2016**

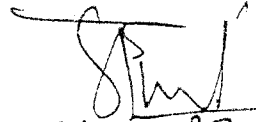
It is hereby informed to all concerned that, on the recommendation of Chairman of the committee appointed for Faculty of Engineering and Technology, the Hon'ble Vice-Chancellor has accepted the equivalence to final year of B.E. for all branches and M.C.A. Third Year Old Course due to revised syllabi on behalf of the Academic Council Under Section-14(7) of the Maharashtra Universities Act, 1994 as appended herewith.

This is effective from the Academic Year 2016-2017 and onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO. SU/ENGG. /6142-72
2016/
Date:- 26-09-2016.

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Director, 27/9/16
Board of College and
University Development.

Copy forwarded with compliments to:-

- 1] **The Principals of concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.**

Copy to :-

- 1] The Controller of Examinations,
- 2] **The Section Officer, [Engineering Unit],**
- 3] The Programmer [Computer Unit-1] Examinations,
- 4] The Programmer [Computer Unit-2] Examinations,
- 5] The Co-Ordinator, E-Suvidha Kendra,
- 6] The Record Keeper.

Dr. Babasaheb Ambedkar Marathwada University,

N.B. : All are informed that to download a copy of curriculum from the above website as per their requirement..

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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of B.E. (Civil) Part-I & II Pre-revised course to
Revised course of B.E. (Civil) Part-I & II effective from
Academic Year 2016-17

Sr. No	B.E. (Civil) Pre-revised (100 Marks Pattern)	Equivalent subject in B.E. (Civil) revised course (80/20 Marks Pattern)
1.	Environmental Engineering-II	Environmental Engineering-II
2.	Water Resources Engg.-II	Water Resources Engg.-II
3.	Design of Structures-III	Design of Structures-III
4.	Foundation Engineering	Foundation Engineering
5.	Town Planning (EL-I)	Town Planning (EL-I)
6.	Computer Application in civil (EL-I)	Computer Application in (civil) (EL-I)
7.	Prestressed Concrete (EL-I)	Prestressed Concrete (EL-I)
8.	Plumbing Engineering (EL-I)	Plumbing Engineering (EL-I)
9.	Structural Mechanics	Structural Mechanics
10.	Transportation Engineering-II	Transportation Engineering-II
11.	Construction Management	Construction Management
12.	Industrial Waste Treatment (EL-II)	Industrial Waste Treatment (EL-II)
13.	Geographical Information System (EL-II)	Geographical Information System (EL-II)
14.	Earth Quake Engineering (EL-II)	Earth Quake Engineering (EL-II)
15.	Pavement Engineering (EL-II)	Pavement Design (EL-II)
16.	Advanced Structures (EL-II)	Advanced Structures (EL-II)



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Equivalent subjects of B.E. (Mechanical) Part-I & II Pre-revised course to Revised course of B.E. (Mechanical) Part-I & II effective from Academic Year 2016-17

Sr. No	B.E. (Mechanical) Pre-revised (100 Marks Pattern)	Equivalent subject in B.E. (Mechanical) revised course (80/20 Marks Pattern)
1.	Internal Combustion Engines & Turbines	I.C. Engines
2.	Operations Research	Project Management and operations Research
3.	Robotics & Industrial Application	Robotics & Industrial Automation (EL-II)
4.	Quality Engineering & Industrial Mgt	Metrology and quality control
5.	Energy Conservation & Mgt. (EL-I)	Energy Conservation & Mgt. (EL-I)
6.	EDP & Industrial Economics (EL-I)	Industrial Engineering
7.	Power Plant Engineering (EL-I)	Power Plant Engineering (EL-I)
8.	Adv. Materials & Manufacturing (EL-I)	Adv. Materials & Manufacturing (EL-I)
9.	Refrigeration & Air Conditioning	Refrigeration & Air Conditioning
10.	Automobile Engineering	Automobile Engineering
11.	Automatic Control System	Automatic Control System
12.	Industrial Engineering (EL-II)	Industrial Engineering (EL-II)
13.	Machine Tool Design (EL-II)	Machine Tool Design (EL-II)
	Simulation Mathematical Model (EL-II)	Tribology
15.	Computational Fluid Dynamics (EL-II)	Computational Fluid Dynamics (EL-II)
16.	Piping System Engineering (EL-II)	Piping System Engineering (EL-II)



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Equivalent subjects of B.E. (Production) Part-I & II Pre-revised course to

Revised course of B.E. (Production) Part-I & II effective from

Academic Year 2016-17

Sr. No	B.E. (Production) Pre-revised (100 Marks Pattern)	Equivalent subject in B.E. (Production) revised course (80/20 Marks Pattern)
1.	Theory of Metal Forming	Theory of Metal Forming
2.	Production Planning & Control	Production Planning & Control (mech)
3.	Machine Tool Technology	Machine Tool design (mech)
4.	Robotics & Industrial Applications	Robotics & Industrial Automation (Mech)
5.	Manufacturing Systems (EL-I) *	
6.	Adv. Materials & Manufacturing Techniqueselv. (EL-I)	Advanced materials and manufacturing (mech.)
7.	Mechatronics-II (EL-I)	Mechatronics-II (EL-I)
8.	COMPUTER AIDED ENGINEERING (EL-I)	COMPUTER AIDED ENGINEERING (EL-I)
9.	AUTOMATIC CONTROL SYSTEM	AUTOMATIC CONTROL SYSTEM (Mech)
10.	OPERATION RESEARCH	Project Management and Operations Research (Mech)
11.	Industrial engineering	Industrial Engineering (mech)
12.	costing & financial management (el-ii)	costing & financial management (el-ii)
13.	Non-Conventional Machining Process (El-Ii)	Non-Conventional Machining Process (El-Ii)
14.	Simulation & mathematical mode (el-ii)	Tribology (mech)
15.	Design OF experiments (EL-II)	Design OF experiments (EL-II)



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Equivalent subjects of B.E.(ELECTRONICS) Part-I & II Pre- revised course to revised course of B.E(ELECTRONICS) Part-I & II effective from Academic Year 2016-17

Sr.No	B.E. (ELECTRONICS) Pre-revised (100-Marks Pattern)	Equivalent subject in B.E. (ELECTRONICS) revised course (80/20 -- Marks Pattern)
01	COMPUTER NETWORKS	Computer Communication Networks
02	EMBEDDED SYSTEMS	Embedded Systems
03	OPTICAL & MICROWAVE COMMUNICATIONS	Optical Fiber communication
04	ADVANCED DIGITAL SIGNAL PROCESSING	Applied Digital signal processing
05	AUDIO VIDEO ENGINEERING (EI-I)	Consumer Electronics
06	SYSTEM SIMULATION AND ANALYSIS (E-I-I)	Advanced industrial Automation
07	ADVANCED POWER ELECTRONICS (E-I-I)	Advanced power Electronics
08	ANDROID PROGRAMMING (EI-I)	Android Programming
09	VLSI DESIGN	VLSI Design
10	DIGITAL IMAGE PROCESSING	Digital Image Processing
11	ROBOTICS	Robotics
12	MOBILE COMPUTING (EI-II)	Artificial Neural N/W & Fuzzy logic
13	SYSTEMS PROGRAMMING (EI-II)	Industrial drives
14	NETWORK SECURITY (EI-II)	Wireless and Mobile Communication
15	I PHONE PROGRAMMING	I -phone Programming

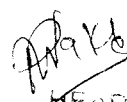
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 Equivalent subjects of B.E.(ELECTRONICS & TELECOMMUNICATION) Part-I & II
 Pre-revised course to revised course of B.E(ECT) Part-I & II effective from
 Academic Year 2016-17

Sr.No	B.E. (ECT) Pre-revised (100-Marks Pattern)	Equivalent subject in B.E. (ECT) revised course (80/20 – Marks Pattern)
01	COMPUTER NETWORKS	Computer Communication Networks
02	EMBEDDED SYSTEMS	Embedded Systems
03	OPTICAL & MICROWAVE COMMUNICATIONS	Optical Fiber communication
04	VOICE NETWORKS	Microwave & Radar Engineering
05	NETWORK SECURITY (EI-I)	Wireless Mobile Communication
06	DIGITAL IMAGE PROCESSING (EI-I)	Digital Image Processing
07	ARTIFICIAL NEURAL NETWORKS & FUZZY LOGIC (EI-I)	Advanced power Electronics
08	ANDROID PROGRAMMING (EI-I)	Android Programming
09	VLSI DESIGN	VLSI Design
10	AUDIO VIDEO ENGINEERING	Consumer Electronics
11	RADAR & SATELLITE COMMUNICATION	Satellite Communication
12	MOBILE COMPUTING (EI-II)	Antenna theory & wave propagation
13	ADVANCED INDUSTRIAL AUTOMATION (EI-II)	Advanced Industrial Automation
14	ADVANCED DIGITAL SIGNAL PROCESS (EI-II)	Applied Digital signal Processing
15	ARTIFICIAL INTELLIGENCE (EI-II)	Robotics
16	I PHONE PROGRAMMING (EI-II)	I Phone Programming


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Equivalent subjects of B.E.(INDUSTRIAL ELECTRONICS) Part-I & II Pre- revised course
to revised course of B.E(INDUSTRIAL ELECTRONICS) Part-I & II effective from
Academic Year 2016-17

Sr.No	B.E. (INDUSTRIAL ELECTRONICS) Pre-revised (100-Marks Pattern)	Equivalent subject in B.E. (INDUSTRIAL ELECTRONICS) revised course (80/20 – Marks Pattern)
01	COMPUTER NETWORKS	Computer Communication Networks
02	EMBEDDED SYSTEMS	Embedded Systems
03	OPTICAL & MICROWAVE COMMUNICATIONS	Optical Fiber communication
04	ADVANCED DIGITAL SIGNAL PROCESSING	Applied Digital signal processing
05	ADVANCED POWER ELECTRONICS (EI-I)	Advanced Power Electronics
06	AUDIO VIDEO ENGINEERING (EI-I)	Consumer Electronics
07	SYSTEM SIMULATION & ANALYSIS (E-I-I)	Adv. Industrial Automation
08	VLSI DESIGN	VLSI Design
09	DIGITAL IMAGE PROCESSING	Digital Image Processing
10	ROBOTICS	Robotics
11	NETWORK SECURITY (EI-II)	Wireless and Mobile Communication
12	SYSTEMS PROGRAMMING (EI-II)	Industrial drives
13	MOBILE COMPUTING (EI-II)	Artificial Neural N/w & Fuzzy logic



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Engineering correspondence

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of B.F. (Electrical, Electronics & Power) Part-I & II Pre-revised course to Revised course of B.E. (Electrical, Electrical Power) Part-I & II effective from Academic Year 2016-17

SR. NO.	B.E. (ELECTRICAL, ELECTRONICS & POWER) PRE-REVISED (100- MARKS PATTERN)	EQUIVALENT SUBJECT IN B.E. (ELECTRICAL, ELECTRONICS & POWER) REVISED COURSE (80/20-MARKS PATTERN)
1.	POWER SYSTEM DYNAMIC & STABILITY	POWER SYSTEM DYNAMIC & STABILITY
2.	ELECTRICAL DRIVES	ELECTRICAL DRIVES (EEP-401)
3.	MICROCONTROLLER APPLICATIONS	MICROCONTROLLER APPLICATIONS
4.	POWER SYSTEM PROTECTION	POWER SYSTEM PROTECTION (EEP-402)
5.	RENEWABLE ENERGY SOURCES (EL-I)	RENEWABLE ENERGY (EEP-453)
6.	HIGH VOLTAGE ENGINEERING (EL-I)	HIGH VOLTAGE ENGINEERING (EEP-451)
7.	INDUSTRIAL AUTOMATION (EL-I)	INDUSTRIAL AUTOMATION (EEP-404)
8.	POWER SYSTEM OPERATION AND CONTROL	POWER SYSTEM OPERATION AND CONTROL (EEP-452)
9.	EHVAC AND DC TRANSMISSION	RECENT TRENDS IN POWER SYSTEM (EEP-445)
10.	ELECTRICAL POWER QUALITY	ELECTRICAL POWER QUALITY (EL-II) (EEP-491)
11.	ELECTRICAL SYSTEM PLANNING AND DESIGN (EL-II)	ELECTRICAL SYSTEM PLANNING AND DESIGN (EL-II) (EEP-493)
12.	FLEXIBLE AC TRANSMISSION SYSTEM (EL-II)	FLEXIBLE AC TRANSMISSION SYSTEM (EEP-443)
13.	DIGITAL SIGNAL PROCESSING (EL-II)	DIGITAL SIGNAL PROCESSING (EEP-403)

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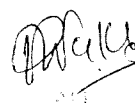
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Equivalent subjects of B.E. (Electrical Engineering) Part-I & II Pre-revised course to
Revised course of B.E. (Electrical Engineering) Part-I & II effective from
Academic Year 2016-17

Sr. No	B.E. (Electrical Engineering) Pre-revised (100 Marks Pattern)	Equivalent subject in B.E.(Electrical Engg.)revised course (80/20 Marks Pattern)
1.	Power System Dynamics & Stability	Power System Dynamics & Stability
2.	Microcontroller Applications	Microcontroller Applications
3.	Industrial Drives and Control	Electric Drives
4.	High Voltage Engineering	High Voltage Engineering
5.	Industrial Automation (EI-I)	Industrial Automation
6.	Renewable Energy Sources (EI-I)	Renewable Energy
7.	Electrical Power Quality (EI-I)	Electrical Power Quality (EI-II)
8.	Power System Operation & Control	Power System Operation & Control
9.	EHVAC & DC Transmission	Recent Trance Power System
10.	Flexible AC Transmission System	Flexible AC Transmission System (EI-I)
11.	Electrical System Planning & Design (EI-II)	Electrical System Planning & Design (EI-II)
12.	Industrial Organization & Management (EI-II)	Industrial Management (EI-I)
13.	Digital Signal Processing (EI-II)	Digital Signal Processing



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Equivalent subjects of B.E. (Electrical & Electronics Part-I & II Pre-revised course to

Revised course of B.E. (Electrical & Electronics) Part-I & II effective from

Academic Year 2016-17

(EEE)

SR. NO.	B.E. (ELECTRICAL & ELECTRONICS) PRE-REVISED(100- MARKS' PATTERN)	EQUIVALENT SUBJECT IN B.E. (ELECTRICAL & ELECTRONICS) REVISED COURSE (80/20-MARKS PATTERN)
1.	VLSI DESIGN	EMBEDDED SYSTEM (EL-II)
2.	ELECTRICAL DRIVES	ELECTRICAL DRIVES
3.	UTILIZATION OF ELECT. ENERGY & SPECIAL T	ELECTRIC TRACTION AND UTILIZATION(EL-II)
4.	SWITCH GEAR AND PROTECTION	POWER SYSTEM PROTECTION
5.	NEURAL NETWORK AND FUZZY LOGIC CONTROL(EL-I)	NEURAL NETWORK AND FUZZY LOGIC (EL-I)
6.	ADVANCE DIGITAL SIGNAL PROCESSING (EL-I)	DIGITAL SIGNAL PROCESSING (EL-II)
7.	POWER SYSTEM PROTECTION(EL-I)	POWER SYSTEM PROTECTION
8.	EMBEDDED SYSTEM (EL-II)	EMBEDDED SYSTEM (EL-II)
9.	DOMESTIC ENERGY MANAGEMENT	INDUSTRIAL MANAGEMENT(EL-I)
10.	CONTROL SYSTEM -II	CONTROL SYSTEM -II(EL-II)
11.	RENEWABLE ELECTRICAL POWER SYSTEM (EL-II)	RENEWABLE ENERGY
12.	ADVANCED DRIVES (EL-II)	POWER ELECTRONICS-II(EL-I)
13.	DIGITAL IMAGE PROCESSING (EL-II)	DIGITAL SIGNAL PROCESSING(EEL-403)
14.	NON-CONVENTIONAL ENERGY SOURCES (EL-II)	RENEWABLE ENERGY

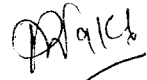
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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of B.E. (Instrumentation/Instrumentation & Control) Part-I & II Pre-revised course to Revised course of B.E. (Inst./Inst & Control) Part-I & II effective from Academic Year 2016-17

Sr. No	B.E. (Instrumentation/Instrumentation & Control)Pre-revised(100 Marks Pattern)	Equivalent subject in B.E.(Instrumentation /Instrumentation & Control) revised Course (80/20 Marks Pattern)
1.	Control System Design	Modern Control Theory
2.	Process Modeling & Optimization	Process Modeling & Optiization
3.	Biomedical Instrumentation	Biomedical Instrumentation
4.	Neural & Fuzzy Control System	Neural & Fuzzy based Control System
5.	Agro Instrumentation (El-I)	Robotics
6.	Advanced Digital Signal Process (El-I)	Advanced Digital Signal Process
7.	VLSI Design (El-I)	VLSI Design
8.	Digital Control	Digital Control System
9.	Computer Networking	Operating System & Networking
10.	Project Engineering & Management	Project Engineering & Management
11.	Optical Instrumentation (El-II)	Automotive Instrumentation
12.	Digital Image Processing (El-II)	Building Automation & Security System
13.	System Identification (El-II)	Advanced Control System



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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of B.E. (Information Technology) Part-I & II Pre-revised course to Revised course of B.E. (I.T) Part-I & II effective from Academic Year 2016-17

Sr. No	B.E. (IT) Pre-revised(100 Marks Pattern)	Equivalent subject in B.E.(IT) revised course (80/20 Marks Pattern)
1.	Web Information System	Cloud Computing (ITD402)
2.	Object Oriented Analysis & Design	Object Oriented Analysis and Modeling (ITD 443)
3.	Professional Ethics & Cyber Security	Computer System Security and Laws (CSE 451)
4.	Geographical Information Systems	Geographical Information Systems (ITD 403)
5.	Introduction To Mainframe Systems (El-I)	Compiler Construction (ITD 442) (El-I)
6.	Advanced DBMS (El-I)	Compiler Construction (ITD 442) (El-I)
7.	Android Programming (El-I)	Compiler Construction (ITD 442) (El-I)
8.	Principles of Compiler Design (El-I)	Compiler Construction (ITD 442) (El-I)
9.	Embedded Systems (El-I)	Compiler Construction (ITD 442) (El-I)
10.	Data Wave Housing & Data mining	Data Wave Housing & Data mining (CSE 401)
11.	Mobile Computing	Mobile Computing (CSE 452)
12.	Business Processes	e-Business Management (ITD 404)
13.	Enterprise Information System (El-II)	Green IT (CSE 492) (El-II)
14.	Soft Computing (El-II)	Green IT (CSE 492) (El-II)
15.	Bio Informatics (El-II)	Green IT (CSE 492) (El-II)
16.	I Phone Programming (El-II)	Green IT (CSE 492) (El-II)
17.	Cloud Computing (El-II)	Green IT (CSE 492) (El-II)

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Equivalent subjects of B.E. (Computer Science & Engg.) Part-I & II

Pre-revised course to Revised course of B.E. (Computer Science & Engg.) Part-I & II
effective from Academic Year 2016-17

Sr. No	B.E. (CS & E.) Pre-revised(100 Marks Pattern)	Equivalent subject in B.E. (CS& E.)revised Course (80/20 Marks Pattern)
1.	Advanced Algorithms	Parallel & Distributed Computing (CSE 402)
2.	Principles of Compiler Design	Principles of Compiler Design (CSE 403)
3.	Professional Ethics & Cyber Security	Computer System Security and Laws (CSE 451)
4.	Advanced Java	Cloud Computing (CSE 441)
5.	Introduction to Mainframe Systems (El-I)	Visual Modeling (El-I) (CSE 404)
6.	Advanced DBMS (El-I)	Visual Modeling (El-I) (CSE 404)
7.	Object Oriented Analysis & Design (El-I)	Visual Modeling (El-I) (CSE 404)
8.	Android Programming (El-I)	Visual Modeling (El-I) (CSE 404)
9.	Embedded Systems (El-I)	Visual Modeling (El-I) (CSE 404)
10.	Soft Computing	Soft Computing (CSE 453)
11.	Data Ware housing & Data Mining	Data Ware housing & Data Mining (CSE 401)
12.	Mobile Computing	Mobile Computing (CSE 452)
13.	Multimedia Systems (El-II)	Green IT (El-II) (CSE 492)
14.	Enterprise Information Systems (El-II)	Green IT (El-II) (CSE 492)
15.	Bio-Informatics (El-II)	Green IT (El-II) (CSE 492)
16.	I Phone Programming (El-II)	Green IT (El-II) (CSE 492)
17.	Cloud Computing (El-II)	Green IT (El-II) (CSE 492)

DR. A. B. AMBEDKAR

Principal, Engineering College
Aurangabad

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Equivalent subjects of (Bio-Technology) Part-I & II Pre-revised course to revised course of B.E. (Bio-Technology) Part-I & II effective from Academic Year 2016-17

Sr. No	B.E. (Bio-Technology) Pre-revised (100 Marks Pattern)	Equivalent subject in (Bio-Technology) revised Course (80/20 Marks Pattern)
1.	Fermentation Technology-II	Fermentation Technology-II
2.	Bioinformatics	Introduction to Biological Programming
3.	Advanced Genetic Engineering	Advanced Genetic Engineering
4.	Legal & Ethical Aspects in Biotech. & IPR	Elective-II Bio-Ethics, Bio-safety and Intellectual Property Rights
5.	Plant Tissue Culture & Plant Biotech. (El-I)	Unit Operations
6.	Biomaterials And Tissue Engine (El-I)	Elective-I Open Elective
7.	Nano-Bio-Technology(El-I)	Nanotechnology
8.	Process Control And Separation	Elective-I Environmental
9.	Protein Engineering	Biochemical Reaction Engineering
10.	Pharmaceutical Biotechnology	Animal Cell Science And Technology
11.	Food Bio-Technology (El-II)	Elective-I Food BioTechnology
12.	Environmental Bio-Technology (El-II)	Elective-II



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Equivalent subjects of B.E. (Chemical) Part-I & II Pre-revised course to

Revised course of B.E. (Chemical) Part-I & II effective from

Academic Year 2016-17

Sr.No.	B.E. (CHEMICAL) Pre - revised (100-Marks Pattern).	Equivalent subject in B.E. (CHEMICAL) revised course (80/20 – Marks Pattern).
01.	Chemical Reaction Engineering – II.** *	No equivalent subject available. *
02.	Transport Phenomena.	Transport Phenomena.
03.	Biochemical Engineering.	EL – I (Biochemical Engineering).
04.	Industrial Piping (El – I).	El – I (Industrial Piping).
05.	Food Technology (El – I).	El – II (Food Technology).
06.	Energy Engineering (El – I).	El – I (Energy Engineering).
07.	Petrochemical Engineering (El – II).	Petrochemical Engineering.
08.	Polymer Science & Engineering (El – II).	El – II (Polymer Technology).
09.	Computer Aided Design (El – II).	El – II (Computer Aided Design & Optimization).
10.	Process Modeling & Simulation.	Process Modeling & Simulation.
11.	Industrial Pollution & Control.** *	No equivalent subject available. *
12.	Industrial Safety.	Industrial Safety and Management.
13.	Optimization in Chemical Engg (El – III).	El – II (Computer Aided Design & Optimization).
14.	Catalysis (El – III).** *	No equivalent subject available. *
15.	Advanced Separation Process (El – III).	Advanced Separation Process

** Subjects at Sr.No.01, 11 and 14 in B.E. (CHEMICAL) Pre – revised (100-Marks Pattern) have no equivalent subject in the B.E. (CHEMICAL) revised course (80/20 – Marks Pattern). However equivalent subject are available in T.E. (CHEMICAL) revised course (80/20 – Marks Pattern) as below

Sr.No. 01. Chemical Reaction Engineering – II **equivalent subject** in T.E. (CHEMICAL)

CHE 353 Chemical Reaction Engineering – II.

Sr. No.11. Industrial Pollution & Control **equivalent subject** in T.E. (CHEMICAL) CHE 302 Industrial Pollution & Control.

Sr. No. 14. Catalysis (El – III). No equivalent subject is available in T.E. (CHEMICAL) revisedband B.E (CHEMICAL) revised course, *hence*, students will have to reappear for the same subject Catalysis (El – III).

H.O.D.

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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of (MCA Third Year) Part-I & II Pre-revised course to Revised course of B.E. (MCA Third Year) Part-I & II effective from Academic Year 2016-17

Sr.	B.E. (Computer Science & Engg.) Pre-revised(100 Marks Pattern)	Equivalent subject in (MCA Third Year) revised Course (80/20 Marks Pattern)
1.	Software Testing	Cloud Computing-MCA 303
2.	Professional Ethics & Cyber	Cyber Security- MCA 302
3.	Business Processes	Enterprise Resource Planning- MCA 304
4.	Mobile Computing (Elective-I)	Mobile Computing - MCA 331
5.	Multimedia Systems (Elective-I)	Mobile Computing - MCA 331

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Engineering correspondence

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Equivalent subjects of B.E. (Electronics & Communication) Part-I & II Pre-revised course to Revised course of B.E. (E & C) Part-I & II effective from Academic Year 2016-17

Sr. No	B.E. (E & C) Pre-revised (100 Marks Pattern)	Equivalent subject in B.E. (E & C) revised course (80/20 Marks Pattern)
1.	Computer Networks	Computer Communication Networks – 451
2.	Embedded systems	Embedded systems – 402
3.	Optical & Microwave Communications	Optic Fiber Communication – 452
4.	Telecommunication Networks & Mgt.	Microwave & Radar Engg – 491
5.	Voice Network (EI-I)	Artificial Neural N/W & Fuzzy logic – 441
6.	Digital Image Processing (EI-I)	Digital Image Processing 401
7.	Android Programming (EL-I)	Android Programming – 445
8.	Information Security (EI-I)	Biomedical Engg – 443
9.	VLSI Design	VLSI Design – 403
10.	Wireless Communication & Networks	Wireless & Mobile Communication – 442
11.	Radar & Satellite Communications	Satellite Communications – 494
12.	Mobile Computing (EL-II)	Antenna Theory & Wave Propagation – 491
13.	Advanced Digital Signal Processing (EI-II)	Applied Digital Signal Processing – 454
14.	Advance Industrial Automation (EI-II)	Advance Industrial Automation – 444
15.	Artificial Intelligence (EI-II)	Robotics – 493
16.	I Phone Programming (EI-II)	I Phone Programming - 495

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