

## 2019-20

| S.No. | Course code  | Course title                                     | Employability | Entrepreneurship | Skill Development |
|-------|--------------|--|---------------|------------------|-------------------|
| 1     | BCO101       | Financial Accounting-I                           | ✓             | ✓                | ✓                 |
| 2     | BCO102       | Business Statistics                              |               |                  | ✓                 |
| 3     | BCO103       | Business Organization                            |               |                  | ✓                 |
| 4     | BCO104       | Business Economics                               |               |                  | ✓                 |
| 5     | BCOP105      | Information Technology                           | ✓             |                  | ✓                 |
| 6     | BCO201       | Financial Accounting-II                          | ✓             | ✓                | ✓                 |
| 7     | BCO202       | Advanced Business Statistics                     |               |                  | ✓                 |
| 8     | BCO203       | Principles of Management                         |               |                  | ✓                 |
| 9     | BCO204       | Information Technology                           | ✓             |                  | ✓                 |
| 10    | BCOP204      | Managerial Economics                             |               |                  | ✓                 |
| 11    | BCOP205      | RDBMS  | ✓             |                  | ✓                 |
| 12    | BCO301/IFA30 | Advanced Accounting                              | ✓             | ✓                | ✓                 |
| 13    | BCO302       | BUSINESS MATHEMATICS                             |               |                  | ✓                 |
| 14    | BCO303       | Taxation -I                                      | ✓             |                  | ✓                 |
| 15    | BCO304       | BANKING THEORY AND PRACTICE                      | ✓             |                  | ✓                 |
| 16    | BCOP305      | Business Communication & Report Writing          | ✓             |                  | ✓                 |
| 17    | BCOP306      | PRINCIPLES OF MARKETING                          | ✓             |                  | ✓                 |
| 18    | BCOP307      | Financial Statement Analysis                     | ✓             |                  | ✓                 |
| 19    | BCO 402      | Entrepreneurship Development and Business Ethics |               | ✓                | ✓                 |
| 20    | BCO 403      | Taxation-II                                      | ✓             |                  | ✓                 |
| 21    | BCO 404      | Financial Institutions and Markets               |               |                  | ✓                 |
| 22    | BCO/IAF 401  | Corporate Accounting                             | ✓             | ✓                | ✓                 |
| 23    | BCO/IAF 402  | Advanced Management Accounting                   | ✓             | ✓                | ✓                 |
| 24    | BCO/IAF 403  | Auditing & Assurance                             | ✓             |                  | ✓                 |
| 25    | BCO/IAF 404  | Financial Reporting                              | ✓             |                  | ✓                 |
| 26    | BCO/IAF 405  | Advances Business Statistics                     |               |                  | ✓                 |
| 27    | BCO/IAF 406  | Business Analysis                                | ✓             |                  | ✓                 |
| 28    | BCOC 402     | Programming with C                               | ✓             |                  | ✓                 |
| 29    | BCOP 405     | Foreign Trade                                    |               |                  | ✓                 |
| 30    | BCOP 406     | E-Commerce and Digital Marketing                 | ✓             |                  | ✓                 |
| 31    | BCOP 407     | Management Information Systems                   |               |                  | ✓                 |
| 32    | BCO501       | Cost Accounting                                  | ✓             | ✓                | ✓                 |
| 33    | BCO502       | Busniess Law                                     |               | ✓                | ✓                 |
| 34    | BCO503       | Auditing   | ✓             |                  | ✓                 |
| 35    | BCO504       | International Business                           |               |                  | ✓                 |
| 36    | BCOC505      | Object Oriented Programming With C++             | ✓             |                  | ✓                 |
| 37    | BCOC506      | E-Commerce & Digital Marketing                   | ✓             |                  | ✓                 |
| 38    | BCOI505      | International Marketing                          | ✓             |                  | ✓                 |
| 39    | BCOI506      | Shipping & Insurance Practices & Procedures      | ✓             |                  | ✓                 |
| 40    | BCOP504      | Human Resource Management                        | ✓             |                  | ✓                 |
| 41    | BCOP505      | Financial Management                             | ✓             |                  | ✓                 |

|    |         |  |   |   |   |
|----|---------|--|---|---|---|
| 42 | BCOP506 | Financial Services                     | ✓ |   | ✓ |
| 43 | BCOP507 | Research Methodology                   |   |   | ✓ |
| 44 | BCOP603 | INTERNATIONAL FINANCE                  |   |   | ✓ |
| 45 | BCOP605 | INVESTMENT MANAGEMENT                  | ✓ |   | ✓ |
| 46 | BCOP606 | MARKETING MANAGEMENT                   | ✓ |   | ✓ |
| 47 | BCO601  | Managerial Accounting                  | ✓ | ✓ | ✓ |
| 48 | BCO602  | Company Law                            |   | ✓ | ✓ |
| 49 | BCO603  | Managerial Economics                   |   |   | ✓ |
| 50 | BCO604  | Computerized Accounting                | ✓ |   | ✓ |
| 51 | BCOA505 | Financial Statement Analysis           | ✓ |   | ✓ |
| 52 | BCOC605 | Web Technologies                       | ✓ |   | ✓ |
| 53 | BCOC606 | RELATIONAL DATABASE MANAGEMENT SYSTEM  | ✓ |   | ✓ |
| 54 | BCOI605 | Foreign Trade Financing Procedures     | ✓ |   | ✓ |
| 55 | BCOI606 | FOREIGN TRADE DOCUMENTATION            | ✓ |   | ✓ |
| 56 | BCOA506 | Indian Accounting Standards            | ✓ |   | ✓ |
| 57 | BCOA605 | ADVANCED MANAGERIAL ACCOUNTING         | ✓ |   | ✓ |
| 58 | BCOA606 | ADVANCED CORPORATE ACCOUNTING          | ✓ |   | ✓ |
| 59 | IFA101  | Financial Accounting-I                 | ✓ |   | ✓ |
| 60 | IFA102  | Cost Accounting-I                      | ✓ |   | ✓ |
| 61 | IFA103  | Taxation-I                             | ✓ |   | ✓ |
| 62 | IFA104  | Accountant in Business                 |   |   | ✓ |
| 63 | IFA105  | Information Technology                 | ✓ |   | ✓ |
| 64 | IFA201  | Financial Accounting-II                | ✓ |   | ✓ |
| 65 | IFA202  | Cost Accounting-II                     | ✓ |   | ✓ |
| 66 | IFA203  | Taxation-II                            | ✓ |   | ✓ |
| 67 | IFA204  | Corporate and Business Law             |   |   | ✓ |
| 68 | IFA205  | Business Mathematics                   |   |   | ✓ |
| 69 | IFA 302 | Management Accounting                  | ✓ |   | ✓ |
| 70 | IFA 303 | Corporate Tax                          |   |   | ✓ |
| 71 | IFA 304 | Enterpreurial Development              | ✓ | ✓ | ✓ |
| 72 | IFA 305 | Business Statistics                    |   |   | ✓ |
| 73 | IFA 306 | Business Communication &Report Writing | ✓ |   | ✓ |
| 74 | IFA501  | Financial Management                   | ✓ |   | ✓ |
| 75 | IFA502  | Corporate Governance & Business Ethics |   |   | ✓ |
| 76 | IFA503  | Corporate Reporting                    |   |   | ✓ |
| 77 | IFA504  | International Audit and Assurance      | ✓ |   | ✓ |
| 78 | IFA505  | Advanced Performance Management –I     | ✓ |   | ✓ |
| 79 | IFA506  | RESEARCH METHODOLOGY                   |   |   | ✓ |
| 80 | IFA601  | FINANCIAL MANAGEMENT-II                | ✓ |   | ✓ |
| 81 | IFA602  | International Business                 |   |   | ✓ |
| 82 | IFA603  | Human Resources Management             | ✓ |   | ✓ |

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|-----|-----------|--|---|---|---|
| 83  | IFA604    | ADVANCED PERFORMANCE MANAGEMENT - II       |   |   | ✓ |
| 84  | IFA605    | INTERNATIONAL FINANCIAL MANAGEMENT         | ✓ |   | ✓ |
| 85  | IFA606    | Computerised Accounting & E Commerce       | ✓ |   | ✓ |
| 86  | BBA101    | Principles of Management                   | ✓ |   | ✓ |
| 87  | BBA102    | Financial Accounting                       |   |   | ✓ |
| 88  | BBA103    | Business Economics                         |   |   |   |
| 89  | BBA104    | Business Exposure & Women Entrepreneurship |   | ✓ |   |
| 90  | BBA201    | Organizational Behaviour                   | ✓ |   |   |
| 91  | BBA202    | Business Environment                       |   |   | ✓ |
| 92  | BBA203    | Information Technology & Excel             |   |   | ✓ |
| 93  | BBA204    | Personality Development & Communication    |   |   | ✓ |
| 94  | BBA301    | Fundamentals of Marketing Management       |   |   | ✓ |
| 95  | BBA302    | Business Statistics                        |   |   | ✓ |
| 96  | BBA303    | Elements of Financial Management           | ✓ |   | ✓ |
| 97  | BBA304    | Business Mathematics                       |   |   | ✓ |
| 98  | BBA401    | Human Resource Management                  | ✓ |   | ✓ |
| 99  | BBA402    | Quantitative Techniques                    |   |   | ✓ |
| 100 | BBA403    | Cost and Management Accounting             |   |   | ✓ |
| 101 | BBA 404   | E-Commerce & Web Designing                 |   |   | ✓ |
| 102 | BBA501    | Business Research Methods                  |   |   | ✓ |
| 103 | BBA502    | Operations Management                      |   |   |   |
| 104 | BBA503    | Business Ethics and CSR                    |   |   | ✓ |
| 105 | BBM504 A  | Elective-I: A) Leadership                  |   |   | ✓ |
| 106 | BBM504 B  | B) Banking & Insurance Services            |   |   |   |
| 107 | BBM504 C  | C) Service Marketing                       |   |   |   |
| 108 | BBM504 D  | D) Business Simulation                     | ✓ |   | ✓ |
| 109 | BBM505 A  | Elective-II: A) Industrial Relations       |   |   | ✓ |
| 110 | BBM505 B  | B) Investment Management                   |   |   | ✓ |
| 111 | BBM505 C  | C) Retail Management                       |   |   | ✓ |
| 112 | BBM505 D  | D) Business Analytics                      | ✓ |   | ✓ |
| 113 | BBA506    | Summer Internship Report                   | ✓ |   | ✓ |
| 114 | BBA601    | International Business                     |   |   |   |
| 115 | BBA602    | Entrepreneurship Development & SME         |   | ✓ | ✓ |
| 116 | BBA603    | Strategic Management                       |   |   | ✓ |
| 117 | BBM 604A  | Elective-III: A) Performance Management    |   | ✓ |   |
| 118 | BBM 604B  | B) Financial Institutions & Markets        | ✓ |   |   |
| 119 | BBM 604C  | C) Consumer Behaviour                      |   |   |   |
| 120 | BBM 604D  | D) Business Forecasting                    | ✓ |   | ✓ |
| 121 | BBM 605 A | Elective-IV: A) Change Management          |   |   | ✓ |
| 122 | BBM 605 B | B) Business Taxation                       |   |   | ✓ |
| 123 | BBM 605 C | C) Advertising & Sales Promotion           |   |   | ✓ |

|     |           |   |   |   |   |
|-----|-----------|---|---|---|---|
| 124 | BBM 605 D | D) Business Analytics                                 | ✓ |   | ✓ |
| 125 | BBA606    | Project Work (including Viva-Voce)                    | ✓ |   | ✓ |
| 126 | BCH101    | Chemistry of Biomolecules                             |   | ✓ |   |
| 127 | BCH111    | Qualitative Analysis of Biomolecules                  |   | ✓ | ✓ |
| 128 | BCH202    | Chemistry of Nucleic Acids and Biochemical Techniques | ✓ | ✓ | ✓ |
| 129 | BCH212    | Quantitative Analysis of Biomolecules                 |   |   | ✓ |
| 130 | BCH303    | Bioenergetics, Biological Oxidations and Enzymology   |   | ✓ |   |
| 131 | BCH313    | Enzymology  | ✓ | ✓ | ✓ |
| 132 | BCH404    | Intermediary Metabolism                               |   | ✓ | ✓ |
| 133 | BCH414    | Biochemical Preparations and Separations              | ✓ | ✓ | ✓ |
| 134 | BCH505    | Physiology and Clinical Biochemistry                  | ✓ | ✓ | ✓ |
| 135 | BCH515    | Physiology and Clinical Biochemistry                  | ✓ | ✓ | ✓ |
| 136 | BCH506A   | Molecular Biology                                     | ✓ | ✓ | ✓ |
| 137 | BCH516A   | Molecular Biology                                     | ✓ | ✓ | ✓ |
| 138 | BCH506 B  | Cell Biology and Genetics                             |   |   |   |
| 139 | BCH516B   | Cell Biology and Genetics                             |   |   | ✓ |
| 140 | BCH607    | Nutrition and Immunology                              | ✓ | ✓ | ✓ |
| 141 | BCH617    | Nutrition and Immunology                              | ✓ | ✓ | ✓ |
| 142 | BCH608A   | Microbiology & r-DNA Technology                       | ✓ | ✓ | ✓ |
| 143 | BCH618A   | Microbiology & r-DNA Technology                       | ✓ | ✓ | ✓ |
| 144 | BCH608 B  | Biotechnology   | ✓ | ✓ | ✓ |
| 145 | BCH618 B  | Biotechnology   | ✓ | ✓ | ✓ |
| 146 | BIT101    | Cell Biology & Genetics                               |   |   |   |
| 147 | BIT111    | Cell Biology & Genetics Pr                            |   |   | ✓ |
| 148 | BIT202    | Nucleic Acids & Bioinformatics                        |   |   |   |
| 149 | BIT212    | Nucleic Acids & Bioinformatics Pr                     | ✓ |   | ✓ |
| 150 | BIT303    | Biochemistry & Biostatistics                          |   |   |   |
| 151 | BIT313    | Biochemistry & Biostatistics Pr                       |   |   | ✓ |
| 152 | BIT404    | Microbiology and Immunology                           |   |   |   |
| 153 | BIT414    | Microbiology and Immunology Pr                        |   |   | ✓ |
| 154 | BIT505    | Molecular Biology and r-DNA Technology                | ✓ |   |   |
| 155 | BIT515    | Molecular Biology and r-DNA Technology Pr             | ✓ |   | ✓ |
| 156 | BIT506    | Plant Biotechnology                                   | ✓ | ✓ | ✓ |
| 157 | BIT516    | Plant Biotechnology Pr                                | ✓ | ✓ | ✓ |
| 158 | BIT607    | Microbial technology                                  | ✓ | ✓ | ✓ |
| 159 | BIT617    | Microbial technology Pr                               | ✓ | ✓ | ✓ |
| 160 | BIT608    | Environmental Biotechnology and Biodiversity          | ✓ | ✓ | ✓ |
| 161 | BIT618    | Environmental Biotechnology and Biodiversity Pr       | ✓ | ✓ | ✓ |

|     |         |   |   |   |   |
|-----|---------|---|---|---|---|
| 162 | BOT101  | Microbial Diversity of lower plants                   | ✓ | ✓ | ✓ |
| 163 | BOT111  | Microbial Diversity of lower plants Pr                | ✓ | ✓ | ✓ |
| 164 | BOT202  | Bryophyta Pteridophyta, Gymnosperms & Palaeobotany    | ✓ | ✓ | ✓ |
| 165 | BOT212  | Bryophyta Pteridophyta, Gymnosperms & Palaeobotany Pr | ✓ | ✓ | ✓ |
| 166 | BOT303  | Taxonomy of Angiosperms & Medicinal Botany            | ✓ | ✓ | ✓ |
| 167 | BOT313  | Taxonomy of Angiosperms & Medicinal Botany Pr         | ✓ | ✓ | ✓ |
| 168 | BOT404  | Plant Anatomy and Embryology and Palynology           | ✓ | ✓ | ✓ |
| 169 | BOT414  | Plant Anatomy and Embryology and Palynology Pr        | ✓ | ✓ | ✓ |
| 170 | BOT505  | Cell Biology & Genetics                               | X | X | ✓ |
| 171 | BOT515  | Cell Biology & Genetics Pr                            | ✓ | ✓ | ✓ |
| 172 | BOT506  | Ecology and Biodiversity                              | ✓ | X | ✓ |
| 173 | BOT515  | Ecology and Biodiversity Pr                           | ✓ | ✓ | ✓ |
| 174 | BOT607  | PHYSIOLOGY  | ✓ | X | ✓ |
| 175 | BOT617  | PHYSIOLOGY Pr   | ✓ | ✓ | ✓ |
| 176 | BOT608  | TISSUE CULTURE AND BIOTECHNOLOGY                      | ✓ | ✓ | ✓ |
| 177 | BOT618  | TISSUE CULTURE AND BIOTECHNOLOGY Pr                   | ✓ | ✓ | ✓ |
| 178 | CHE101  | Chemistry   | ✓ |   | X |
| 179 | CHE111  | Chemistry Pr  | ✓ |   | ✓ |
| 180 | CHE202  | Chemistry   | ✓ |   | X |
| 181 | CHE212  | Chemistry Pr  | ✓ |   | ✓ |
| 182 | CHE303  | Chemistry CHE303                                      | ✓ |   | X |
| 183 | CHE313  | Chemistry CHE313                                      | ✓ |   | ✓ |
| 184 | CHE404  | Chemistry CHE404                                      | ✓ |   | X |
| 185 | CHE414  | Chemistry CHE414                                      | ✓ |   | ✓ |
| 186 | CHE505  | CHE505  | ✓ |   | X |
| 187 | CHE515  | CHE505  | ✓ |   | ✓ |
| 188 | CHE506A | CHE506A   | ✓ |   | ✓ |
| 189 | CHE516A | CHE506A   | ✓ |   | ✓ |
| 190 | CHE607  | CHE607  | ✓ |   | X |
| 191 | CHE617  | CHE607  | ✓ |   | ✓ |
| 192 | CHE608  | CHE608  | ✓ |   | ✓ |
| 193 | CHE618  | CHE608  | ✓ |   | X |
| 194 | GEN101  | Genetics  | X | X | ✓ |
| 195 | GEN111  | Genetics Pr   | X | X | ✓ |
| 196 | GEN202  | Genetics  | ✓ | ✓ | ✓ |
| 197 | GEN212  | Genetics Pr   | ✓ | ✓ | ✓ |
| 198 | GEN303  | Genetics GEN303                                       | X | X | ✓ |
| 199 | GEN313  | Genetics GEN313                                       | X | X | ✓ |
| 200 | GEN404  | Genetics GEN404                                       | X | X | ✓ |
| 201 | GEN414  | Genetics GEN414                                       | X | X | ✓ |
| 202 | GEN505  | GEN505  | ✓ | ✓ | ✓ |
| 203 | GEN515  | GEN505  | ✓ | ✓ | ✓ |
| 204 | GEN506A | GEN506A   | ✓ | ✓ | ✓ |
| 205 | GEN516A | GEN506A   | ✓ | ✓ | ✓ |

|     |          |  |   |   |   |
|-----|----------|--|---|---|---|
| 206 | GEN607   | GEN607                                 | ✓ | ✓ | ✓ |
| 207 | GEN617   | GEN607                                 | ✓ | ✓ | ✓ |
| 208 | GEN608   | GEN608                                 | ✓ | ✓ | ✓ |
| 209 | GEN618   | GEN608                                 | ✓ | ✓ | ✓ |
| 210 | NUT101   | Nutrition                              | ✓ | × | × |
| 211 | NUT111   | Nutrition Pr                           | ✓ | × | × |
| 212 | NUT202   | Nutrition                              | ✓ | × | × |
| 213 | NUT212   | Nutrition Pr                           | ✓ | × | × |
| 214 | NUT303   | Nutrition NUT303                       | ✓ | ✓ | ✓ |
| 215 | NUT313   | Nutrition NUT313                       | ✓ | ✓ | ✓ |
| 216 | NUT404   | NUTRITION NUT404                       | ✓ | ✓ | ✓ |
| 217 | NUT414   | NUTRITION NUT414                       | ✓ | ✓ | ✓ |
| 218 | NUT505   | NUT505                                 | ✓ | ✓ | ✓ |
| 219 | NUT515   | NUT505                                 | ✓ | ✓ | ✓ |
| 220 | NUT506   | NUT506                                 | ✓ | × | × |
| 221 | NUT516   | NUT506                                 | ✓ | × | × |
| 222 | NUT607   | NUT607                                 | ✓ | ✓ | ✓ |
| 223 | NUT617   | NUT607                                 | ✓ | ✓ | ✓ |
| 224 | NUT608   | NUT608                                 | ✓ | × | × |
| 225 | NUT618   | NUT608                                 | ✓ | × | × |
| 226 | MIC101   | Introductory Microbiology-I            |   |   | ✓ |
| 227 | MIC111   | Introductory Microbiology-I Pr         | ✓ |   | ✓ |
| 228 | MIC202   | Introductory Microbiology-II           |   |   | ✓ |
| 229 | MIC212   | Introductory Microbiology-II Pr        | ✓ |   | ✓ |
| 230 | MIC303   | Microbial Physiology                   |   |   | ✓ |
| 231 | MIC313   | Microbial Physiology                   | ✓ |   | ✓ |
| 232 | MIC404   | Microbial Genetics                     | ✓ | ✓ | ✓ |
| 233 | MIC414   | Microbial Genetics                     | ✓ | ✓ | ✓ |
| 234 | MIC505   | Immunology And Chemotherapy            | ✓ | ✓ | ✓ |
| 235 | MIC515   | Immunology And Chemotherapy            | ✓ | ✓ | ✓ |
| 236 | MIC506A  | Environmental Microbiology and Su      | ✓ | ✓ | ✓ |
| 237 | MIC516A  | Environmental Microbiology and Su      | ✓ | ✓ | ✓ |
| 238 | MIC 506B | Food & Dairy Microbiology              | ✓ | ✓ | ✓ |
| 239 | MIC 516B | Food & Dairy Microbiology              | ✓ | ✓ | ✓ |
| 240 | MIC607   | Industrial Microbiology & Microbial    | ✓ | ✓ | ✓ |
| 241 | MIC617   | Industrial Microbiology & Microbial    | ✓ | ✓ | ✓ |
| 242 | MIC608A  | Medical Microbiology                   | ✓ | ✓ | ✓ |
| 243 | MIC618A  | Medical Microbiology                   | ✓ | ✓ | ✓ |
| 244 | MIC 608B | Clinical & Diagnostic Microbiology     | ✓ | ✓ | ✓ |
| 245 | MIC 618B | Clinical & Diagnostic Microbiology     | ✓ | ✓ | ✓ |
| 246 | ZOO101   | Animal Diversity-Invertebrates         | ✓ | ✓ | ✓ |
| 247 | ZOO111   | Animal Diversity-Invertebrates Pr      | ✓ |   | ✓ |
| 248 | ZOO202   | Ecology,Zoogeography & Animal Be       | ✓ |   | ✓ |
| 249 | ZOO212   | Ecology,Zoogeography & Animal Be       | ✓ | ✓ | ✓ |
| 250 | ZOO303   | Animal Diversity- Vertebrates and D    | ✓ | ✓ | ✓ |
| 251 | ZOO313   | Animal Diversity- Vertebrates and D    | ✓ | ✓ | ✓ |
| 252 | ZOO404   | Cell Biology,Genetics and Evolution    | ✓ | ✓ | ✓ |
| 253 | ZOO414   | Cell Biology,Genetics and Evolution    | ✓ |   | ✓ |
| 254 | ZOO505   | Animal Physiology and Biochemistr      | ✓ | ✓ | ✓ |
| 255 | ZOO515   | Animal Physiology and Biochemistry Pr  |   |   | ✓ |
| 256 | ZOO506   | Entomology                             | ✓ | ✓ | ✓ |
| 257 | ZOO516   | Entomology Pr                          |   |   | ✓ |
| 258 | ZOO607   | Immunology and Animal Biotechnol       | ✓ |   | ✓ |
| 259 | ZOO617   | Immunology and Animal Biotechnology Pr |   |   | ✓ |

|     |         |                                |   |   |   |
|-----|---------|--------------------------------|---|---|---|
| 260 | ZOO608  | Aquatic Biology                |   | ✓ | ✓ |
| 261 | ZOO618  | Aquatic Biology Pr             |   | ✓ | ✓ |
| 262 | ARA101  | Arabic-I                       | ✓ | X | ✓ |
| 263 | ARA202  | Arabic-II                      | ✓ | X | ✓ |
| 264 | ARA303  | Arabic-III                     | ✓ | ✓ | ✓ |
| 265 | ARA404  | Arabic-IV                      | ✓ | ✓ | ✓ |
| 266 | FRE101  | French-I                       | X | X | ✓ |
| 267 | FRE202  | French-II                      | X | X | ✓ |
| 268 | FRE303  | French-III                     | X | X | ✓ |
| 269 | FRE404  | French-IV                      | ✓ | ✓ | ✓ |
| 270 | HIN101  | Hindi-I                        | ✓ | ✓ | ✓ |
| 271 | HIN202  | Hindi-II                       | ✓ | ✓ | ✓ |
| 272 | HIN303  | Hindi-III                      | ✓ | ✓ | ✓ |
| 273 | HIN404  | Hindi-IV                       | ✓ | ✓ | ✓ |
| 274 | SAN101  | Sanskrit-I                     | ✓ | ✓ | ✓ |
| 275 | SAN202  | Sanskrit-II                    | ✓ | X | ✓ |
| 276 | SAN303  | Sanskrit-III                   | ✓ | X | ✓ |
| 277 | SAN404  | Sanskrit-IV                    | ✓ | X | ✓ |
| 278 | TEL101  | Telugu-I                       | ✓ | X | ✓ |
| 279 | TEL202  | Telugu-II                      | ✓ | X | ✓ |
| 280 | TEL303  | Telugu-III                     | ✓ | X | ✓ |
| 281 | TEL404  | Telugu-IV                      | ✓ | X | ✓ |
| 282 | ENG101  | English-I                      | ✓ | X | ✓ |
| 283 | ENG202  | English-II                     | ✓ | X | ✓ |
| 284 | ENG303  | English-III                    | ✓ | X | ✓ |
| 285 | ENG404  | English-IV                     | ✓ | X | ✓ |
| 286 | FENG101 | Functional English             | ✓ | X | ✓ |
| 287 | FENG202 | Functional English             | ✓ | X | ✓ |
| 288 | CSC101  | Programming in C               | ✓ | ✓ | ✓ |
| 289 | CSC 111 | Programming in C Pr            | ✓ | ✓ | ✓ |
| 290 | CSC202  | Programming in C++             | ✓ | ✓ | ✓ |
| 291 | CSC212  | Programming in C++ Pr          | ✓ | ✓ | ✓ |
| 292 | CSC303  | Programming in Java            | ✓ | ✓ | ✓ |
| 293 | CSC313  | Programming in Java Pr         | ✓ | ✓ | ✓ |
| 294 | CSC404  | Data Base management System    | ✓ | ✓ | ✓ |
| 295 | CSC414  | Data Base management System Pr | ✓ | ✓ | ✓ |
| 296 | CSC505  | Programming in JAVA            | ✓ | ✓ | ✓ |
| 297 | CSC515  | Programming in Java Pr         | ✓ | ✓ | ✓ |
| 298 | CSC506A | Operating Systems              | ✓ | ✓ | ✓ |
| 299 | CSC516A | Operating Systems Pr           | ✓ | ✓ | ✓ |
| 300 | CSC607  | Computer Networks              | ✓ | ✓ | ✓ |
| 301 | CSC617  | Computer Networks Pr           | ✓ | ✓ | ✓ |
| 302 | CSC608  | Web Technologies               | ✓ | ✓ | ✓ |
| 303 | CSC618  | Web Technologies Pr            | ✓ | ✓ | ✓ |
| 304 | ELE101  | Electronics                    | ✓ | ✓ | ✓ |
| 305 | ELE111  | Electronics Pr                 | ✓ | ✓ | ✓ |
| 306 | ELE202  | Electronics                    | ✓ | ✓ | ✓ |
| 307 | ELE212  | Electronics Pr                 | ✓ | ✓ | ✓ |
| 308 | ELE303  | Electronics ELE303             | ✓ | ✓ | ✓ |
| 309 | ELE313  | Electronics ELE313             | ✓ | ✓ | ✓ |
| 310 | ELE404  | Electronics-IV ELE404          | ✓ | ✓ | ✓ |
| 311 | ELE414  | Electronics Pr-IV ELE414       | ✓ | ✓ | ✓ |
| 312 | ELE505  | ELE505                         | ✓ | ✓ | ✓ |
| 313 | ELE515  | ELE505                         | ✓ | ✓ | ✓ |

|     |         |  |   |   |   |
|-----|---------|--|---|---|---|
| 314 | ELE506A | ELE506A  | ✓ | ✓ | ✓ |
| 315 | ELE516A | ELE506A  | ✓ | ✓ | ✓ |
| 316 | ELE607  | ELE607   | ✓ | ✓ | ✓ |
| 317 | ELE617  | ELE607   | ✓ | ✓ | ✓ |
| 318 | ELE608  | ELE608   | ✓ | ✓ | ✓ |
| 319 | ELE618  | ELE608   | ✓ | ✓ | ✓ |
| 320 | MAT101  | Mathematics  | ✓ | ✓ | ✓ |
| 321 | MAT111  | Mathematics Pr   | ✓ | ✓ | ✓ |
| 322 | MAT202  | Mathematics  | ✓ | ✓ | ✓ |
| 323 | MAT212  | Mathematics Pr   | ✓ | ✓ | ✓ |
| 324 | MAT303  | Mathematics MAT303                                       | ✓ | ✓ | ✓ |
| 325 | MAT313  | Mathematics MAT313                                       | ✓ | ✓ | ✓ |
| 326 | MAT404  | Mathematics- IV MAT404                                   | ✓ | ✓ | ✓ |
| 327 | MAT414  | Mathematics- Pr- IV MAT414                               | ✓ | ✓ | ✓ |
| 328 | MAT505  | MAT505   | ✓ | ✓ | ✓ |
| 329 | MAT515  | MAT505   | ✓ | ✓ | ✓ |
| 330 | MAT506A | MAT506A  | ✓ | ✓ | ✓ |
| 331 | MAT516A | MAT506A  | ✓ | ✓ | ✓ |
| 332 | MAT607  | MAT607   | ✓ | ✓ | ✓ |
| 333 | MAT617  | MAT607   | ✓ | ✓ | ✓ |
| 334 | MAT608  | MAT608   | ✓ | ✓ | ✓ |
| 335 | MAT618  | MAT608   | ✓ | ✓ | ✓ |
| 336 | PHY101  | Physics  | ✓ | ✓ | X |
| 337 | PHY111  | Physics Pr   | ✓ | ✓ | ✓ |
| 338 | PHY202  | Physics  | ✓ | ✓ | X |
| 339 | PHY212  | Physics Pr   | ✓ | ✓ | ✓ |
| 340 | PHY303  | Physics PHY303   | ✓ | ✓ | X |
| 341 | PHY313  | Physics PHY313   | ✓ | ✓ | ✓ |
| 342 | PHY404  | Physics- IV PHY404                                       | ✓ | ✓ | X |
| 343 | PHY414  | Physics Pr- IV PHY414                                    | ✓ | ✓ | ✓ |
| 344 | PHY505  | PHY505   | ✓ | ✓ | X |
| 345 | PHY515  | PHY505   | ✓ | ✓ | X |
| 346 | PHY506A | PHY506A  | ✓ | ✓ | ✓ |
| 347 | PHY516A | PHY506A  | ✓ | ✓ | ✓ |
| 348 | PHY607  | PHY607   | ✓ | ✓ | ✓ |
| 349 | PHY617  | PHY607   | ✓ | ✓ | ✓ |
| 350 | PHY608  | PHY608   | ✓ | ✓ | ✓ |
| 351 | PHY618  | PHY608   | ✓ | ✓ | ✓ |
| 352 | STA101  | Basic Statistics & Probability                           | ✓ |   |   |
| 353 | STA111  | Statistics Pr  |   |   | ✓ |
| 354 | STA202  | Theoretical Distributions                                | ✓ |   |   |
| 355 | STA212  | Theoretical Distributions Pr                             |   |   | ✓ |
| 356 | STA303  | Linear Regression<br>Analysis&Statistical Inference-I    | ✓ |   |   |
| 357 | STA313  | Linear Regression<br>Analysis&Statistical Inference-I Pr |   |   | ✓ |
| 358 | STA 404 | Statistical Inference II                                 | ✓ |   |   |
| 359 | STA414  | Statistical Inference II Pr                              |   |   | ✓ |
| 360 | STA505  | Sampling Techniques and<br>Business Economics            | ✓ |   |   |
| 361 | STA515  | Sampling Techniques and<br>Business Economics Pr         |   |   | ✓ |



|     |         |   |   |   |   |
|-----|---------|---|---|---|---|
| 362 | STA506A | Statistical Quality Control and Reliability                                       |   |   |   |
| 363 | STA516A | Statistical Quality Control and Reliability Pr                                    |   |   | ✓ |
| 364 | STA607  | Design of experiments, Vital Statistics, Index numbers and Official Statistics    | ✓ |   |   |
| 365 | STA617  | Design of experiments, Vital Statistics, Index numbers and Official Statistics Pr |   |   | ✓ |
| 366 | STA608  | Operations Research   | ✓ |   |   |
| 367 | STA618  | Operations Research Pr  |   |   | ✓ |
| 368 | LIT101  | Introduction to English Language &  | ✓ | ✓ | ✓ |
| 369 | LIT202  | Modern Language   | ✓ | X | ✓ |
| 370 | LIT303  | Moderen Language  |   |   | ✓ |
| 371 | LIT404  | Modern Language   |   |   | ✓ |
| 372 | LIT505  | Modern Language   | ✓ | X | ✓ |
| 373 | LIT506  | Modern Language   | ✓ | X | ✓ |
| 374 | LIT607  | Modern Language   | ✓ | X | ✓ |
| 375 | LIT608  | Modern Language   | ✓ |   | ✓ |
| 376 | ECO101  | Micro Economics-I   |   | ✓ | ✓ |
| 377 | ECO202  | Micro Economics-II  | ✓ | ✓ | ✓ |
| 378 | ECO303  | Macro Economics-I   | ✓ | ✓ | ✓ |
| 379 | ECO404  | Macro Economics-II  | ✓ | ✓ | ✓ |
| 380 | ECO505  | Indian Economy -I   | ✓ | ✓ | ✓ |
| 381 | ECO515  | Indian Economy-Project Viva   | ✓ | ✓ | ✓ |
| 382 | ECO506  | Public Finance  | ✓ | ✓ | ✓ |
| 383 | ECO607  | Indian Economy - II   | ✓ | ✓ | ✓ |
| 384 | ECO617  | Indian Economy-Project Viva   | ✓ | ✓ | ✓ |
| 385 | ECO608  | International Economics   | ✓ | ✓ | ✓ |
| 386 | HIS101  | History of India (From Earliest times   | ✓ |   | ✓ |
| 387 | HIS202  | History of India (From 650-1526CE   | ✓ |   | ✓ |
| 388 | HIS303  | History of India (1526-1707)  | ✓ |   | ✓ |
| 389 | HIS404  | History of India(1858-1964 CE)  | ✓ |   | ✓ |
| 390 | HIS505  | World History(1453-1815 CE)   | ✓ |   | ✓ |
| 391 | HIS506  | History of Telangana  | ✓ |   |   |
| 392 | HIS607  | World History (1850-1950)   |   |   |   |
| 393 | HIS608  | History of Telangana (1724-2014)  |   |   |   |
| 394 | POL101  | Political Science Concepts,Theories   | ✓ |   |   |
| 395 | POL202  | Political Science Concepts,Theories   | ✓ |   |   |
| 396 | POL303  | Indian political system-I   | ✓ |   | ✓ |
| 397 | POL404  | Indian Political system-II  | ✓ |   | ✓ |
| 398 | POL505  | Political Thought-I   | ✓ |   | ✓ |
| 399 | POL506  | International Relations-I   | ✓ |   |   |
| 400 | POL607  | Political Thought-II  | ✓ |   |   |
| 401 | POL608  | International Relations-II  | ✓ |   | ✓ |
| 402 | PUB101  | Introduction to Public Administration   | ✓ | ✓ |   |
| 403 | PUB202  | Development Dynamics & Emerging   | ✓ | ✓ |   |
| 404 | PUB303  | Union Administration  | ✓ |   |   |
| 405 | PUB404  | State Administration and Emerging   | ✓ |   | ✓ |
| 406 | PUB505  | Human Resource Management   | ✓ | ✓ | ✓ |
| 407 | PUB506  | Rural Local Governance  | ✓ |   |   |
| 408 | PUB607  | Financial and Material Resource Ma  | ✓ |   |   |
| 409 | PUB608  | Urban Local Governance  | ✓ |   |   |

|     |          |  |   |   |   |
|-----|----------|--|---|---|---|
| 410 | PSY101   | Basic Psychological Processes              | ✓ |   | ✓ |
| 411 | PSY202   | Cognitive Processes                        | ✓ |   | ✓ |
| 412 | PSY212   | Cognitive Processes Pr                     |   |   |   |
| 413 | PSY303   | Dynamics of Behaviour and Persona          | ✓ |   | ✓ |
| 414 | PSY404   | Child and Adolescent Psychology            | ✓ |   | ✓ |
| 415 | PSY414   | Child and Adolescent Psychology            |   |   |   |
| 416 | PSY505   | Social Psychology-I                        | ✓ |   | ✓ |
| 417 | PSY506   | Abnormal Psychology-I                      |   |   |   |
| 418 | PSY516   | Abnormal Psychology-I                      | ✓ |   | ✓ |
| 419 | PSY607   | Social Psychology-I                        | ✓ |   | ✓ |
| 420 | PSY617   | Social Psychology-I                        |   |   |   |
| 421 | PSY608   | Abnormal Psychology-I                      | ✓ |   | ✓ |
| 422 | PSY618   | Abnormal Psychology-I                      |   |   |   |
| 423 | MCOM101  | Managerial Economics                       | ✓ | ✓ | ✓ |
| 424 | MCOM102  | Principles of Marketing                    | ✓ | ✓ | ✓ |
| 425 | MCOM103  | Organizational Theory & Organizationa      | ✓ | ✓ | ✓ |
| 426 | MCOM104  | Financial Management                       | ✓ | ✓ | ✓ |
| 427 | MCOM105  | Accounting Standards                       | ✓ | ✓ | ✓ |
| 428 | MAOC101A | Communicative English & Soft Skills        | ✓ | ✓ | ✓ |
| 429 | SMNR111  | Seminar                                    | ✓ | ✓ | ✓ |
| 430 | MCOM201  | Business Environment and Policy            | ✓ | ✓ | ✓ |
| 431 | MCOM202  | Marketing Management                       | ✓ | ✓ | ✓ |
| 432 | MCOM203  | Human Resource Management                  | ✓ | ✓ | ✓ |
| 433 | MCOM204  | Investment Management                      | ✓ | ✓ | ✓ |
| 434 | MCOM205  | Advanced Managerial Accounting             | ✓ | ✓ | ✓ |
| 435 | MAOC201A | Statistical Package for Social Sciences(\$ | ✓ | ✓ | ✓ |
| 436 | SMNR211  | Seminar                                    | ✓ | ✓ | ✓ |
| 437 | MMAT101  | Abstract Algebra                           | ✓ |   | ✓ |
| 438 | MMAT102  | Mathematical Analysis                      | ✓ |   | ✓ |
| 439 | MMAT103  | Ordinary and Partial Differential Equati   | ✓ |   | ✓ |
| 440 | MMAT104  | Topology                                   | ✓ |   | ✓ |
| 441 | MMAT105  | Elementary Number Theory                   | ✓ |   | ✓ |
| 442 | MAOC101A | Communicative English and Soft Skills      | ✓ |   | ✓ |
| 443 | MMAT201  | Galois Theory                              | ✓ |   | ✓ |
| 444 | MMAT202  | Lebesgue Measure and Integration           | ✓ |   | ✓ |
| 445 | MMAT203  | Complex Analysis                           | ✓ |   | ✓ |
| 446 | MMAT204  | Theory of Ordinary Differential Equatic    | ✓ |   | ✓ |
| 447 | MMAT205  | Discrete Mathematics                       | ✓ |   | ✓ |
| 448 | MAOC201  | Computer Skills                            | ✓ |   | ✓ |
| 449 | MCHE101  | Inorganic Chemistry                        | ✓ | ✓ | ✓ |
| 450 | MCHE102  | Organic Chemistry                          | ✓ | ✓ | ✓ |
| 451 | MCHE103  | Physical Chemistry                         | ✓ |   | ✓ |
| 452 | MCHE104  | Analytical Techniques and Spectroscop      | ✓ |   | ✓ |
| 453 | MCHE111  | Inorganic Chemistry Pr                     | ✓ |   | ✓ |
| 454 | MCHE112  | Organic Chemistry Pr                       | ✓ | ✓ | ✓ |
| 455 | MCHE113  | Physical Chemistry Pr                      | ✓ |   | ✓ |
| 456 | MCHE201  | Inorganic Chemistry                        | ✓ | ✓ | ✓ |
| 457 | MCHE202  | Organic Chemistry                          | ✓ | ✓ | ✓ |
| 458 | MCHE203  | Physical Chemistry                         |   |   |   |
| 459 | MCHE204  | Analytical Techniques and Spectroscop      | ✓ |   | ✓ |
| 460 | MCHE211  | Inorganic Chemistry Pr                     | ✓ |   | ✓ |
| 461 | MCHE212  | Organic Chemistry Pr                       | ✓ |   | ✓ |
| 462 | MCHE213  | Physical Chemistry Pr                      | ✓ | ✓ | ✓ |
| 463 | MAOC201A | Basics of Computer Science                 | ✓ |   | ✓ |

|     |          |   |   |   |   |
|-----|----------|---|---|---|---|
| 464 | MNUT101  | Human Physiology                              | ✓ | ✓ | ✓ |
| 465 | MNUT102  | Nutritional Biochemistry- I                   | ✓ | ✓ | ✓ |
| 466 | MNUT112  | Nutritional Biochemistry- I Pr                |   |   |   |
| 467 | MNUT103  | Food Science                                  | ✓ | - | ✓ |
| 468 | MNUT104  | Public Health and Community Nutrition         | ✓ | - | ✓ |
| 469 | MNUT105  | Nutraceuticals and Functional Foods           | ✓ | - | ✓ |
| 470 | MAOC101B | English and Soft skills                       | ✓ | - | ✓ |
| 471 | MNUT201  | Medical Nutrition Management-I                | ✓ | - | ✓ |
| 472 | MNUT202  | Nutritional Biochemistry- II                  | ✓ | - | ✓ |
| 473 | MNUT203  | Food service Management                       | ✓ | ✓ | ✓ |
| 474 | MAOC201  | Computer Applications                         | ✓ | - | ✓ |
| 475 | MNUT211  | Medical Nutrition Management- Pr              | ✓ | - | ✓ |
| 476 | MNUT204  | Research Methodology & Statistics             | ✓ | ✓ | ✓ |
| 477 | MNUT212  | Nutritional Biochemistry- II Pr               | ✓ | ✓ | ✓ |
| 478 | MBA101   | Management & Organizational Behavior          | ✓ | - | ✓ |
| 479 | MBA102   | Financial Accounting & Analysis               | ✓ | - | ✓ |
| 480 | MBA103   | Fundamentals of Marketing                     | ✓ | - | ✓ |
| 481 | MBA104C  | Business Economics                            | ✓ |   |   |
| 482 | MBA105A  | IT for Managers                               | ✓ |   | ✓ |
| 483 | MBA116   | Computer Practical                            | ✓ |   |   |
| 484 | MBA201   | Human Resource Management                     | ✓ |   | ✓ |
| 485 | MBA202   | Financial Management                          |   |   | ✓ |
| 486 | MBA203   | Marketing Research                            |   |   | ✓ |
| 487 | MBA204A  | Statistics for Management                     |   |   | ✓ |
| 488 | MBA205B  | Start Up Management                           |   |   |   |
| 489 | MAOC201A | NGOs and Rural Development                    |   |   |   |
| 490 | MCA101   | Discrete Mathematics                          |   |   |   |
| 491 | MCA102   | Probability and Statistics                    |   |   |   |
| 492 | MCA103   | Computer Programming and Problem Solving      |   |   |   |
| 493 | MCA104   | Elements of Information Technology            |   |   |   |
| 494 | MCA105   | Modern Economic Analysis                      |   |   |   |
| 495 | MAOC101C | Communicative Competence                      | ✓ | ✓ | ✓ |
| 496 | MCA113   | Programming Lab - I (C Programming)           | ✓ | ✓ | ✓ |
| 497 | MCA114   | Programming Lab - II (EIT)                    | ✓ | ✓ | ✓ |
| 498 | MCA201   | Accounting and Financial Management           | ✓ | ✓ | ✓ |
| 499 | MCA202   | Principles of Object Oriented Programn        | ✓ | ✓ | ✓ |
| 500 | MCA203   | Management Information System                 | ✓ | ✓ | ✓ |
| 501 | MCA204   | C++ and Data Structures                       | ✓ | ✓ | ✓ |
| 502 | MCA205   | Computer Organization                         | ✓ | ✓ | ✓ |
| 503 | MAOC201C | Soft Skills                                   | ✓ | ✓ | ✓ |
| 504 | MCA212   | Programming Lab - III (OOPS)                  | ✓ | ✓ | ✓ |
| 505 | MCA214   | Programming Lab - IV (C++ & DS)               | ✓ | ✓ | ✓ |
| 506 | DNUT101  | Clinical Nutrition-I                          | ✓ | ✓ | ✓ |
| 507 | DNUT102  | Clinical Nutrition-II                         | ✓ | ✓ | ✓ |
| 508 | DNUT103  | Physiology                                    | ✓ | ✓ | ✓ |
| 509 | DNUT104  | Dietetic Techniques, Patient Counsellin       | ✓ | ✓ | ✓ |
| 510 | DNUT111  | Clinical Nutrition-I Pr                       | ✓ | ✓ | ✓ |
| 511 | DNUT112  | Clinical Nutrition-II Pr                      | ✓ | - | ✓ |
| 512 | DNUT201  | Public Health and Epidemiology                | ✓ | - | ✓ |
| 513 | INTP211  | Hospital Internship                           | ✓ | - | ✓ |
| 514 | MCOM301  | Research Methodologies & Statistical Analysis | ✓ | ✓ | ✓ |
| 515 | MCOM302  | E-Commerce                                    | ✓ | - | ✓ |
| 516 | MCOM303  | Cost Accounting & Control                     | ✓ | - | ✓ |

|     |          |   |   |   |   |
|-----|----------|---|---|---|---|
| 517 | MCOM304  | International Financial Management  | ✓ | ✓ | ✓ |
| 518 | MCOM305  | Security Analysis & Portfolio Management  | ✓ | - | ✓ |
| 519 | MIDC301  | MIDC Basic Mathematics, Applications of Mathematics, Executive Communication, Entrepreneurship and Management of MSME's, Environment Management | ✓ | - | ✓ |
| 520 | SMNR311  | Seminar   | ✓ | ✓ | ✓ |
| 521 | MCOM401  | Quantitative Techniques for Business Decisions  | ✓ | ✓ | ✓ |
| 522 | MCOM402  | Business and Corporate Taxation   | ✓ | ✓ | ✓ |
| 523 | MCOM403  | Strategic Management  | ✓ | ✓ | ✓ |
| 524 | MCOM404  | Financial Services  | ✓ | ✓ | ✓ |
| 525 | MCOM405  | Financial Derivatives   | ✓ | ✓ | ✓ |
| 526 | PRJT411  | Project Work  | ✓ | ✓ | ✓ |
| 527 | SMNR411  | Seminar   | ✓ | ✓ | ✓ |
| 528 | MMAT301  | Functional Analysis   | ✓ | ✓ | ✓ |
| 529 | MMAT302  | General measure and integration   | ✓ | ✓ | ✓ |
| 530 | MMAT303  | Linear Algebra  | ✓ | ✓ | ✓ |
| 531 | MMAT304A | Operations Research   | ✓ | ✓ | ✓ |
| 532 | MMAT305B | Numerical Analysis  | ✓ | ✓ | ✓ |
| 533 | MMAT401  | Integral Equation and calculus of Variations  | ✓ | ✓ | ✓ |
| 534 | MMAT402  | Elementary Operator Theory  | ✓ |   | ✓ |
| 535 | MMAT403A | Analytic Number Theory  | ✓ |   | ✓ |
| 536 | MMAT404B | Graph Theory  | ✓ |   | ✓ |
| 537 | MMAT405B | Advanced Operation Research   | ✓ |   | ✓ |
| 538 | MCHE301  | Synthetic Reagents Advanced NMR-Conformational Analysis and ORD   | ✓ |   | ✓ |
| 539 | MCHE302  | Modern Organic Synthesis  | ✓ |   | ✓ |
| 540 | MCHE303A | Polymer & Dye Chemistry   | ✓ |   | ✓ |
| 541 | MCHE304A | Biomolecules  | ✓ |   | ✓ |
| 542 | MCHE311  | Synthesis of Organic Compounds Pr   | ✓ |   | ✓ |
| 543 | MCHE312  | Synthesis of Organic Molecules & Isolation of Natural Products Pr   | ✓ |   | ✓ |
| 544 | MIDC301  | Environment Management  | ✓ |   | ✓ |
| 545 | MCHE401  | Drug Design and Drug Discovery  | ✓ |   | ✓ |
| 546 | MCHE402  | Drug Synthesis and Mechanism of Action  | ✓ |   |   |
| 547 | MCHE403A | Advanced Heterocyclic Chemistry   | ✓ | ✓ | ✓ |
| 548 | MCHE404A | Advanced Natural Products   | ✓ |   | ✓ |
| 549 | MCHE411  | Spectroscopic Identification of Organic Compounds and Chromatography Pr   | ✓ | ✓ | ✓ |
| 550 | MCHE412  | Synthesis and Analysis of Drugs Pr  | ✓ |   | ✓ |
| 551 | MBA301   | Operations Management   | ✓ |   | ✓ |
| 552 | MBA302   | Operations Research   | ✓ |   | ✓ |
| 553 | MBA303   | Logistics Management  | ✓ | ✓ | ✓ |

|     |         |   |   |   |   |
|-----|---------|---|---|---|---|
| 554 | MBA304  | DSE-I Finance-Derivatives Management, Marketing-Product and Brand Management<br>Human Resource-Compensation Management, Systems-Management Information System           |   | ✓ |   |
| 555 | MBA305  | DSE-II Finance-International Finance, Marketing-Advertising and Promotion,<br>Human Resource-Organization Development, Systems-Business Analytics                       | ✓ | ✓ | ✓ |
| 556 | MBA316  | Project Work Tutorial / Case study  |   |   | ✓ |
| 557 | MIDC301 | Basic Mathematics, Applications of Mathematics,   | ✓ | ✓ | ✓ |
| 558 | MBA401  | Executive Communication, Entrepreneurship and   | ✓ | ✓ | ✓ |
| 559 | MBA402  | Management of MSME's, Environment Management  | ✓ | ✓ | ✓ |
| 560 | MBA403  | Crisis & Disaster Management  | ✓ | ✓ | ✓ |
| 561 | MBA404  | DSE-III Finance-Security Analysis and Portfolio Management, Marketing-Consumer Behavior,<br>Human Resource-Performance Management, Systems-Data Base Management Systems | ✓ |   | ✓ |
| 562 | MBA405  | DSE-IV Finance-Banking and Insurance, Marketing-Services Marketing, Human Resource-Labour Laws and Employee Relations, Systems-Enterprise Resource Planning             | ✓ |   | ✓ |
| 563 | PRJT416 | Project Work & Viva Voce  | ✓ |   | ✓ |
| 564 | MCA301  | Software Engineering  | ✓ | ✓ | ✓ |
| 565 | MCA302  | Database Management System  | ✓ | ✓ | ✓ |
| 566 | MCA303  | Design & Analysis of Algorithms   | ✓ | ✓ | ✓ |
| 567 | MCA304  | Operating Systems   | ✓ | ✓ | ✓ |
| 568 | MCA305  | Operations Research   | ✓ |   | ✓ |
| 569 | MCA306A | Organizational Behavior   | ✓ |   |   |
| 570 | MCA312  | Programming Lab - V(DBMS Programming)   | ✓ | ✓ |   |
| 571 | MCA314  | Programming Lab - VI (OS)   | ✓ |   |   |
| 572 | MCA401  | Data Mining   | ✓ | ✓ | ✓ |
| 573 | MCA402  | Computer Networks   | ✓ | ✓ | ✓ |
| 574 | MCA403  | Unix Programming  | ✓ | ✓ | ✓ |
| 575 | MCA404  | Web Programming   | ✓ | ✓ | ✓ |
| 576 | MCA405  | Distributed Systems   | ✓ | ✓ | ✓ |
| 577 | MCA406A | Artificial Intelligence   | ✓ | ✓ | ✓ |
| 578 | MCA413  | Programming Lab-VII (Unix Programming)  | ✓ | ✓ | ✓ |
| 579 | MCA414  | Programming Lab-VIII (Web Programming)  | ✓ | ✓ | ✓ |

|     |           |  |   |   |   |
|-----|-----------|--|---|---|---|
| 580 | MCA501    | Information Security   | ✓ | ✓ | ✓ |
| 581 | MCA502    | Big Data Analytics   | ✓ | ✓ | ✓ |
| 582 | MCA503    | Object Oriented System Development                             | ✓ | ✓ | ✓ |
| 583 | MCA504A   | Cloud Computing  | ✓ | ✓ | ✓ |
| 584 | MCA505A   | Mobile Computing   | ✓ | ✓ | ✓ |
| 585 | MCA512    | Programming Lab IX(MWT)  | ✓ | ✓ | ✓ |
| 586 | MCA513    | Programming Lab X(OOSD)  | ✓ | ✓ | ✓ |
| 587 | SMNR511   | Seminar  | ✓ | ✓ | ✓ |
| 588 | PRJT611   | PROJECT  | ✓ | ✓ | ✓ |
| 589 | AECC 101  | IHC (Indian Heritage & Culture                                 | ✓ | ✓ | ✓ |
| 590 | AECC 101  | HVPE (Human Values Professional Ethics)                        | ✓ | ✓ | ✓ |
| 591 | AECC 404A | Computer Skills  | ✓ | ✓ | ✓ |
| 592 | AECC 404B | Human Rights   | ✓ | ✓ | ✓ |
| 593 | AECC 505  | Gender studies   | ✓ | ✓ | ✓ |
| 594 | AECC 606  | Finishing School   | ✓ | ✓ | ✓ |
| 595 | AECC303   | Science Environment  | ✓ | ✓ | ✓ |
| 596 | CCA601    | Yoga   | ✓ | ✓ | ✓ |
| 597 | CCA601    | Chess  | ✓ | ✓ | ✓ |
| 598 | CCA601    | Throw ball   | ✓ | ✓ | ✓ |
| 599 | CCA601    | Basket Ball  | ✓ | ✓ | ✓ |
| 600 | CCA601    | Kho -Kho   | ✓ | ✓ | ✓ |
| 601 | CCA601    | NSS  | ✓ | ✓ | ✓ |
| 602 | CCA601    | Environment Education  | ✓ | ✓ | ✓ |
| 603 | CCA601    | NGO Management   | ✓ | ✓ | ✓ |
| 604 | CCA601    | Monuments Tradition and Culture of Telangana                   | ✓ | ✓ | ✓ |
| 605 | CCA601    | Community Theatre  | ✓ | ✓ | ✓ |
| 606 | CCA601    | Consumer Education & Awareness                                 | ✓ | ✓ | ✓ |
| 607 | CCA601    | Innovate To Enterprise   | ✓ | ✓ | ✓ |
| 608 | CCA601    | Outreach   | ✓ | ✓ | ✓ |
| 609 | CCA601    | NCC  | ✓ | ✓ | ✓ |
| 610 | COC401    | Event Management   | ✓ | ✓ | ✓ |
| 611 | COC401    | Python Programming   | ✓ | ✓ | ✓ |
| 612 | COC401    | Advanced MS Excel & R-Programming                              | ✓ | ✓ | ✓ |
| 613 | COC401    | Robotics   | ✓ | ✓ | ✓ |
| 614 | COC401    | General Mathematics  | ✓ | ✓ | ✓ |
| 615 | COC401    | Molecular Diagnostics  | ✓ | ✓ | ✓ |
| 616 | COC401    | Medical Lab Technology   | ✓ | ✓ | ✓ |
| 617 | COC401    | Medical Coding   | ✓ | ✓ | ✓ |
| 618 | COC401    | Clinical Cytogenetics  | ✓ | ✓ | ✓ |
| 619 | COC401    | Fitness and Nutrition  | ✓ | ✓ | ✓ |
| 620 | COC401    | Baking Techniques  | ✓ | ✓ | ✓ |
| 621 | COC401    | Culinary Techniques  | ✓ | ✓ | ✓ |
| 622 | COC401    | Herbal Medicine and Beauty Care                                | ✓ | ✓ | ✓ |
| 623 | COC401    | Textiles and Dyes  | ✓ | ✓ | ✓ |
| 624 | COC401    | Aquarium Maintainance  | ✓ | ✓ | ✓ |
| 625 | COC401    | Communication Skills for personal & Professional Effectiveness | ✓ | ✓ | ✓ |
| 626 | COC401    | Women-Career & Growth  | ✓ | ✓ | ✓ |
| 627 | COC401    | Phonetics & Translation  | ✓ | ✓ | ✓ |

|     |         |  |   |   |   |
|-----|---------|--|---|---|---|
| 628 | COC401  | Media Communication                            | ✓ | ✓ | ✓ |
| 629 | COC401  | Light Music                                    | ✓ | ✓ | ✓ |
| 630 | COC401  | Disaster Management                            | ✓ | ✓ | ✓ |
| 631 | COC401  | Women Studies                                  | ✓ | ✓ | ✓ |
| 632 | COC401  | Sociology of Culture                           | ✓ | ✓ | ✓ |
| 633 | COC401  | Interpersonal Communication                    | ✓ | ✓ | ✓ |
| 634 | COC401  | International Travel & Tourism Management      | ✓ | ✓ | ✓ |
| 635 | IDC501  | Functional Arabic                              | ✓ | ✓ | ✓ |
| 636 | IDC501  | Creative Writing                               | ✓ | ✓ | ✓ |
| 637 | IDC501  | Spoken French                                  | ✓ | ✓ | ✓ |
| 638 | IDC501  | Advertising and Creative Writing               | ✓ | ✓ | ✓ |
| 639 | IDC501  | Telangana Economy                              | ✓ | ✓ | ✓ |
| 640 | IDC501  | South Indian Heritage                          | ✓ | ✓ | ✓ |
| 641 | IDC501  | Indian Constitution                            | ✓ | ✓ | ✓ |
| 642 | IDC501  | Positive Psychology                            | ✓ | ✓ | ✓ |
| 643 | IDC501  | Journalism in Telugu                           | ✓ | ✓ | ✓ |
| 644 | IDC501  | Managerial Communications                      | ✓ | ✓ | ✓ |
| 645 | IDC501  | Project Management                             | ✓ | ✓ | ✓ |
| 646 | IDC501  | Talent and Knowledge Management                | ✓ | ✓ | ✓ |
| 647 | IDC501  | Investment Management                          | ✓ | ✓ | ✓ |
| 648 | IDC501  | Computerized Accounting                        | ✓ | ✓ | ✓ |
| 649 | IDC501  | ECommerce                                      | ✓ | ✓ | ✓ |
| 650 | IDC501  | Needful Nutrition                              | ✓ | ✓ | ✓ |
| 651 | IDC501  | Health and Biomarkers                          | ✓ | ✓ | ✓ |
| 652 | IDC501  | Plant Tissue Culture                           | ✓ | ✓ | ✓ |
| 653 | IDC501  | Home Gardening and Landscaping                 | ✓ | ✓ | ✓ |
| 654 | IDC501  | FOSS Tools                                     | ✓ | ✓ | ✓ |
| 655 | IDC501  | Basic Mathematics for Comp Exams               | ✓ | ✓ | ✓ |
| 656 | IDC501  | Health & Wellness                              | ✓ | ✓ | ✓ |
| 657 | IDC501  | Digital Photography                            | ✓ | ✓ | ✓ |
| 658 | IDC501  | Basic Statistics & Data Analysis               | ✓ | ✓ | ✓ |
| 659 | IDC501  | Women and Health                               | ✓ | ✓ | ✓ |
| 660 | MAOC101 | Communicative English and Soft Skills          | ✓ | ✓ | ✓ |
| 661 | MAOC101 | English and Soft skills                        | ✓ | ✓ | ✓ |
| 662 | MAOC101 | Communicative Competence                       | ✓ | ✓ | ✓ |
| 663 | MAOC101 | NGOs and Rural Management                      | ✓ | ✓ | ✓ |
| 664 | MAOC101 | Computer Skills                                | ✓ | ✓ | ✓ |
| 665 | MAOC101 | Computer Applications                          | ✓ | ✓ | ✓ |
| 666 | MAOC201 | Basics of Computer Science                     | ✓ | ✓ | ✓ |
| 667 | MAOC201 | Statistical Package for Social Sciences (SPSS) | ✓ | ✓ | ✓ |
| 668 | MAOC201 | Soft Skills                                    | ✓ | ✓ | ✓ |
| 669 | MIDC301 | Application of Mathematics                     | ✓ | ✓ | ✓ |
| 670 | MIDC301 | Environment Management                         | ✓ | ✓ | ✓ |
| 671 | MIDC301 | Executive Communication                        | ✓ | ✓ | ✓ |
| 672 | MIDC301 | Micro and Medium Small Scale Enterprise        | ✓ | ✓ | ✓ |
| 673 | MOOCs   | Career Skills by TCS ION                       | ✓ | ✓ | ✓ |

|     |        |  |     |     |     |
|-----|--------|--|-----|-----|-----|
| 674 | SOC201 | Glass Painting                                     | ✓   | ✓   | ✓   |
| 675 | SOC201 | Urdu Qaida   | ✓   | ✓   | ✓   |
| 676 | SOC201 | Fabric Painting                                    | ✓   | ✓   | ✓   |
| 677 | SOC201 | Professional Image Building and Business Etiquette | ✓   | ✓   | ✓   |
| 678 | SOC201 | Music Vocal  | ✓   | ✓   | ✓   |
| 679 | SOC201 | Home Decoration                                    | ✓   | ✓   | ✓   |
| 680 | SOC201 | Handicrafts  | ✓   | ✓   | ✓   |
| 681 | SOC201 | Bible Foundation Course                            | ✓   | ✓   | ✓   |
| 682 | SOC201 | Embroidery   | ✓   | ✓   | ✓   |
| 683 | SOC201 | Foreign Language German                            | ✓   | ✓   | ✓   |
| 684 | SOC201 | Pencil Sketching and Shading                       | ✓   | ✓   | ✓   |
| 685 | SOC201 | Calligraphy  | ✓   | ✓   | ✓   |
| 686 | SOC201 | Happiness  | ✓   | ✓   | ✓   |
| 687 | SOC201 | Self Defense                                       | ✓   | ✓   | ✓   |
| 688 | SOC201 | Western Dance                                      | ✓   | ✓   | ✓   |
| 689 | SOC201 | Oil Painting                                       | ✓   | ✓   | ✓   |
| 690 | SOC201 | Cosmetology  | ✓   | ✓   | ✓   |
| 691 | SOC201 | Fashion Designing                                  | ✓   | ✓   | ✓   |
|     |        |  | 571 | 370 | 612 |
| 691 |        |  | 82  | 53  | 88  |