

| <b>Program code</b> | <b>Program name</b> | <b>Course code</b> | <b>Course name</b>                            | <b>Year of offering the course</b> |
|---------------------|---------------------|--------------------|---|------------------------------------|
| 4107                | B. TECH.            | CH01TBS01          | PHYSICS                                       | 2019-20                            |
| 4107                | B. TECH.            | CH01TES01          | BASIC ELECTRICAL ENGINEERING                  | 2019-20                            |
| 4107                | B. TECH.            | CH01TBS02          | MATHEMATICS-I                                 | 2019-20                            |
| 4107                | B. TECH.            | CH01THS01          | ENGLISH                                       | 2019-20                            |
| 4107                | B. TECH.            | CH01TMC01          | ENVIRONMENTAL SCIENCES                        | 2019-20                            |
| 4107                | B. TECH.            | CH01PBS01          | PHYSICS LAB                                   | 2019-20                            |
| 4107                | B. TECH.            | CH01PES01          | BASIC ELECTRICAL ENGINEERING LAB              | 2019-20                            |
| 4107                | B. TECH.            | CH01PES02          | ENGINEERING GRAPHICS & DESIGN                 | 2019-20                            |
| 4107                | B. TECH.            | CH01PMC01          | INDUCTION TRAINING PROGRAMME                  | 2019-20                            |
| 4107                | B. TECH.            | CH02TBS03          | MATHEMATICS-II                                | 2019-20                            |
| 4107                | B. TECH.            | CH02TBS04          | CHEMISTRY                                     | 2019-20                            |
| 4107                | B. TECH.            | CH02TES02          | PROGRAMMING FOR PROBLEM SOLVING               | 2019-20                            |
| 4107                | B. TECH.            | CH02TES03          | THERMODYNAMICS                                | 2019-20                            |
| 4107                | B. TECH.            | CH02PBS02          | CHEMISTRY LAB                                 | 2019-20                            |
| 4107                | B. TECH.            | CH02PES03          | PROGRAMMING FOR PROBLEM SOLVING LAB           | 2019-20                            |
| 4107                | B. TECH.            | CH02PES04          | WORKSHOP & MANUFACTURING PRACTICES            | 2019-20                            |
| 4107                | B. TECH.            | CH03TBS05          | BIOLOGY                                       | 2019-20                            |
| 4107                | B. TECH.            | CH03TBS06          | MATHEMATICS-III                               | 2019-20                            |
| 4107                | B. TECH.            | CH03TES04          | ENGINEERING AND SOLID MECHANICS               | 2019-20                            |
| 4107                | B. TECH.            | CH03TPC01          | MATERIAL AND ENERGY BALANCE CALCULATIONS      | 2019-20                            |
| 4107                | B. TECH.            | CH03TPC02          | FLUID MECHANICS                               | 2019-20                            |
| 4107                | B. TECH.            | CH03TPC03          | THERMODYNAMICS-II                             | 2019-20                            |
| 4107                | B. TECH.            | CH03PPC01          | CHEMICAL ENGINEERING LAB-I                    | 2019-20                            |
| 4107                | B. TECH.            | CH03PPC02          | FLUID MECHANICS LAB                           | 2019-20                            |
| 4107                | B. TECH.            | CH04THS02          | BUSINESS COMMUNICATION AND PRESENTATION SKILL | 2019-20                            |
| 4107                | B. TECH.            | CH04TPC04          | NUMERICAL METHODS IN CHEMICAL ENGINEERING     | 2019-20                            |
| 4107                | B. TECH.            | CH04TPC05          | INORGANIC CHEMICAL TECHNOLOGY                 | 2019-20                            |
| 4107                | B. TECH.            | CH04TPC06          | PARTICLE AND FLUID PARTICLE-PROCESSING        | 2019-20                            |
| 4107                | B. TECH.            | CH04TPC07          | PROCESS INSTRUMENTATION                       | 2019-20                            |
| 4107                | B. TECH.            | CH04PPC03          | NUMERICAL METHODS IN CHEMICAL ENGINEERING LAB | 2019-20                            |
| 4107                | B. TECH.            | CH04PPC04          | PARTICLE AND FLUID PARTICLE-PROCESSING LAB    | 2019-20                            |
| 4107                | B. TECH.            | CH04PPC05          | PROCESS INSTRUMENTATION LAB                   | 2019-20                            |
| 4107                | B. TECH.            | CH5TPC06           | HEAT TRANSFER                                 | 2019-20                            |

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| 4107         | B. TECH. | CH5TPC07 | MASS TRANSFER-I                             | 2019-20 |
| 4107         | B. TECH. | CH5TPC08 | CHEMICAL REACTION ENGINEERING-I             | 2019-20 |
| 4107         | B. TECH. | CH5TPE11 | ENGINEERING MATERIALS                       | 2019-20 |
| 4107         | B. TECH. | CH5TPE13 | FOOD ENGINEERING                            | 2019-20 |
| 4107         | B. TECH. | CH5TOE11 | FLUIDIZATION ENGINEERING                    | 2019-20 |
| 4107         | B. TECH. | CH5PPC03 | HEAT TRANSFER LAB                           | 2019-20 |
| 4107         | B. TECH. | CH5PPC04 | MASS TRANSFER-I LAB                         | 2019-20 |
| 4107         | B. TECH. | CH5PPC05 | CHEMICAL REACTION ENGINEERING LAB           | 2019-20 |
| 4107         | B. TECH. | CH6TPC09 | MASS TRANSFER-II                            | 2019-20 |
| 4107         | B. TECH. | CH6TPC10 | PROCESS DYNAMICS AND CONTROL                | 2019-20 |
| 4107         | B. TECH. | CH6TPC11 | ORGANIC CHEMICAL TECHNOLOGY                 | 2019-20 |
| 4107         | B. TECH. | CH6TPE21 | PROCESS EQUIPMENT DESIGN-I                  | 2019-20 |
| 4107         | B. TECH. | CH6TPE22 | FERTILIZER TECHNOLOGY                       | 2019-20 |
| 4107         | B. TECH. | CH6TPE31 | FUEL COMBUSTION ENERGY TECHNOLOGY           | 2019-20 |
| 4107         | B. TECH. | CH6TPE32 | ENVIRONMENTAL ENGINEERING                   | 2019-20 |
| 4107         | B. TECH. | CH6TOE21 | PROCESS UTILITIES AND SAFETY                | 2019-20 |
| 4107         | B. TECH. | CH6PPC06 | PROCESS DYNAMICS AND CONTROL LAB            | 2019-20 |
| 4107         | B. TECH. | CH6PPC07 | MASS TRANSFER-II LAB                        | 2019-20 |
| 4107         | B. TECH. | CH7TPC13 | PROCESS EQUIPMENT DESIGN-II                 | 2019-20 |
| 4107         | B. TECH. | CH7TPC14 | CHEMICAL REACTION ENGINEERING-II            | 2019-20 |
| 4107         | B. TECH. | CH7TPC15 | NEW SEPARATION PROCESSES                    | 2019-20 |
| 4107         | B. TECH. | CH7TPE41 | PETROLEUM REFINERY ENGINEERING              | 2019-20 |
| 4107         | B. TECH. | CH7TOE31 | TRANSPORT PHENOMENA                         | 2019-20 |
| 4107         | B. TECH. | CH7TOE32 | WATER CONSERVATION AND MANAGEMENT           | 2019-20 |
| 4107         | B. TECH. | CH7PPC08 | MINOR PROJECT                               | 2019-20 |
| 4107         | B. TECH. | CH7PPC09 | VOCATIONAL TRAINING VIVA CUM SEMINAR        | 2019-20 |
| 4107         | B. TECH. | CH8TPC16 | PROCESS EQUIPMENT DESIGN-III                | 2019-20 |
| 4107         | B. TECH. | CH8TPC17 | PROJECT ENGINEERING, ECONOMICS & MANAGEMENT | 2019-20 |
| 4107         | B. TECH. | CH8TPE51 | PETROCHEMICAL TECHNOLOGY                    | 2019-20 |
| 4107         | B. TECH. | CH8TOE41 | OPTIMIZATION TECHNIQUES                     | 2019-20 |
| 4107         | B. TECH. | CH8TOE42 | PROCESS MODELING & SIMULATION               | 2019-20 |
| 4107         | B. TECH. | CH8PPC10 | PROJECT                                     | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1101 | ADVANCED HEAT TRANSFER                      | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1102 | CHEMICAL REACTOR DESIGN                     | 2019-20 |

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| 1-1350252078 | M. TECH. | CHPG1103   | FLUIDIZATION ENGINEERING                   | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1104   | PROCESS OPTIMIZATION                       | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1105   | ELECTIVE - I                               | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1106   | CHEMICAL ENGINEERING COMPUTATIONAL LAB     | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1201   | ADVANCED FLUID MECHANICS                   | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1202   | ADVANCED MASS TRANSFER                     | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1203   | INDUSTRIAL POLLUTION CONTROL TECHNOLOGIES  | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1204   | DESIGN AND DEVELOPMENT OF CATALYST         | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1205   | ELECTIVE – II                              | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1206   | PROJECT                                    | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG1207   | GENERAL SEMINAR                            | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG2301   | SEMINAR ON DISSERTATION                    | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG2302   | DISSERTATION – INTERIM EVALUATION          | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG2401   | DISSERTATION – OPEN DEFENCE                | 2019-20 |
| 1-1350252078 | M. TECH. | CHPG2402   | DISSERTATION - EVALUATION                  | 2019-20 |
| 4107         | B. TECH. | MA201TBS01 | MATHEMATICS-I                              | 2020-21 |
| 4107         | B. TECH. | CY201TBS02 | CHEMISTRY                                  | 2020-21 |
| 4107         | B. TECH. | CE201TES01 | ENGINEERING MECHANICS                      | 2020-21 |
| 4107         | B. TECH. | CS201TES02 | COMPUTER PROGRAMMING                       | 2020-21 |
| 4107         | B. TECH. | CM201TES03 | BASIC CIVIL & MECHANICAL ENGINEERING       | 2020-21 |
| 4107         | B. TECH. | LW201TMC01 | INDIAN CONSTITUTION                        | 2020-21 |
| 4107         | B. TECH. | CY201PBS01 | CHEMISTRY LAB                              | 2020-21 |
| 4107         | B. TECH. | CE201PES01 | ENGINEERING MECHANICS LAB                  | 2020-21 |
| 4107         | B. TECH. | CS201PES02 | COMPUTER PROGRAMMING LAB                   | 2020-21 |
| 4107         | B. TECH. | MA202TBS03 | MATHEMATICS-II                             | 2020-21 |
| 4107         | B. TECH. | PH202TBS04 | PHYSICS                                    | 2020-21 |
| 4107         | B. TECH. | EC202TES04 | BASIC ELECTRICAL & ELECTRONICS ENGINEERING | 2020-21 |
| 4107         | B. TECH. | IT202TES05 | INTRODUCTION TO INFORMATION TECHNOLOGIES   | 2020-21 |
| 4107         | B. TECH. | EN202THS01 | ENGLISH COMMUNICATION                      | 2020-21 |
| 4107         | B. TECH. | PH202PBS02 | PHYSICS LAB                                | 2020-21 |
| 4107         | B. TECH. | ME202PES03 | ENGINEERING GRAPHICS                       | 2020-21 |
| 4107         | B. TECH. | ME202PES04 | WORKSHOP TECHNOLOGY & PRACTICES            | 2020-21 |
| 4107         | B. TECH. | EC202PES05 | BEE LAB                                    | 2020-21 |
| 4107         | B. TECH. | CH03TBS05  | BIOLOGY                                    | 2020-21 |

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| 4107 | B. TECH. | CH03TBS06 | MATHEMATICS-III                                      | 2020-21 |
| 4107 | B. TECH. | CH03TES04 | ENGINEERING AND SOLID MECHANICS                      | 2020-21 |
| 4107 | B. TECH. | CH03TPC01 | MATERIAL AND ENERGY BALANCE CALCULATIONS             | 2020-21 |
| 4107 | B. TECH. | CH03TPC02 | FLUID MECHANICS                                      | 2020-21 |
| 4107 | B. TECH. | CH03TPC03 | THERMODYNAMICS-II                                    | 2020-21 |
| 4107 | B. TECH. | CH03PPC01 | CHEMICAL ENGINEERING LAB-I                           | 2020-21 |
| 4107 | B. TECH. | CH03PPC02 | FLUID MECHANICS LAB                                  | 2020-21 |
| 4107 | B. TECH. | CH04THS02 | BUSINESS COMMUNICATION AND PRESENTATION SKILL        | 2020-21 |
| 4107 | B. TECH. | CH04TPC04 | NUMERICAL METHODS IN CHEMICAL ENGINEERING            | 2020-21 |
| 4107 | B. TECH. | CH04TPC05 | INORGANIC CHEMICAL TECHNOLOGY                        | 2020-21 |
| 4107 | B. TECH. | CH04TPC06 | PARTICLE AND FLUID PARTICLE-PROCESSING               | 2020-21 |
| 4107 | B. TECH. | CH04TPC07 | PROCESS INSTRUMENTATION                              | 2020-21 |
| 4107 | B. TECH. | CH04PPC03 | NUMERICAL METHODS IN CHEMICAL ENGINEERING LAB        | 2020-21 |
| 4107 | B. TECH. | CH04PPC04 | PARTICLE AND FLUID PARTICLE-PROCESSING LAB           | 2020-21 |
| 4107 | B. TECH. | CH04PPC05 | PROCESS INSTRUMENTATION LAB                          | 2020-21 |
| 4107 | B. TECH. | CH05TPC08 | HEAT TRANSFER  | 2020-21 |
| 4107 | B. TECH. | CH05TPC09 | MASS TRANSFER-I                                      | 2020-21 |
| 4107 | B. TECH. | CH05TPC10 | CHEMICAL REACTION ENGINEERING-I                      | 2020-21 |
| 4107 | B. TECH. | CH05TPE12 | ORGANIC CHEMICAL TECHNOLOGY                          | 2020-21 |
| 4107 | B. TECH. | CH05TOE11 | FLUIDIZATION ENGINEERING                             | 2020-21 |
| 4107 | B. TECH. | CH05TMC02 | EVOLUTION OF INDIA-BASIC FEATURES AND FUNDAMENTAL PR | 2020-21 |
| 4107 | B. TECH. | CH05PPC06 | HEAT TRANSFER LAB                                    | 2020-21 |
| 4107 | B. TECH. | CH05PPC07 | MASS TRANSFER-I LAB                                  | 2020-21 |
| 4107 | B. TECH. | CH05PPC08 | CHEMICAL REACTION ENGINEERING LAB                    | 2020-21 |
| 4107 | B. TECH. | CH06TPC11 | MASS TRANSFER-II                                     | 2020-21 |
| 4107 | B. TECH. | CH06TPC12 | PROCESS DYNAMICS AND CONTROL                         | 2020-21 |
| 4107 | B. TECH. | CH06TPC13 | PROCESS EQUIPMENT DESIGN-I                           | 2020-21 |
| 4107 | B. TECH. | CH06TPE21 | ENVIRONMENTAL ENGINEERING                            | 2020-21 |
| 4107 | B. TECH. | CH06TPE32 | FUEL COMBUSTION ENERGY TECHNOLOGY                    | 2020-21 |
| 4107 | B. TECH. | CH06TOE21 | PROCESS UTILITIES AND SAFETY                         | 2020-21 |
| 4107 | B. TECH. | CH06PPC09 | PROCESS DYNAMICS AND CONTROL LAB                     | 2020-21 |
| 4107 | B. TECH. | CH06PPC10 | MASS TRANSFER-II LAB                                 | 2020-21 |
| 4107 | B. TECH. | CH7TPC13  | PROCESS EQUIPMENT DESIGN-II                          | 2020-21 |
| 4107 | B. TECH. | CH7TPC14  | CHEMICAL REACTION ENGINEERING-II                     | 2020-21 |

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| 4107         | B. TECH. | CH7TPC15 | NEW SEPARATION PROCESSES                    | 2020-21 |
| 4107         | B. TECH. | CH7TPE41 | PETROLEUM REFINERY ENGINEERING              | 2020-21 |
| 4107         | B. TECH. | CH7TOE31 | TRANSPORT PHENOMENA                         | 2020-21 |
| 4107         | B. TECH. | CH7TOE32 | WATER CONSERVATION AND MANAGEMENT           | 2020-21 |
| 4107         | B. TECH. | CH7PPC08 | MINOR PROJECT                               | 2020-21 |
| 4107         | B. TECH. | CH7PPC09 | VOCATIONAL TRAINING VIVA CUM SEMINAR        | 2020-21 |
| 4107         | B. TECH. | CH8TPC16 | PROCESS EQUIPMENT DESIGN-III                | 2020-21 |
| 4107         | B. TECH. | CH8TPC17 | PROJECT ENGINEERING, ECONOMICS & MANAGEMENT | 2020-21 |
| 4107         | B. TECH. | CH8TPE51 | PETROCHEMICAL TECHNOLOGY                    | 2020-21 |
| 4107         | B. TECH. | CH8TOE41 | OPTIMIZATION TECHNIQUES                     | 2020-21 |
| 4107         | B. TECH. | CH8TOE42 | PROCESS MODELING & SIMULATION               | 2020-21 |
| 4107         | B. TECH. | CH8PPC10 | PROJECT                                     | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1101 | ADVANCED HEAT TRANSFER                      | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1102 | CHEMICAL REACTOR DESIGN                     | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1103 | FLUIDIZATION ENGINEERING                    | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1104 | PROCESS OPTIMIZATION                        | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1105 | ELECTIVE - I                                | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1106 | CHEMICAL ENGINEERING COMPUTATIONAL LAB      | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1201 | ADVANCED FLUID MECHANICS                    | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1202 | ADVANCED MASS TRANSFER                      | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1203 | INDUSTRIAL POLLUTION CONTROL TECHNOLOGIES   | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1204 | DESIGN AND DEVELOPMENT OF CATALYST          | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1205 | ELECTIVE – II                               | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1206 | PROJECT                                     | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG1207 | GENERAL SEMINAR                             | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG2301 | SEMINAR ON DISSERTATION                     | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG2302 | DISSERTATION – INTERIM EVALUATION           | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG2401 | DISSERTATION – OPEN DEFENCE                 | 2020-21 |
| 1-1350252078 | M. TECH. | CHPG2402 | DISSERTATION - EVALUATION                   | 2020-21 |