



GOVERNMENT POLYTECHNIC, MUMBAI

49, Kherwadi Ali Yawar Jung Marg, Bandra (East), Mumbai 400051
E-mail : gpmumbai@gpmumbai.ac.in / Web : www.gpmumbai.ac.in

EXAMINATION CELL

Outward No : GPM/10.9/2021/Equivalence/232-A

Date: 08/11/2021

Office Order

Subject : Equivalence of Courses P16 to P19

With reference to above subject, this is inform to all concerned students that the students of First to Sixth semester of P16 schemes who have failed in the courses mentioned below will have now to appear for the equivalent courses from P19 scheme curriculum as approved by the program wise Board of Studies/ Board of Studies from ODD 2021-22 examination. The old courses and equivalent course in P-2019 scheme are as mentioned in the following table.

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
|-------------|-------------|-----------------|-------------------------|--------------|-------------------------|--|---------------------|
| CE | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILL | Theory |
| CE | 1 | CO16201 | COMPUTER FUNDAMENTALS | PR | CE19102 | LIBRE OFFICE CALE ON BOSS LINUX (9) (SPOKEN TUTORIALS) | MOOC |
| CE | 1 | SC16105 | ENGINEERING CHEMISTRY | Theory | SC19107 | ENGINEERING CHEMISTRY | Theory |
| CE | 1 | ME16201 | ENGINEERING DRAWING-I | TW/PR | ME19201 | ENGINEERING DRAWING-I | PR/TW |
| CE | 1 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW |
| CE | 1 | HU16103 | GENERIC SKILLS | ORAL | | NO EQUIVALENCE | ORAL/ TW |
| CE | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| CE | 1 | WS16201 | WORKSHOP PRACTICE | TW | WS19201 | WORKSHOP PRACTICE | TW |
| CE | 2 | CE16201 | BUILDING CONSTRUCTION | Theory | CE19301 | CONSTRUCTION TECHNOLOGY | Theory |
| CE | 2 | CE16203 | BUILDING DRAWING | PR/TW | CE19201 | BUILDING DRAWING | PR/TW |
| CE | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE | ORAL |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| CE | 2 | CE16203 | BUILDING DRAWING | PR/TW | CE19201 | BUILDING DRAWING | PR/TW |
| CE | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE | ORAL |
| CE | 2 | AM16201 | ENGINEERING MECHANICS | Theory | AM19201 | ENGINEERING MECHANICS | Theory |
| CE | 2 | SC16104 | ENGINEERING PHYSICS | Theory | SC19102 | ENGINEERING PHYSICS | Theory |
| CE | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| CE | 2 | CE16202 | SURVEYING | Theory | CE19202 | SURVEYING I | Theory |
| CE | 3 | CE16301 | ADVANCED CONSTRUCTION PRACTICE | TW/ORAL | | NO EQUIVALENCE | TW/ORAL |
| CE | 3 | CE16303 | COMPUTER AIDED DRAFTING | PR/TW | CE19403 | COMPUTER AIDED DRAFTING | PR/TW |
| CE | 3 | AM16203 | CONCRETE TECHNOLOGY | Theory | AM19402 | CONCRETE TECHNOLOGY | Theory |
| CE | 3 | CE16205 | HIGHWAY ENGINEERING | Theory | CE19302 | TRANSPORTATION ENGINEERING | Theory |
| CE | 3 | CE16204 | HYDRAULICS | Theory | CE19401 | HYDRAULICS | Theory |
| CE | 3 | AM16202 | MECHANICS OF STRUCTURE | Theory | AM19301 | MECHANICS OF STRUCTURE | Theory |
| CE | 3 | CE16306 | WATER SUPPLY ENGINEERING | Theory | CE19402 | ENVIRONMENTAL ENGINEERING | Theory |
| CE | 4 | CE16302 | ADVANCED SURVEYING | Theory | CE19303 | SURVEYING II | Theory |
| CE | 4 | CE16501 | CONSTRUCTION MANAGEMENT | Theory | CE19504 | CONSTRUCTION MANAGEMENT | Theory |
| CE | 4 | CE16403 | MATERIAL MANAGEMENT | TW/ORAL | CE19406 | MATERIAL MANAGEMENT | Theory |
| CE | 4 | CE16402 | PLUMBING & SANITARY SERVICES | TW/ORAL | CE19405 | BUILDING SERVICES & MAINTENANCE | Theory |
| CE | 4 | CE16206 | RAILWAY & BRIDGE ENGINEERING | Theory | CE19302 | TRANSPORTATION ENGINEERING | Theory |
| CE | 4 | CE16401 | REPAIRS & REHABILITATION OF BUILDING | TW/ORAL | CE19404 | REPAIRS & REHABILITATION OF BUILDING | Theory |
| CE | 4 | CE16404 | SAFETY & QUALITY CONTROL | TW/ORAL | CE19407 | SAFETY & QUALITY CONTROL | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| CE | 4 | CE16307 | SANITARY ENGINEERING | Theory | CE19402 | ENVIRONMENTAL ENGINEERING | Theory |
| CE | 4 | AM16304 | SOIL MECHANICS | Theory | AM19302 | SOIL MECHANICS | Theory |
| CE | 4 | AM16301 | THEORY OF STRUCTURES | Theory | AM19401 | THEORY OF STRUCTURES | Theory |
| CE | 5 | AM16403 | ADVANCED DESIGN OF STRUCTURES | Theory | | NO EQUIVALENCE | Theory |
| CE | 5 | AM16402 | ADVANCED GEOTECHNICAL ENGINEERING | Theory | AM19503 | ADVANCED GEOTECHNICAL ENGINEERING | Theory |
| CE | 5 | CE16309 | CONTRACTS, ACCOUNTS AND VALUATION | Theory | CE19502 | CONTRACTS, ACCOUNTS AND VALUATION | Theory |
| CE | 5 | AM16302 | DESIGN OF RCC AND STEEL STRUCTURES | Theory | AM19501 | DESIGN OF REINFORCED CONCRETE AND STEEL STRUCTURES | Theory |
| CE | 5 | MG16502 | ENTREPRENEURSHIP DEVELOPMENT | TW/ORAL | CE19507 | ENTREPRENEURSHIP (NPTEL) | MOOC |
| CE | 5 | CE16304 | ESTIMATING AND COSTING | Theory | CE19501 | ESTIMATING AND COSTING | Theory |
| CE | 5 | CE16305 | IRRIGATION ENGINEERING | Theory | CE19503 | IRRIGATION ENGINEERING | Theory |
| CE | 5 | AM16401 | PRESTRESSED AND PRECAST CONCRETE | Theory | AM19502 | PRESTRESSED AND PRECAST CONCRETE | Theory |
| CE | 5 | CE16308 | PROJECT | TW/ORAL | CE19506 | PROJECT | TW/ORAL |
| CE | 5 | CE16405 | SOLID WASTE MANAGEMENT | Theory | CE19505 | SOLID WASTE MANAGEMENT | Theory |
| CE | 6 | CE16410 | INDUSTRIAL TRAINING | TW/ORAL | CE19601 | IN PLANT TRAINING | TW/ORAL |
| CO | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| CO | 1 | CO16204 | BASICS OF COMPUTER ENGINEERING | PR/TW | | COMPLETED THROUGH SPOKEN TUTORIAL/MSCIT | No Theory |
| CO | 1 | CO16203 | COMPUTER WORKSHOP | PR | | COMPLETED THROUGH SPOKEN TUTORIAL | No Theory |

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| CO | 1 | ME16201 | ENGINEERING DRAWING-I | PR/TW | | COMPLETED THROUGH SPOKEN TUTORIAL | |
| CO | 1 | SC16104 | ENGINEERING PHYSICS | Theory | SC19103 | APPLIED PHYSICS | Theory |
| CO | 1 | EE16201 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory | EE19206 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory |
| CO | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| CO | 2 | EC16204 | BASICS OF ELECTRONICS ENGINEERING | Theory | EC19210 | BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING | Theory |
| CO | 2 | SC16106 | CHEMISTRY OF ENGINEERING MATERIALS | Theory | SC19106 | APPLIED CHEMISTRY | Theory |
| CO | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE | ORAL |
| CO | 2 | HU16103 | GENERIC SKILL | ORAL | | STUDENT CENTERED ACTIVITY/SOFT SKILL AND PERSONALITY MOOC | ORAL |
| CO | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| CO | 2 | IT16202 | PROGRAMMING IN C | Theory | IT19202 | LOGIC DEVELOPMENT USING PROGRAMMING C | Theory |
| CO | 2 | IT16203 | WEB TECHNOLOGY | PR/TW | CO19201 | WEB PAGE DESIGN | PR |
| CO | 3 | CO16304 | COMPUTER HARDWARE & MAINTENANCE | Theory | CO19203 | COMPUTER HARDWARE & MAINTENANCE | PR |
| CO | 3 | CO16302 | DATA STRUCTURES | Theory | CO19204 | DATA STRUCTURE | Theory |
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| CO | 3 | IT16204 | DIGITAL TECHNIQUES | Theory | IT19204 | DIGITAL TECHNIQUES | Theory |
| CO | 3 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW |

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| CO | 3 | CO16303 | OBJECT ORIENTED PROGRAMMING(OL) | OL | CO19202 | PROGRAMMING IN C++ | Theory |
| CO | 3 | CO16305 | PRINCIPLES OF DATABASE MANAGEMENT SYSTEMS | Theory | CO19306 | DATABASE MANAGEMENT SYSTEMS | Theory |
| CO | 3 | CO16306 | PROFESSIONAL PRACTICES | TW | | STUDENT CENTERED ACTIVITY/SOFT SKILL AND PERSONALITY MOOC | MOOC |
| CO | 4 | CO16402 | ADVANCE WEB PAGE DESIGN | PR/TW | CO19401 | ADVANCED WEB DEVELOPMENT | PR |
| CO | 4 | CO16309 | COMPUTER NETWORKS | Theory | CO19305 | COMPUTER NETWORKS | Theory |
| CO | 4 | MG16502 | ENTREPRENEURS HIP DEVELOPMENT | TW/ORAL | IT19501 | ENTREPRENEUR SHIP AND START-UPS | PR/TW |
| CO | 4 | CO16307 | JAVA PROGRAMMING | Theory | CO19303 | PROGRAMMING IN JAVA | Theory |
| CO | 4 | CO16205 | MICROPROCESSOR | Theory | IT19207 | MICROPROCESSOR | Theory |
| CO | 4 | CO16401 | OBJECT ORIENTED MODELING & DESIGNING | Theory | | NO EQUIVALENCE | Theory |
| CO | 4 | CO16501 | SOFTWARE ENGINEERING | Theory | CO19207 | SOFTWARE ENGINEERING | Theory |
| CO | 5 | CO16403 | ADVANCED DATABASE TECHNOLOGY | Theory | CO19311 | NEXT GENERATION DATABASES | Theory |
| CO | 5 | CO16406 | DATA WAREHOUSING & DATA MINING | Theory | | NO EQUIVALENCE | Theory |
| CO | 5 | CO16408 | FUNCTIONAL PROGRAMMING USING PYTHON | PR | CO19304 | FUNCTIONAL PROGRAMMING IN PYTHON | PR |
| CO | 5 | CO16418 | INDUSTRIAL TRAINING-I | TW/ORAL | | NO EQUIVALENCE | TW/ORAL |
| CO | 5 | IT16402 | MICROCONTROLLER & EMBEDDED SYSTEMS | Theory | | NO EQUIVALENCE | Theory |
| CO | 5 | CO16405 | MOBILE APPLICATION DEVELOPMENT | Theory | CO19309 | MOBILE APPLICATION DEVELOPMENT | Theory |

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| CO | 5 | CO16407 | OPEN SOURCE TECHNOLOGY | | CO19310 | PHP, MySQL (SPOKEN TUTORIAL) | MOOC |
| CO | 5 | IT16308 | OPERATING SYSTEM | Theory | CO19206 | OPERATING SYSTEM | Theory |
| CO | 5 | CO16301 | PROJECT AND SEMINAR STAGE I | | | NO EQUIVALENCE | |
| CO | 5 | CO16409 | TECHNICAL WRITING | TW | CO19307 | LATEX SPOKEN TUTORIAL | MOOC |
| CO | 5 | CO16404 | WEB APPLICATION DEVELOPMENT USING ADVANCED JAVA | OL Theory | CO19308 | ADVANCED PROGRAMMING IN JAVA | PR |
| CO | 6 | CO16415 | CLOUD APPLICATION | PR/TW | CO19405 | CLOUD COMPUTING | No Theory |
| CO | 6 | CO16411 | COMPUTER SECURITY | Theory | CO19313 | COMPUTER SECURITY | Theory |
| CO | 6 | CO16412 | DATA ANALYTICS USING R | Theory | CO19406 | DATA ANALYTICS USING R | Theory |
| CO | 6 | CO16420 | INDUSTRIAL TRAINING-II | | | NO EQUIVALENCE | |
| CO | 6 | CO16417 | LINUX ADMINISTRATION | TW | CO19205 | LINUX OS (SPOKEN TUTORIAL) | MOOC |
| CO | 6 | CO16416 | MULTIMEDIA AND ANIMATION | PR/TW | CO19301 | MULTIMEDIA & VIDEO CREATION | PR |
| CO | 6 | CO16413 | NETWORK MANAGEMENT AND ADMINISTRATION | Theory | CO19404 | NETWORK MANAGEMENT AND ADMINISTRATION | Theory |
| CO | 6 | CO16308 | PROJECT AND SEMINAR STAGE II | | | NO EQUIVALENCE | |
| CO | 6 | CO16414 | ROBOTICS | PR/TW | CO19403 | INTERNET OF THINGS | No Theory |
| CO | 6 | CO16410 | SOFTWARE TESTING | Theory | CO19312 | SOFTWARE TESTING | Theory |
| EC | 5 | EC16409 | EMBEDDED OPERATING SYSTEM | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |

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| EC | 5 | EC16410 | NETWORK PLANNING AND MANAGEMENT | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| EC | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| EC | 1 | EC16205 | ELECTRONIC WORKSHOP | ORAL | EC19201 | ELECTRONICS COMPONENTS AND WORKSHOP | ORAL |
| EC | 1 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19201 | ENGINEERING DRAWING-I | PR/TW |
| EC | 1 | SC16104 | ENGINEERING PHYSICS | Theory | SC19104 | PHYSICS | Theory |
| EC | 1 | EE16201 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory | EE19210 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory |
| EC | 1 | HU16103 | GENERIC SKILLS | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| EC | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| EC | 2 | EC16201 | BASIC ELECTRONICS | Theory | EC19203 | BASIC ELECTRONICS | Theory |
| EC | 2 | SC16106 | CHEMISTRY OF ENGINEERING MATERIALS | Theory | | LIBRE OFFICE IMPRESS ON BOSS LINUX - MOOC (AS PER DISCUSSION WITH PRINCIPAL MADAM AND DECISION TAKEN IN PBOS MEETING) | Theory |
| EC | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |

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| EC | 2 | EC16203 | ELECTRONIC MATERIALS AND COMPONENTS | Theory | EC19201 | ELECTRONIC MATERIALS AND COMPONENTS | Theory |
| EC | 2 | HU16104 | ENVIRONMENTAL STUDIES | ORAL | HU19102 | ENVIRONMENTAL STUDIES | ORAL |
| EC | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| EC | 2 | WS16201 | WORKSHOP PRACTICE | TW | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | TW |
| EC | 3 | EC16301 | APPLIED ELECTRONICS AND TRANSDUCER | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| EC | 3 | CO16202 | C PROGRAMMING | PR | EC19211 | C AND A++ - MOOC | MOOC |
| EC | 3 | EC16208 | DIGITAL ELECTRONICS | Theory | EC19206 | DIGITAL ELECTRONICS | Theory |
| EC | 3 | EC16206 | INTRODUCTION TO COMMUNICATION | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| EC | 3 | EC16207 | INTRODUCTION TO NETWORKING | Theory | EC19404 | COMPUTER NETWORK | Theory |
| EC | 3 | EC16302 | LINEAR INTEGRATED CIRCUIT AND APPLICATIONS | Theory | EC19302 | LINEAR INTEGRATED CIRCUIT AND APPLICATIONS | Theory |
| EC | 4 | EC16303 | COMMUNICATION NETWORK PROTOCOL | Theory | CO19305 | COMPUTER NETWORKS | Theory |
| EC | 4 | EC16404 | DIGITAL SIGNAL PROCESSING | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |

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| EC | 4 | EC16403 | EMBEDDED SYSTEM | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| EC | 4 | EC16402 | MICROCONTROLLER | Theory | EC19401 | MICROCONTROLLER @ | Theory |
| EC | 4 | EC16304 | POWER ELECTRONICS | Theory | EC19303 | POWER ELECTRONICS | Theory |
| EC | 4 | EC16305 | PROFESSIONAL PRACTICE | TW | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | TW |
| EC | 5 | EC16406 | ADVANCE MICROCONTROLLER | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| EC | 5 | EC16408 | FIBER OPTICS COMMUNICATION | Theory | EC19405 | ELECTIVE I FIBRE OPTIC COMMUNICATION | Theory |
| EC | 5 | MG16501 | INDUSTRIAL ORGANIZATION AND MANAGEMENT | Theory | | EDP ABD MANAGEMENT | Theory |
| EC | 5 | EC16307 | INDUSTRIAL TRAINING-I | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| EC | 5 | EC16407 | NETWORK SECURITY | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| EC | 5 | EC16306 | PROJECT AND SEMINAR STAGE I | ORAL | EC19304 | PROJECT AND SEMINAR | ORAL |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| EC | 5 | EC16405 | RED HAT LINUX | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| EC | 5 | EC16417 | VERY LARGE SCALE INTEGRATION | ORAL | EC19410 | ELECTIVE 2 VERY LARGE SCALE INTEGRATION | ORAL |
| EC | 6 | EC16413 | ADVANCE COMMUNICATION SYSTEMS | Theory | EC19409 | ADVANCE COMMUNICATION | Theory |
| EC | 6 | EC16412 | CONSUMER ELECTRONICS | Theory | EC19408 | CONSUMER ELECTRONICS | Theory |
| EC | 6 | EC16414 | CONTROL SYSTEM | Theory | EC19403 | CONTROL SYSTEM | Theory |
| EC | 6 | EC16309 | INDUSTRIAL TRAINING-II | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| EC | 6 | EC16411 | MOBILE COMMUNICATION | Theory | EC19406 | ELECTIVE I MOBILE COMMUNICATION | Theory |
| EC | 6 | EC16416 | PLC AND SCADA | TW/ORAL | EC19411 | AUTOMATION | Theory |
| EC | 6 | EC16308 | PROJECT STAGE II | ORAL | EC19304 | PROJECT AND SEMINAR | ORAL |
| EC | 6 | EC16415 | ROBOTICS | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| IS | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| IS | 1 | CO16201 | COMPUTER FUNDAMENTALS | OL | | NO EQUIVALENCE | OL |
| IS | 1 | SC16104 | ENGINEERING PHYSICS | Theory | SC19101 | BASIC PHYSICS | Theory |
| IS | 1 | EE16201 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory | EE19206 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory |
| IS | 1 | HU16103 | GENERIC SKILLS | ORAL | | NO EQUIVALENCE | ORAL |

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| IS | 1 | IS16201 | INSTRUMENTATION WORKSHOP PRACTICE | PR/TW | IS19202 | INSTRUMENTATION WORKSHOP PRACTICE | PR/TW |
| IS | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| IS | 2 | EC16204 | BASICS OF ELECTRONIC ENGINEERING | Theory | IS19206 | BASICS OF ELECTRONIC ENGINEERING | Theory |
| IS | 2 | SC16106 | CHEMISTRY OF ENGINEERING MATERIALS | Theory | SC19106 | APPLIED CHEMISTRY | Theory |
| IS | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE | ORAL |
| IS | 2 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19201 | ENGINEERING DRAWING-I | PR/TW |
| IS | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| IS | 2 | IS16202 | PRINCIPLES OF MEASUREMENT | Theory | IS19201 | PRINCIPLES OF MEASUREMENT | Theory |
| IS | 2 | WS16201 | WORKSHOP PRACTICE | TW | WS19201 | WORKSHOP PRACTICE | TW |
| IS | 3 | CO16202 | C PROGRAMMING | OL | IS19312 | C AND CPP (SPOKEN TUTORIAL) | MOOC |
| IS | 3 | IS16204 | CONTROL SYSTEM COMPONENTS | Theory | IS19205 | CONTROL SYSTEM COMPONENTS | Theory |
| IS | 3 | IT16204 | DIGITAL TECHNIQUES | Theory | IT19204 | DIGITAL TECHNIQUES | Theory |
| IS | 3 | EE16206 | ELECTRICAL MACHINES | Theory | EE19211 | ELECTRICAL MACHINES | Theory |
| IS | 3 | IS16205 | ELECTRONIC DEVICES AND CIRCUITS | Theory | | NO EQUIVALENCE | Theory |
| IS | 3 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW/ORAL |
| IS | 3 | IS16203 | PROCESS MEASUREMENT I | Theory | | NO EQUIVALENCE | Theory |
| IS | 3 | IS16301 | PROFESSIONAL PRACTICE | TW | | NO EQUIVALENCE | TW |
| IS | 4 | ME16315 | DRAFTING PRACTICES | TW | | NO EQUIVALENCE | TW |
| IS | 4 | IS16207 | ELECTRONIC MEASURING INSTRUMENTS | OL Theory | | NO EQUIVALENCE | OL Theory |

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| IS | 4 | IS16302 | INSTRUMENTATION CIRCUITS DESIGN | Theory | IS19304 | INSTRUMENTATION CIRCUITS DESIGN | Theory |
| IS | 4 | IS16303 | MICROCONTROLLER | Theory | IS19307 | MICROCONTROLLER | Theory |
| IS | 4 | IS16306 | MINI PROJECT | TW | | NO EQUIVALENCE | TW |
| IS | 4 | IS16304 | POWER ELECTRONICS | Theory | | NO EQUIVALENCE | Theory |
| IS | 4 | IS16206 | PROCESS MEASUREMENT - II | Theory | IS19203 | INDUSTRIAL MEASUREMENTS | Theory |
| IS | 4 | IS16305 | PROFESSIONAL SOFTWARE | PR | | NO EQUIVALENCE | PR |
| IS | 5 | IS16402 | ANALYTICAL INSTRUMENTATION | Theory | IS19401 | ANALYTICAL INSTRUMENTATION | Theory |
| IS | 5 | IS16308 | BIOMEDICAL INSTRUMENTATION | Theory | IS19305 | BIOMEDICAL INSTRUMENTATION | Theory |
| IS | 5 | EC16403 | EMBEDDED SYSTEM | Theory | IS19406 | ADVANCE EMBEDDED SYSTEM | Theory |
| IS | 5 | MG16501 | INDUSTRIAL ORGANIZATION AND MANAGEMENT | OLTheory | | NO EQUIVALENCE | OL Theory |
| IS | 5 | IS16310 | INDUSTRIAL TRAINING | | | NO EQUIVALENCE | |
| IS | 5 | IS16401 | MECHATRONICS | Theory | | NO EQUIVALENCE | Theory |
| IS | 5 | IS16307 | PROCESS CONTROL SYSTEMS | Theory | IS19301 | PROCESS CONTROL SYSTEMS | Theory |
| IS | 5 | IS16311 | PROJECT AND SEMINAR STAGE I | ORAL | IS19309 | PROJECT** | ORAL |
| IS | 5 | IS16309 | UNIT OPERATIONS & INSTRUMENTATION | Theory | IS19306 | UNIT OPERATIONS & INSTRUMENTATION | Theory |
| IS | 6 | IS16405 | BUILDING AUTOMATION | Theory | IS19403 | BUILDING AUTOMATION | Theory |
| IS | 6 | IS16403 | DISTRIBUTED CONTROL SYSTEMS | Theory | IS19404 | DISTRIBUTED CONTROL SYSTEMS | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| IS | 6 | MG16502 | ENTREPRENEURSHIP DEVELOPMENT | TW/ORAL | | NO EQUIVALENCE | TW/ORAL |
| IS | 6 | IS16314 | FEEDBACK CONTROL SYSTEMS | Theory | | NO EQUIVALENCE | Theory |
| IS | 6 | IS16313 | INDUSTRIAL AUTOMATION | Theory | IS19303 | INDUSTRIAL AUTOMATION | Theory |
| IS | 6 | IS16315 | INPLANT TRAINING | | | NO EQUIVALENCE | |
| IS | 6 | IS16312 | MAINTENANCE OF INSTRUMENTS AND SYSTEMS | Theory | IS19302 | MAINTENANCE OF INSTRUMENTS AND SYSTEMS | Theory |
| IS | 6 | IS16404 | POWER PLANT INSTRUMENTATION | Theory | IS19402 | POWER PLANT INSTRUMENTATION | Theory |
| IS | 6 | IS16316 | PROJECT AND SEMINAR STAGE II | TW/ORAL | IS19309 | PROJECT** | TW/ORAL |
| ME | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| ME | 1 | CO16201 | COMPUTER FUNDAMENTALS | PR | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | PR |
| ME | 1 | SC16105 | ENGINEERING CHEMISTRY | Theory | SC19107 | ENGINEERING CHEMISTRY | Theory |
| ME | 1 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19201 | ENGINEERING DRAWING-I | PR/TW |
| ME | 1 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW/ORAL |
| ME | 1 | HU16103 | GENERIC SKILLS | ORAL | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| ME | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| ME | 1 | WS16201 | WORKSHOP PRACTICE | TW | WS19201 | WORKSHOP PRACTICE | TW |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| ME | 2 | CO16202 | C PROGRAMMING | PR | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | PR |
| ME | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| ME | 2 | EE16203 | ELECTRICAL TECHNOLOGY | Theory | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| ME | 2 | ME16202 | ENGINEERING DRAWING-II | Theory | ME19202 | ENGINEERING DRAWING-II | Theory |
| ME | 2 | AM16201 | ENGINEERING MECHANICS | Theory | AM19201 | ENGINEERING MECHANICS | Theory |
| ME | 2 | SC16104 | ENGINEERING PHYSICS | Theory | SC19102 | ENGINEERING PHYSICS | Theory |
| ME | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| ME | 3 | ME16205 | BASIC THERMODYNAMICS | Theory | ME19205 | BASIC THERMODYNAMICS | Theory |
| ME | 3 | EC16210 | FUNDAMENTAL OF ELECTRONICS | PR/TW | | NO EQUIVALENCE COURSE IN P-19, SHOULD BE COMPLETED ACROSS THE TABLE | PR/TW |
| ME | 3 | ME16308 | HYDRAULIC MACHINES | Theory | ME19207 | FLUID MECHANICS AND MACHINERY | Theory |
| ME | 3 | ME16301 | MACHINE DRAWING | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| ME | 3 | AM16204 | STRENGTH OF MATERIAL | Theory | ME19210 | STRENGTH OF MATERIAL | Theory |
| ME | 3 | ME16204 | THEORY OF MACHINES | Theory | ME19206 | THEORY OF MACHINES | Theory |
| ME | 4 | ME16304 | APPLIED THERMODYNAMIC | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| ME | 4 | ME16302 | COMPUTER AIDED DRAFTING | PR/TW | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | PR/TW |
| ME | 4 | MG16502 | ENTREPRENEURSHIP DEVELOPMENT | TW/ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | TW/ORAL |
| ME | 4 | ME16401 | INDUSTRIAL HYDRAULIC & PNEUMATICS | Theory | ME19302 | INDUSTRIAL HYDRAULIC & PNEUMATICS | Theory |
| ME | 4 | ME16305 | MANUFACTURING PROCESSES | Theory | ME19203 | MANUFACTURING PROCESSES | Theory |
| ME | 4 | ME16309 | PHYSICAL METALLURGY & MATERIALS | Theory | ME19309 | MATERIALS TECHNOLOGY | Theory |
| ME | 4 | ME16307 | PRODUCTION & INDUSTRIAL ENGINEERING | Theory | ME19307 | PRODUCTION & INDUSTRIAL ENGINEERING | Theory |
| ME | 5 | ME16306 | ADVANCE MANUFACTURING PROCESS | Theory | ME19306 | ADVANCE MANUFACTURING PROCESS | Theory |
| ME | 5 | ME16406 | BASICS OF MECHATRONICS | Theory | ME19312 | BASICS OF MECHATRONICS | Theory |
| ME | 5 | ME16311 | DESIGN OF MACHINE ELEMENTS | Theory | ME19311 | DESIGN OF MACHINE ELEMENTS | Theory |
| ME | 5 | MG16501 | INDUSTRIAL ORGANIZATION AND MANAGEMENT | OL Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | OL Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| ME | 5 | ME16310 | METROLOGY AND QUALITY CONTROL | Theory | ME19310 | METROLOGY AND QUALITY CONTROL | Theory |
| ME | 5 | ME16404 | POWER PLANT ENGINEERING | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| ME | 5 | ME16312 | PROJECT | TW/ORAL | ME19308 | PROJECT | TW/ORAL |
| ME | 5 | ME16402 | RAC-AUTO | Theory | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | Theory |
| ME | 5 | ME16303 | SOLID MODELLING | PR/TW | ME19303 | SOLID MODELING | PR/TW |
| ME | 5 | ME16403 | TOOL ENGINEERING | Theory | ME19405 | TOOL ENGINEERING | Theory |
| ME | 6 | ME16405 | INPLANT TRAINING | TW/ORAL | ME19313 | INPLANT TRAINING | TW/ORAL |
| IF | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| IF | 1 | IT16201 | BASICS OF INFORMATION TECHNOLOGY | PR/TW | | MSCIT | No Theory |
| IF | 1 | SC16106 | CHEMISTRY OF ENGINEERING MATERIALS | Theory | SC19107 | ENGINEERING CHEMISTRY | Theory |
| IF | 1 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19201 | ENGINEERING DRAWING I OF MECHANICAL DEPT. | PR/TW |
| IF | 1 | EE16201 | FUNDAMENTALS OF ELECTRICAL ENGINEERING | Theory | EC19210 | BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING | Theory |
| IF | 1 | HU16103 | GENERIC SKILLS | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| IF | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| IF | 2 | EC16204 | BASICS OF ELECTRONIC ENGINEERING | Theory | EC19210 | BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING | Theory |
| IF | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | | NO EQUIVALENCE SHOULD BE COMPLETED ACROSS THE TABLE | ORAL |
| IF | 2 | SC16104 | ENGINEERING PHYSICS | Theory | SC19103 | APPLIED PHYSICS | Theory |
| IF | 2 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW/ORAL |
| IF | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| IF | 2 | IT16202 | PROGRAMMING IN C | Theory | IT19202 | LOGIC DEVELOPMENT USING PROGRAMMING C | Theory |
| IF | 2 | IT16203 | WEB TECHNOLOGY | PR/TW | IT19201 | WEB TECHNOLOGY | PR |
| IF | 3 | IT16302 | COMPUTER PERIPHERAL AND MAINTENANCE(OL) | Theory | CO19203 | COMPUTER HARDWARE & MAINTENANCE | PR |
| IF | 3 | IT16205 | DATA COMMUNICATION | Theory | IT19206 | DATA COMMUNICATION | Theory |
| IF | 3 | IT16303 | DATABASE MANAGEMENT SYSTEM | Theory | CO19306 | DATABASE MANAGEMENT SYSTEM | Theory |
| IF | 3 | IT16204 | DIGITAL TECHNIQUES | Theory | IT19204 | DIGITAL TECHNIQUES | Theory |
| IF | 3 | IT16206 | OBJECT ORIENTED PROGRAMMING USING C++ | Theory | CO19202 | PROGRAMMING IN C++ | Theory |
| IF | 3 | IT16301 | PROFESSIONAL PRACTICE | TW | | 2 WEEKS INDUSTRIAL TRAINING | |
| IF | 3 | IT16304 | UID PROGRAMMING | PR/TW | IT19305 | UID PROGRAMMING | PR |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| IF | 4 | IT16306 | COMPUTER NETWORKING | Theory | CO19305 | COMPUTER NETWORKS | Theory |
| IF | 4 | IT16305 | DATA STRUCTURE & APPLICATIONS | Theory | CO19204 | DATA STRUCTURE | Theory |
| IF | 4 | MG16502 | ENTREPRENEURS HIP DEVELOPMENT | TW/ORAL | IT19501 | ENTREPRENEURSHIP AND START-UPS | TW/ORAL |
| IF | 4 | CO16307 | JAVA PROGRAMMING | Theory | CO19303 | PROGRAMMING IN JAVA | Theory |
| IF | 4 | CO16205 | MICROPROCESSOR | Theory | IT19207 | MICROPROCESSOR | Theory |
| IF | 4 | IT16307 | MULTIMEDIA TECHNIQUES | PR/TW | IT19302 | MULTIMEDIA TECHNOLOGY | PR |
| IF | 4 | IT16308 | OPERATING SYSTEM | Theory | CO19206 | OPERATING SYSTEM | Theory |
| IF | 5 | CO16403 | ADVANCE DATABASE TECHNOLOGY | Theory | CO19311 | NEXT GENERATION DATABASES | Theory |
| IF | 5 | IT16314 | ADVANCED JAVA PROGRAMMING | Theory | CO19308 | ADVANCE PROGRAMMING IN JAVA | Theory |
| IF | 5 | IT16311 | ADVANCED WEB TECHNOLOGY | PR/TW | CO19401 | ADVANCED WEB TECHNOLOGY | MOOC |
| IF | 5 | IT16313 | INDUSTRIAL TRAINING | TW/ORAL | | INDUSTRIAL TRAINING OF 4 WEEKS | |
| IF | 5 | IT16309 | INFORMATION SECURITY | Theory | IT19308 | NETWORK AND INFORMATION SECURITY | Theory |
| IF | 5 | IT16310 | LINUX OPERATING SYSTEM | Theory | | NO EQUIVALENCE | NA |
| IF | 5 | IT16402 | MICROCONTROLLER AND EMBEDDED SYSTEMS | Theory | IT19304 | MICROCONTROLLER AND EMBEDDED SYSTEMS | Theory |
| IF | 5 | IT16312 | PROJECT AND SEMINAR STAGE I | ORAL | | NO EQUIVALENCE | ORAL |
| IF | 5 | IT16401 | PYTHON PROGRAMMING | Theory | IT19401 | PYTHON PROGRAMMING | Theory |
| IF | 5 | CO16501 | SOFTWARE ENGINEERING | Theory | CO19207 | SOFTWARE ENGINEERING | Theory |
| IF | 6 | IT16403 | BIG DATA | Theory | IT19403 | INTRODUCTION TO BIG DATA AND HADOOP | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| IF | 6 | IT16315 | CLOUD COMPUTING | Theory | CO19405 | CLOUD COMPUTING | Theory |
| IF | 6 | IT16405 | GEOGRAPHICAL INFORMATION SYSTEM | Theory | IT19403 | GEOGRAPHICAL INFORMATION SYSTEM | Theory |
| IF | 6 | IT16319 | INDUSTRIAL TRAINING | TW/ORAL | | INDUSTRIAL TRAINING OF 2 WEEKS | |
| IF | 6 | IT16404 | INTERNET OF THINGS | Theory | IT19311 | INTERNET OF THINGS (MOOC) | Theory |
| IF | 6 | IT16501 | MANAGEMENT INFORMATION SYSTEM | Theory | | NO EQUIVALENCE | Theory |
| IF | 6 | IT16318 | MOBILE APPLICATION DEVELOPMENT | PR/TW | CO19309 | MOBILE APPLICATION DEVELOPMENT | PR |
| IF | 6 | IT16317 | PROJECT AND SEMINAR STAGE II | TW/ORAL | | NO EQUIVALENCE | TW/ORAL |
| IF | 6 | IT16316 | SOFTWARE TESTING AND QUALITY ASSURANCE | Theory | CO19313 | SOFTWARE TESTING | Theory |
| LG | 1 | SC16102 | BASIC CHEMISTRY | Theory | | COURSE ELIMINATED | Theory |
| LG | 1 | SC16101 | BASIC PHYSICS | Theory | | COURSE ELIMINATED | Theory |
| LG | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| LG | 1 | ME16201 | ENGINEERING DRAWING-I | | | COURSE ELIMINATED | |
| LG | 1 | SC16107 | MATHEMATICS-I | Theory | | COURSE ELIMINATED | Theory |
| LG | 1 | LG16203 | WORKSHOP PRACTICE (FOOTWEAR) | PR/TW | LG19202 | WORKSHOP PRACTICE (OPEN FOOTWEAR-I) | PR/TW |
| LG | 2 | LG16201 | ANATOMY OF FOOTWEAR | Theory | LG19201 | ANATOMY OF FOOTWEAR | Theory |
| LG | 2 | LT16401 | AUTO CAD | TW | LG19404 | QCAD (Mooc) | MOOC |
| LG | 2 | LG16202 | BASIC LEATHER TANNING | Theory | LG19302 | BASIC LEATHER TANNING | Theory |
| LG | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | HU19103 | COMMUNICATION PRACTICE | ORAL |
| LG | 2 | LG16401 | MATERIAL TECHNOLOGY | Theory | LG19401 | MATERIAL TECHNOLOGY | Theory |
| LG | 2 | LT16202 | ORGANIC CHEMISTRY-I | Theory | | COURSE ELIMINATED | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| LG | 3 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19104 | ENVIRONMENTAL STUDIES | TW/ORAL |
| LG | 3 | LG16311 | FOOTWEAR DESIGNING | Theory | LG19307 | FASHION FOR FOOTWEAR | Theory |
| LG | 3 | LG16302 | FOOTWEAR FABRICATION I | Theory | LG19306 | FOOTWEAR FABRICATION I | Theory |
| LG | 3 | LG16301 | LEATHER GARMENT DESIGNING | Theory | | COURSE ELIMINATED | Theory |
| LG | 3 | LG16303 | LEATHER GOODS DESIGNING | Theory | LG19304 | LEATHER GOODS DESIGNING | Theory |
| LG | 3 | LG16309 | POST TANNING OPERATION | Theory | LG19305 | PRINCIPLES OF POST TANNING | Theory |
| LG | 4 | LG16304 | FOOTWEAR FABRICATION - II | Theory | LG19310 | FOOTWEAR FABRICATION - II | Theory |
| LG | 4 | LG16402 | FOOTWEAR STYLING PRACTICE | TW/PR | LG19405 | FOOTWEAR STYLING PRACTICE | PR |
| LG | 4 | LG16306 | LEATHER GARMENT FABRICATION | Theory | | COURSE ELIMINATED | Theory |
| LG | 4 | LG16305 | LEATHER GOODS FABRICATION | Theory | LG19309 | LEATHER GOODS FABRICATION | Theory |
| LG | 4 | LG16406 | LEATHER TESTING | Theory | | COURSE ELIMINATED | Theory |
| LG | 4 | MG16503 | ORGANIZATION & MANAGEMENT IN LEATHER SECTOR | Theory | | COURSE ELIMINATED | Theory |
| LG | 5 | LG16404 | ADVANCE FOOTWEAR DESIGNING | Theory | LG19409 | ADVANCE FOOTWEAR DESIGNING | Theory |
| LG | 5 | MG16502 | ENTREPRENEURS HIP DEVELOPMENT | TW/ORAL | LG19502 | ENTREPRENEURSHIP AND DEVELOPMENT | TW |
| LG | 5 | LG16307 | FOOTWEAR CONSTRUCTION | Theory | LG19313 | FOOTWEAR CONSTRUCTION | Theory |
| LG | 5 | LG16310 | LEATHER FINISHING | | | COURSE ELIMINATED | |
| LG | 5 | LG16308 | LEATHER GOODS PRODUCTION | PR | LG19312 | LEATHER GOODS PRODUCTION | PR |
| LG | 5 | LG16405 | PROJECT AND SEMINAR | TW/ORAL | LG19408 | PROJECT AND SEMINAR | TW/ORAL |
| LG | 5 | LG16403 | QUALITY ASSESSMENT OF MATERIAL | Theory | LG19407 | QUALITY CONTROLLING IN LEATHER SECTOR | Theory |

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| LG | 6 | LG16407 | INPLANT TRAINING | TW/ORAL | LG19410 | INDUSTRIAL TRAINING | TW/ORAL |
| LT | 1 | SC16102 | BASIC CHEMISTRY | Theory | SC19108 | LEATHER CHEMISTRY-I | Theory |
| LT | 1 | SC16101 | BASIC PHYSICS | Theory | SC19105 | LEATHER PHYSICS | Theory |
| LT | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| LT | 1 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19201 | ENGINEERING DRAWING-I | PR/TW |
| LT | 1 | LT16201 | INTRODUCTION OF LEATHER MANUFACTURING | Theory | LT19201 | INTRODUCTION OF LEATHER MANUFACTURING | Theory |
| LT | 1 | SC16107 | MATHEMATICS-I | Theory | SC19111 | MATHEMATICS | Theory |
| LT | 2 | LT16401 | AUTO CAD | TW | LT19401 | QCAD (SPOKEN TUTORIAL) | MOOC |
| LT | 2 | LT16203 | BASIC FOOTWEAR TECHNOLOGY | Theory | LT19203 | BASIC FOOTWEAR TECHNOLOGY | Theory |
| LT | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | HU19101 | COMMUNICATION SKILLS | ORAL |
| LT | 2 | LT16205 | ELECTRICAL MAINTENANCE | TW/PR | LT19205 | ELECTRICAL MAINTENANCE | TW/PR |
| LT | 2 | LT16208 | FUNDAMENTALS OF MECHANICAL ENGINEERING | TW/PR | LT19205 | ELECTRICAL MAINTENANCE | TW/PR |
| LT | 2 | LT16202 | ORGANIC CHEMISTRY-I | Theory | LT19202 | ORGANIC CHEMISTRY-I | Theory |
| LT | 2 | LT16204 | PRINCIPLES OF LEATHER | Theory | LT19204 | PRINCIPLES OF LEATHER | Theory |
| LT | 3 | LT16302 | BASIC LEATHER CHEMISTRY | Theory | LT19302 | LEATHER CHEMISTRY-II | Theory |
| LT | 3 | LT16403 | CHEMICAL ENGINEERING OF LEATHER | Theory | LT19403 | CHEMICAL ENGINEERING OF LEATHER | Theory |
| LT | 3 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | TW/ORAL |
| LT | 3 | LT16303 | FOOTWEAR WORKSHOP PRACTICE-I | PR | LT19303 | FOOTWEAR WORKSHOP PRACTICE-I | PR/TW |
| LT | 3 | LT16207 | INORGANIC CHEMISTRY | Theory | LT19207 | INORGANIC CHEMISTRY | Theory |
| LT | 3 | LT16301 | LEATHER PROCESSING | Theory | LT19308 | LEATHER PROCESSING | Theory |

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| LT | 3 | LT16206 | ORGANIC CHEMISTRY II | Theory | LT19206 | ORGANIC CHEMISTRY II | Theory |
| LT | 4 | LT16402 | BASIC ANALYTICAL CHEMISTRY | Theory | LT19402 | BASIC ANALYTICAL CHEMISTRY | Theory |
| LT | 4 | LT16404 | CHEMISTRY OF DYEING & FINISHING | Theory | LT19404 | CHEMISTRY OF DYEING & FINISHING | Theory |
| LT | 4 | MG16502 | ENTREPRENEURSHIP DEVELOPMENT | TW/ORAL | MG19502 | ENTREPRENEURSHIP & DEVELOPMENT | TW |
| LT | 4 | LT16304 | FOOTWEAR WORKSHOP PRACTICE - II | PR | LT19304 | FOOTWEAR WORKSHOP PRACTICE - II | PR/TW |
| LT | 4 | MG16503 | INDUSTRIAL ORGANIZATION & MANAGEMENT IN LEATHER SECTOR | Theory | MG19503 | INDUSTRIAL ORGANIZATION & MANAGEMENT IN LEATHER SECTOR | Theory |
| LT | 4 | LT16305 | POST TANNING OPERATIONS | Theory | LT19305 | POST TANNING OPERATIONS | Theory |
| LT | 5 | LT16405 | CHEMICAL TESTING OF LEATHER | Theory | LT19405 | CHEMICAL TESTING OF LEATHER | Theory |
| LT | 5 | LT16307 | FOOTWEAR DESIGNING TECHNIQUE | Theory | LT19301 | FOOTWEAR DESIGNING | Theory |
| LT | 5 | LT16306 | LEATHER DRESSING | Theory | LT19306 | LEATHER DRESSING | Theory |
| LT | 5 | LT16406 | PHYSICAL TESTING OF LEATHER | Theory | LT19406 | PHYSICAL TESTING OF LEATHER | Theory |
| LT | 5 | LT16407 | PROJECT AND SEMINAR | TW/ORAL | LT19407 | PROJECT AND SEMINAR | TW/ORAL |
| LT | 6 | LT16408 | INDUSTRIAL TRAINING | TW/ORAL | LT19408 | INPLANT TRAINING | TW/ORAL |
| EE | 1 | HU16101 | BASICS OF COMMUNICATION | Theory | HU19101 | COMMUNICATION SKILLS | Theory |
| EE | 1 | CO16202 | C PROGRAMMING | PR | EE19205 | C PROGRAMMING (SPOKEN TUTORIAL) | MOOC |
| EE | 1 | CO16203 | COMPUTER WORKSHOP | PR | EE19204 | LIBRE-OFFICE CALE (SPOKEN TUTORIAL) | MOOC |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| EE | 1 | AM16201 | ENGINEERING MECHANICS | Theory | | NO EQUIVALENCE | Theory |
| EE | 1 | SC16104 | ENGINEERING PHYSICS | Theory | SC19101 | BASIC PHYSICS | Theory |
| EE | 1 | HU16103 | GENERIC SKILL | ORAL | | NO EQUIVALENCE | ORAL |
| EE | 1 | SC16107 | MATHEMATICS-I | Theory | SC19109 | BASIC MATHEMATICS | Theory |
| EE | 1 | WS16201 | WORKSHOP PRACTICE | TW | | NO EQUIVALENCE | TW |
| EE | 2 | EE16202 | BASIC ELECTRICAL ENGINEERING | Theory | EE19201 | BASIC ELECTRICAL ENGINEERING | Theory |
| EE | 2 | SC16106 | CHEMISTRY OF ENGINEERING MATERIALS | Theory | SC19106 | APPLIED CHEMISTRY | Theory |
| EE | 2 | HU16102 | COMMUNICATION SKILLS | ORAL | HU19101 | COMMUNICATION SKILLS | ORAL |
| EE | 2 | EC16202 | ELEMENTS OF ELECTRONICS ENGINEERING | Theory | EC19207 | ELEMENTS OF ELECTRONICS ENGINEERING | Theory |
| EE | 2 | ME16201 | ENGINEERING DRAWING-I | PR/TW | ME19208 | ENGINEERING GRAPHICS | PR/TW |
| EE | 2 | SC16108 | MATHEMATICS-II | Theory | SC19110 | ENGINEERING MATHEMATICS | Theory |
| EE | 3 | EE16212 | DC MACHINE AND TRANSFORMER | Theory | EE19209 | DC MACHINE AND TRANSFORMER | Theory |
| EE | 3 | EE16211 | ELECTRICAL CIRCUIT AND NETWORK | Theory | EE19208 | ELECTRICAL CIRCUIT AND NETWORK | Theory |
| EE | 3 | EE16208 | ELECTRICAL MATERIALS AND WIRING | TW/ORAL | EE19202 | ELECTRICAL MATERIALS AND WIRING | ORAL/PR |
| EE | 3 | EE16209 | ELECTRICAL MEASUREMENT | Theory | EE19301 | ELECTRICAL & INDUSTRIAL MEASUREMENT | Theory |
| EE | 3 | EE16210 | ELECTRICAL POWER GENERATION | OL Theory | EE19207 | ELECTRICAL POWER GENERATION | Theory |
| EE | 3 | ME16211 | ELEMENTS OF MECHANICAL ENGINEERING | TW | | NO EQUIVALENCE | TW |
| EE | 3 | HU16104 | ENVIRONMENTAL STUDIES | TW/ORAL | HU19102 | ENVIRONMENTAL STUDIES | No Theory |
| EE | 4 | EE16307 | A C MACHINES | Theory | EE19306 | A C MACHINES | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| EE | 4 | EE16303 | ELECTRICAL TRANSMISSION & DISTRIBUTION | Theory | EE19302 | ELECTRICAL TRANSMISSION & DISTRIBUTION | Theory |
| EE | 4 | EE16302 | INDUSTRIAL MEASUREMENT | Theory | EE19301 | ELECTRICAL & INDUSTRIAL MEASUREMENT | Theory |
| EE | 4 | EE16301 | MAINTENANCE OF DOMESTIC APPLIANCES | TW/ORAL | EE19202 | ELECTRICAL MATERIALS AND WIRING | PR/ORAL |
| EE | 4 | EE16501 | PROFESSIONAL PRACTICES | TW/ORAL | EE19501 | ENTREPRENEURSHIP & START-UPS | ORAL |
| EE | 4 | EE16402 | RENEWABLE ENERGY SOURCES | Theory | EE19207 | ELECTRICAL POWER GENERATION | Theory |
| EE | 4 | EE16304 | UTILIZATION OF ELECTRICAL ENERGY | Theory | EE19305 | UTILIZATION OF ELECTRICAL ENERGY | Theory |
| EE | 5 | EE16213 | COMPUTER AIDED ELECTRICAL DRAWING | ORAL | EE19203 | COMPUTER AIDED ELECTRICAL DRAWING | PR |
| EE | 5 | EE16305 | ELECTRICAL ENERGY CONSERVATION AND AUDIT | Theory | EE19310 | ELECTRICAL ENERGY CONSERVATION AND AUDIT | Theory |
| EE | 5 | EE16404 | ILLUMINATION ENGINEERING | Theory | EE19403 | ILLUMINATION ENGINEERING (OPTIONAL) | Theory |
| EE | 5 | EE16312 | INDUSTRIAL TRAINING I | TW/ORAL | EE19311 | IN-PLANT TRAINING | TW/ORAL |
| EE | 5 | EE16401 | POWER ELECTRONICS AND DRIVES | Theory | EE19401 | FUNDAMENTALS OF POWER ELECTRONICS | Theory |
| EE | 5 | EE16405 | POWER SYSTEM ANALYSIS | Theory | | NO EQUIVALENCE | Theory |
| EE | 5 | EE16403 | PRINCIPLES OF CONTROL SYSTEM | Theory | | NO EQUIVALENCE | Theory |
| EE | 5 | EE16308 | PROJECT AND SEMINAR STAGE I | ORAL | EE19309 | PROJECT & PRESENTATION | ORAL |
| EE | 5 | EE16306 | SWITCH GEAR AND PROTECTION | Theory | EE19307 | SWITCH GEAR AND PROTECTION | Theory |

| BRANCH CODE | SEMESTER NO | OLD COURSE CODE | OLD COURSE NAME | MODE OF EXAM | EQUIVALENCE COURSE CODE | EQUIVALENCE COURSE NAME | MODE OF EXAM IN P19 |
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| EE | 6 | EE16309 | ELECTRICAL ESTIMATION AND COSTING | Theory | EE19304 | ELECTRICAL ESTIMATION AND COSTING | Theory |
| EE | 6 | MG16502 | ENTREPRENEURSHIP DEVELOPMENT | TW/ORAL | EE19501 | ENTREPRENEURSHIP & START-UPS | No Theory |
| EE | 6 | EE16407 | INDUSTRIAL AUTOMATION | Theory | EE19405 | INDUSTRIAL AUTOMATION | Theory |
| EE | 6 | MG16501 | INDUSTRIAL ORGANIZATION AND MANAGEMENT | OLTheory | EE19501 | ENTREPRENEURSHIP & START-UPS | PR |
| EE | 6 | EE16313 | INDUSTRIAL TRAINING-II | TW/ORAL | EE19311 | IN-PLANT TRAINING | TW/ORAL |
| EE | 6 | EE16408 | MICROCONTROLLER AND APPLICATIONS | Theory | | NO EQUIVALENCE | Theory |
| EE | 6 | EE16310 | PROJECT AND SEMINAR-II | TW/ORAL | EE19309 | PROJECT & PRESENTATION | TW/ORAL |
| EE | 6 | EE16406 | SPECIAL MACHINES | Theory | EE19402 | SPECIAL MACHINES (OPTIONAL) | Theory |
| EE | 6 | EE16311 | TESTING AND MAINTENANCE OF ELECTRICAL EQUIPMENTS | Theory | EE19308 | TESTING AND MAINTENANCE OF ELECTRICAL EQUIPMENTS | Theory |

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(Swati Desphande)
Principal

All concerned students and departments are required to take a note of it.