

NAAC Accreditation III Cycle : A Grade (CGPA 3.41 out of 4) Tiruchirappalli - 620018, Tamil Nadu, India

**NAAC - Cycle IV SSR** 

**CRITERION I** 

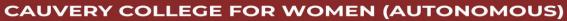
#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

#### **Key Indicator – 1.3 Curriculum Enrichment**

1.3.1 Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum

**List of Courses enshrined Sustainable Development Goals** 

| 2023-2024 | CLICK HERE |
|-----------|------------|
| 2022-2023 | CLICK HERE |
| 2021-2022 | CLICK HERE |
| 2020-2021 | CLICK HERE |
| 2019-2020 | CLICK HERE |





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#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

## 2023-2024

| S. No. | CODE                | COURSE TITLE                                | SDG GOALS                           |
|--------|---------------------|---|-------------------------------------|
| 1.     | CODE<br>23PPH1DSE1B | Energy Physics                              | Affordable and Clean Energy (7)     |
| 2.     | 22UPH4CC5           | Electricity, Magnetism and Electromagnetism | Affordable and Clean Energy (7)     |
| 3.     | 19UCH5SBE3BP        | Biofuels (P)                                | Affordable and Clean Energy (7)     |
| 4.     | 22PPH3DSE3A         | Physics for competitive Examination         | Affordable and clean energy (7)     |
| 5.     | 22PPH3DSE3C         | Weather Forecasting                         | Affordable and clean energy (7)     |
| 6.     | 22PCH4GEC2          | Corrosion and Pollution Management          | Affordable and Clean Energy (7)     |
| 7.     | 20UCH5SBE3AP        | Water Analysis (P)                          | Clean Water and Sanitation (6)      |
| 8.     | 19UMB5SBE2BP        | Solid Waste Management Practical            | Clean water and sanitation (6)      |
| 9.     | 22UGEVS             | Environmental Studies                       | Clean water and sanitation (6)      |
| 10.    | 23PEN2CC7           | American Literature                         | Climate action (13)                 |
| 11.    | 22PEN4CCC3B         | Climatic Literature                         | Climate action (13)                 |
| 12.    | 22PSW3DSE3C         | Environmental Social Work                   | Climate Action (13)                 |
| 13.    | 19UND5CC6           | Dietary Food Service Management             | Decent work & economic growth (8)   |
| 14.    | 19UND5MBE1A         | Food Standards and Quality Control          | Decent work & economic growth (8)   |
| 15.    | 23PFS1CC1           | Food Service Management                     | Decent work & economic growth (8)   |
| 16.    | 23PFS1DSE1C         | Front Office Operations                     | Decent work & economic growth (8)   |
| 17.    | 22PFS2CCC1B         | Food Quality Control and Regulations        | Decent work & economic growth (8)   |
| 18.    | 22PFS2DSE2C         | Food Packaging                              | Decent work & economic growth (8)   |
| 19.    | 22PFS3CCC2C         | Food Service Facilities                     | Decent work & economic growth (8)   |
| 20.    | 22PFS4CC8           | Quantity Food Production and Service        | Decent work & economic growth (8)   |
| 21.    | 22UEN3AC3           | History of English Literature -I            | Decent work and economic growth (8) |
| 22.    | 22UEN4AC4           | History of English Literature – II          | Decent work and economic growth (8) |



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| 23. | 23USW2AC2   | Basics Of Economics and Political System       | Decent work and Economic Growth (8) |
|-----|---|--|-------------------------------------|
| 24. | 19USW6MBE3A   | Social work in Industry                        | Decent work and Economic Growth (8) |
| 25. | 229UBA3CC5  | Organisational Psychology                      | Decent Work and Economic Growth (8) |
| 26. | 19UBA6CC11  | Human Resource Management                      | Decent Work and Economic Growth (8) |
| 27. | 21UCO5CC11  | Entrepreneurship and Small Business Management | Decent Work and Economic Growth (8) |
| 28. | 19UCC5CC10  | Entrepreneurial Development                    | Decent Work and Economic Growth (8) |
| 29. | 19UCC6MBE2A   | Human Resource Management                      | Decent Work and Economic Growth (8) |
| 30. | 23UMA1CC1   | Algebra and Trigonometry                       | Decent Work and Economic Growth (8) |
| 31. | 23UMA1AC1   | Mathematical Statistics                        | Decent Work and Economic Growth (8) |
| 32. | 23UMA1AC2P  | Programming Language using MATLAB (P)          | Decent Work and Economic Growth (8) |
| 33. | 23UMA2CC4   | Integral Calculus                              | Decent Work and Economic Growth (8) |
| 34. | 22UCS2AC3/<br>22UCA2AC3/<br>22UIT2AC3/<br>22UCG2AC3 | Operations Research                            | Decent Work and Economic Growth (8) |
| 35. | 22UMB3AC3   | Biostatistics                                  | Decent Work and Economic Growth (8) |
| 36. | 22UMA4CC8   | Methods in Numerical Analysis                  | Decent Work and Economic Growth (8) |
| 37. | 23UCS1CC1   | Python Programming                             | Decent Work and Economic Growth (8) |
| 38. | 23UCS1CC1P  | Python Programming(P)                          | Decent Work and Economic Growth (8) |
| 39. | 22UCS2CC2   | Programming in Java                            | Decent Work and Economic Growth (8) |
| 40. | 22UCS2CC2P  | Java Programming(P)                            | Decent Work and Economic Growth (8) |
| 41. | 23UCS2CC3P  | Data Visualization (P)                         | Decent Work and Economic Growth (8) |
| 42. | 22UCS3CC4P  | Data Structures (P)                            | Decent Work and Economic Growth (8) |
| 43. | 22UCS3GEC1P   | Office Automation (P)                          | Decent Work and Economic Growth (8) |
| 44. | 22UCS4CC4   | Database Management Systems                    | Decent Work and Economic Growth (8) |
| 45. | 22UCS4CC5P  | SQL & PL/SQL (P)                               | Decent Work and Economic Growth (8) |
| 46. | 22UCS4GEC2P   | Multimedia (P)                                 | Decent Work and Economic Growth (8) |
| 47. | 19UCS5CC5   | Python Programming                             | Decent Work and Economic Growth (8) |



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| 48. | 19UCS5CC5P   | Python Programming Lab                               | Decent Work and Economic Growth (8) |
|-----|--------------|--|-------------------------------------|
| 49. | 19UCS5CC7    | Computer Networks                                    | Decent Work and Economic Growth (8) |
| 50. | 19UCS5MBE1B  | Software Engineering                                 | Decent Work and Economic Growth (8) |
| 51. | 19UCS5SBE2AP | Mobile Application Development Lab                   | Decent Work and Economic Growth (8) |
| 52. | 19UCS5SBE2BP | Computer Networks Lab Using JAVA                     | Decent Work and Economic Growth (8) |
| 53. | 19UCS5SBE3AP | Software Testing Tool – Selenium                     | Decent Work and Economic Growth (8) |
| 54. | 19UGPS       | Professional Skills                                  | Decent Work and Economic Growth (8) |
| 55. | 19UCS6CC8    | Operating Systems                                    | Decent Work and Economic Growth (8) |
| 56. | 19UCS6CC9    | Web Technology                                       | Decent Work and Economic Growth (8) |
| 57. | 19UCS6MBE2A  | Cloud Computing                                      | Decent Work and Economic Growth (8) |
| 58. | 19UCS6MBE2B  | Fundamentals of Big data & IoT                       | Decent Work and Economic Growth (8) |
| 59. | 19UCS6MBE2C  | Artificial Intelligence                              | Decent Work and Economic Growth (8) |
| 60. | 19UCS6MBE3AP | Operating Systems Lab                                | Decent Work and Economic Growth (8) |
| 61. | 19UCS6MBE3BP | R Programming Lab                                    | Decent Work and Economic Growth (8) |
| 62. | 19UCS6MBE3CP | Web Technology Lab                                   | Decent Work and Economic Growth (8) |
| 63. | 21UCG1CC1    | Operating System (Theory & Practicals)               | Decent Work and Economic Growth (8) |
| 64. | 21UCG1CC1P   | Introduction to Worksheets                           | Decent Work and Economic Growth (8) |
| 65. | 21UCG1CC2    | IT Cognition and Problem Solving                     | Decent Work and Economic Growth (8) |
| 66. | 21UCG2CC3    | Computer Networks (Theory & Practicals)              | Decent Work and Economic Growth (8) |
| 67. | 21UCG3CC5    | Java Programming (Theory & Practicals)               | Decent Work and Economic Growth (8) |
| 68. | 21UCG4CC7    | Database Management Systems (Theory & Practicals)    | Decent Work and Economic Growth (8) |
| 69. | 21UCG4NME2P  | Multimedia Practical                                 | Decent Work and Economic Growth (8) |
| 70. | 21UCG4SBE1AP | HTML, CSS, JavaScript Practical                      | Decent Work and Economic Growth (8) |
| 71. | 21UCG4SBE1BP | Computer Hardware and Trouble Shooting Practical     | Decent Work and Economic Growth (8) |
| 72. | 21UCG5CC10   | Client Relationship Management (Theory & Practicals) | Decent Work and Economic Growth (8) |
| 73. | 21UCG5MBE1A  | Computer Organization & Architecture                 | Decent Work and Economic Growth (8) |
| 74. | 21UCG5MBE1B  | Process Management                                   | Decent Work and Economic Growth (8) |



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| 75.  | 21UCG5MBE1C  | Computer Graphics                        | Decent Work and Economic Growth (8) |
|------|--------------|--|-------------------------------------|
| 76.  | 21UCG5SBE2AP | Virtualization & Cloud Practical         | Decent Work and Economic Growth (8) |
| 77.  | 21UCG5SBE2BP | Dot Net Practical                        | Decent Work and Economic Growth (8) |
| 78.  | 21UCG6CC12   | Python Programming (Theory & Practicals) | Decent Work and Economic Growth (8) |
| 79.  | 21UCG6CC13   | Data structures & Algorithms             | Decent Work and Economic Growth (8) |
| 80.  | 21UCG6MBE2A  | Artificial Intelligence                  | Decent Work and Economic Growth (8) |
| 81.  | 21UCG6MBE2B  | Mobile Computing                         | Decent Work and Economic Growth (8) |
| 82.  | 21UCG6MBE2C  | Data mining & Warehousing                | Decent Work and Economic Growth (8) |
| 83.  | 21UCG6MBE3A  | Network Security                         | Decent Work and Economic Growth (8) |
| 84.  | 21UCG6PW     | Project Work                             | Decent Work and Economic Growth (8) |
| 85.  | 23UCA1CC1    | Python Programming                       | Decent work and Economic Growth (8) |
| 86.  | 23UCA1CC1P   | Python Programming Lab (P)               | Decent work and Economic Growth (8) |
| 87.  | 23UCA2CC2P   | Programming In C++ (P)                   | Decent work and Economic Growth (8) |
| 88.  | 22UCA2CC3    | Data Structures                          | Decent work and Economic Growth (8) |
| 89.  | 23UIT1CC1    | Programming in C                         | Decent work and Economic Growth (8) |
| 90.  | 23UIT1CC1P   | C Programming (P)                        | Decent work and Economic Growth (8) |
| 91.  | 23UIT2CC2P   | Data Structures Using C (P)              | Decent work and Economic Growth (8) |
| 92.  | 22UIT3CC3    | Relational Database Management Systems   | Decent work and Economic Growth (8) |
| 93.  | 22UIT3CC3P   | RDBMS (P)                                | Decent work and Economic Growth (8) |
| 94.  | 22UIT3GEC1   | Web Design                               | Decent work and Economic Growth (8) |
| 95.  | 22UIT4CC5    | Programming in Java                      | Decent work and Economic Growth (8) |
| 96.  | 22UIT4CC4P   | Programming in Java (P)                  | Decent work and Economic Growth (8) |
| 97.  | 22UIT4GEC2P  | Web Design (P)                           | Decent work and Economic Growth (8) |
| 98.  | 22UIT4SEC1P  | PC Packages (P)                          | Decent work and Economic Growth (8) |
| 99.  | 19UIT5CC5    | Python Programming & Machine Learning    | Decent work and Economic Growth (8) |
| 100. | 19UIT5CC7    | Digital Logic and Computer Design        | Decent work and Economic Growth (8) |
| 101. | 19UIT5MBE1B  | Object Oriented Analysis and design      | Decent work and Economic Growth (8) |
| 102. | 19UIT5MBE1C  | Software Project Management              | Decent work and Economic Growth (8) |



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| 103. | 19UIT5SBE2AP | Content Management System Tool            | Decent work and Economic Growth (8) |
|------|--------------|---|-------------------------------------|
| 104. | 19UIT5SBE2BP | Interactive Multimedia Software           | Decent work and Economic Growth (8) |
| 105. | 19UIT5SBE3AP | Web Designing Lab                         | Decent work and Economic Growth (8) |
| 106. | 19UIT5SBE3BP | Graphics Lab                              | Decent work and Economic Growth (8) |
| 107. | 19UIT6CC8    | Operating system                          | Decent work and Economic Growth (8) |
| 108. | 20UIT6CC9    | Mobile Application Development            | Decent work and Economic Growth (8) |
| 109. | 19UIT6MBE2A  | PHP and MYSQL Web Development             | Decent work and Economic Growth (8) |
| 110. | 19UIT6MBE2B  | C# Programming                            | Decent work and Economic Growth (8) |
| 111. | 19UIT6MBE2C  | Artificial Intelligence                   | Decent work and Economic Growth (8) |
| 112. | 19UIT6MBE3AP | PHP and MYSQL Web Development Lab         | Decent work and Economic Growth (8) |
| 113. | 19UIT6MBE3BP | .Net with C#                              | Decent work and Economic Growth (8) |
| 114. | 19UIT6MBE3CP | Mobile Application using Android          | Decent work and Economic Growth (8) |
| 115. | 22UMB3GEC1   | Mushroom Technology                       | Decent work and economic growth (8) |
| 116. | 22UMB4GEC2   | Biofertilizer Technology                  | Decent work and economic growth (8) |
| 117. | 19UMB5CC6    | Agricultural Microbiology                 | Decent work and economic growth (8) |
| 118. | 19UMB5MBE1B  | Organic Farming                           | Decent work and economic growth (8) |
| 119. | 19UMB5SBE2AP | Biofertilizer Technology Practical        | Decent work and economic growth (8) |
| 120. | 19UMB5SBE3BP | Vermitechnology Practical                 | Decent work and economic growth (8) |
| 121. | 22PSW3CC6C   | Human Resource Management                 | Decent work and Economic Growth (8) |
| 122. | 22PSW3CC7C   | Labour Laws And Industrial Relations      | Decent work and Economic Growth (8) |
| 123. | 23PCO1CC4    | Strategic Human Resource Management       | Decent Work and Economic Growth (8) |
| 124. | 23PCO1DSE1C  | Labour Laws                               | Decent Work and Economic Growth (8) |
| 125. | 23PMA1CC3    | Ordinary Differential Equations           | Decent Work and Economic Growth (8) |
| 126. | 23PMA1DSE1A  | Number Theory and Cryptography            | Decent Work and Economic Growth (8) |
| 127. | 23PMA1DSE1B  | Graph Theory and Applications             | Decent Work and Economic Growth (8) |
| 128. | 23PMA1DSE1C  | Programming in C++ and Numerical Methods  | Decent Work and Economic Growth (8) |
| 129. | 22PMA2CCC1A  | Partial Differential Equations            | Decent Work and Economic Growth (8) |
| 130. | 22PMA2DSE2AP | Computational Mathematics Using MATLAB(P) | Decent Work and Economic Growth (8) |



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| 131. | 23PMA2DSE2BP | Advanced Numerical Methods Using MATLAB (P)   | Decent Work and Economic Growth (8) |
|------|--------------|---|-------------------------------------|
| 132. | 22PMA2DSE2CP | Ordinary Differential Equations and Partial Differential Equations Using MATLAB (P) | Decent Work and Economic Growth (8) |
| 133. | 22PMA3DSE3C  | Fuzzy Sets and their Applications   | Decent Work and Economic Growth (8) |
| 134. | 22PCH1DSE1BP | Nanoscience and Nanotechnology (P)  | Decent Work and Economic Growth (8) |
| 135. | 22PCH3GEC1   | Nanoscience and Nanotechnology  | Decent Work and Economic Growth (8) |
| 136. | 23PCS1CC2    | Object Oriented Analysis and Design & C++   | Decent Work and Economic Growth (8) |
| 137. | 23PCS1CC3    | Python Programming  | Decent Work and Economic Growth (8) |
| 138. | 23PCS1CC1P   | Algorithm and OOPS (P)  | Decent Work and Economic Growth (8) |
| 139. | 23PCS1DSE1A  | Advanced Software Engineering   | Decent Work and Economic Growth (8) |
| 140. | 22PCS1CC2    | Web Technologies  | Decent Work and Economic Growth (8) |
| 141. | 22PCS1CC1P   | Web Technologies (P)  | Decent Work and Economic Growth (8) |
| 142. | 22PCS2CC4    | Data Mining and Warehousing   | Decent Work and Economic Growth (8) |
| 143. | 22PCS2CCC1B  | Wireless Sensor Networks  | Decent Work and Economic Growth (8) |
| 144. | 22PCS2CCC1C  | MANET   | Decent Work and Economic Growth (8) |
| 145. | 22PCS2CC2P   | Data Mining (P)   | Decent Work and Economic Growth (8) |
| 146. | 22PCO3DSE3C  | Human Resource Analytics  | Decent Work and Economic Growth (9) |
| 147. | 22PCO3GEC1   | Entrepreneurship and New Venture Creation   | Decent Work and Economic Growth (9) |
| 148. | 22PSW4GEC2   | Women Development   | Gender Equality (3)                 |
| 149. | 23UEN2CC4    | Fiction   | Gender equality (5)                 |
| 150. | 22UEN3CC5    | One Act Plays   | Gender equality (5)                 |
| 151. | 19UEN5CC9    | Shakespeare   | Gender equality (5)                 |
| 152. | 19UEN5CC12   | Women's Writing in English  | Gender equality (5)                 |
| 153. | 19UEN6CC15   | Commonwealth Literature   | Gender equality (5)                 |
| 154. | 23PEN1CC3    | English Fiction   | Gender equality (5)                 |
| 155. | 23PEN2CCC1B  | Commonwealth Literature   | Gender equality (5)                 |
| 156. | 23PEN2DSE2B  | Post-Colonial Studies   | Gender equality (5)                 |
| 157. | 22PEN3CC8    | Asian Literature in English   | Gender equality (5)                 |



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| 158. | 22PEN3CC10   | Cultural Studies                        | Gender equality (5)              |
|------|--------------|---|----------------------------------|
| 159. | 22PEN3CCC2B  | Post-Modern Fiction                     | Gender equality (5)              |
| 160. | 22PEN4CC11   | North East Indian Literature            | Gender equality (5)              |
| 161. | 22PEN4CCC3C  | Dalit Literature                        | Gender equality (5)              |
| 162. | 22PSW3CC6B   | Women Welfare and Health                | Gender Equality (5)              |
| 163. | 23UND1CC1    | Human Physiology                        | Good Health and Well – Being (3) |
| 164. | 22UND2CC2    | Nutrition Through Life Span             | Good Health and Well – Being (3) |
| 165. | 23UND2AC3    | Macro and Micro Nutrients               | Good Health and Well – Being (3) |
| 166. | 22UND3CC4    | Diet Therapy I                          | Good Health and Well – Being (3) |
| 167. | 22UND3CC3P   | Diet Therapy I (P)                      | Good Health and Well – Being (3) |
| 168. | 22UND3GEC1   | Basics in Nutrition                     | Good Health and Well – Being (3) |
| 169. | 22UND4CC5    | Diet Therapy II                         | Good Health and Well – Being (3) |
| 170. | 22UND4CC4P   | Diet Therapy II (P)                     | Good Health and Well – Being (3) |
| 171. | 22UND4GEC2   | Meal Planning for the Family            | Good Health and Well – Being (3) |
| 172. | 19UND5CC5    | Diet Therapy I                          | Good Health and Well – Being (3) |
| 173. | 19UND5CC5P   | Diet Therapy I – Practical              | Good Health and Well – Being (3) |
| 174. | 19UND6CC8    | Diet Therapy II                         | Good Health and Well – Being (3) |
| 175. | 19UND6CC6P   | Diet Therapy II - Practical             | Good Health and Well – Being (3) |
| 176. | 19UND6MBE2A  | Community Nutrition                     | Good Health and Well – Being (3) |
| 177. | 19UND6MBE3B  | Nutraceuticals and Functional Foods     | Good Health and Well – Being (3) |
| 178. | 19UMB5SBE3AP | Medical Laboratory Technology Practical | Good health and well-being (3)   |
| 179. | 22UMB3CC4    | Virology                                | Good health and well-being (3)   |
| 180. | 22UMB4CC4P   | Immunology (P)                          | Good health and well-being (3)   |
| 181. | 23PMB2DSE2A  | Medical Microbiology                    | Good health and well-being (3)   |
| 182. | 22PSW2CCC1A  | Counselling: Theory and Practice        | Good Health and Wellbeing (3)    |
| 183. | 22UCH4GEC2   | Food Adulterants and Healthcare         | Good Health and Well – Being (3) |
| 184. | 19UCH6MBE3B  | Pharmaceutical Chemistry                | Good Health and Well – Being (3) |
| 185. | 22USW3CC4    | Human Growth and Development            | Good Health and Well-being (3)   |



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| 186. | 22USW4CC6    | Social Welfare Administration               | Good Health and Well-being (3) |
|------|--------------|---|--------------------------------|
| 187. | 22USW4AC4    | Health Care Services                        | Good Health and Well-being (3) |
| 188. | 22USW4SEC1P  | Life Skills (P)                             | Good Health and Well-being (3) |
| 189. | 19USW5CC9    | Introduction To Counselling & Guidance      | Good Health and Well-being (3) |
| 190. | 19USW5SBE2A  | Psychological First Aid                     | Good Health and Well-being (3) |
| 191. | 19USW6MBE2A  | Gerontological Social Work                  | Good Health and Well-being (3) |
| 192. | 19USW6MBE2B  | Youth Welfare                               | Good Health and Well-being (3) |
| 193. | 19UPH6MBE2B  | Medical Physics                             | Good Health and Well-being (3) |
| 194. | 23UMB1AC1    | Biochemistry I                              | Good health and well-being (3) |
| 195. | 23UMB1AC1P   | Biochemistry I (P)                          | Good health and well-being (3) |
| 196. | 23UMB2AC2    | Biochemistry II                             | Good health and well-being (3) |
| 197. | 22UMB3CC3P   | Virology (P)                                | Good health and well-being (3) |
| 198. | 22UMB4CC5    | Immunology                                  | Good health and well-being (3) |
| 199. | 19UMB5CC5    | Medical Microbiology                        | Good health and well-being (3) |
| 200. | 19UMB6MBE2B  | Food Adulteration                           | Good health and well-being (3) |
| 201. | 22UBT3CC4    | rDNA Technology                             | Good Health and well-being (3) |
| 202. | 22UBT3AC4    | Bioinformatics                              | Good Health and well-being (3) |
| 203. | 22UBT4CC5    | Immunology                                  | Good Health and well-being (3) |
| 204. | 22UBT4SEC1P  | Medical Lab Technology -I (P)               | Good Health and well-being (3) |
| 205. | 19UBT5MBE1A  | Pharmacognosy                               | Good Health and well-being (3) |
| 206. | 19UBT5MBE1B  | Cancer Biology                              | Good Health and well-being (3) |
| 207. | 19UBT5SBE2A  | Molecular Diagnostics and Therapeutics      | Good Health and well-being (3) |
| 208. | 21UBT5SBE3BP | Lab In Plant Tissue Culture & Environmental | Good Health and well-being (3) |
|      |              | Biotechnology                               |                                |
| 209. | 19UBT6MBE2B  | Stem Cell Biology                           | Good Health and well-being (3) |
| 210. | 19UBT6MBE3B  | Drug Discovery and Development              | Good Health and well-being (3) |
| 211. | 23UTA1AC1    | Thamizh Marabu Maruthuvam                   | Good health and well-being (3) |
| 212. | 22PCH3DSE3C  | Pharmaceutical Chemistry                    | Good Health and Well-being (3) |



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| 213. | 22PCH4CCC3C | Bioinorganic Chemistry  | Good Health and Well-being (3)             |
|------|-------------|---|--|
| 214. | 23PMB1CC2   | Biological Macromolecules   | Good health and well-being (3)             |
| 215. | 23PMB2CC4   | Bacteriology and Mycology   | Good health and well-being (3)             |
| 216. | 23PMB2CC5   | Immunology and Immunotechnology                                     | Good health and well-being (3)             |
| 217. | 23PMB2DSE2B | Public Health Microbiology  | Good health and well-being (3)             |
| 218. | 23PMB2DSE2C | Medical Parasitology  | Good health and well-being (3)             |
| 219. | 22PMB3DSE3B | Food Adulteration   | Good health and well-being (3)             |
| 220. | 22PMB3DSE3C | Biomedical Laboratory Technology                                    | Good health and well-being (3)             |
| 221. | 22PMB3GEC1  | Food Quality Testing  | Good health and well-being (3)             |
| 222. | 22PTA4GEC2  | Siddha Maruthuvam   | Good health and well-being (3)             |
| 223. | 19USW4SBE1A | Stress Management   | Good Health and Wellbeing (3)              |
| 224. | 19USW5CC7   | Family and Child Welfare  | Good Health and Wellbeing (3)              |
| 225. | 22PSW2DSE2A | Family Social Work  | Good Health and Wellbeing (3)              |
| 226. | 22PSW2DSE2C | Health and Hygiene  | Good Health and Wellbeing (3)              |
| 227. | 22PSW3CC6A  | Public Health   | Good Health and Wellbeing (3)              |
| 228. | 22PSW3CC7A  | Medical Social Work   | Good Health and Wellbeing (3)              |
| 229. | 22PSW3CC7B  | Child Rights and Child Protection                                   | Good Health and Wellbeing (3)              |
| 230. | 22PSW4CCC3A | Psychiatric Social Work   | Good Health and Wellbeing (3)              |
| 231. | 22PSW4CCC3B | Welfare of the Youth and Aged                                       | Good Health and Wellbeing (3)              |
| 232. | 23UBA1CC1   | Principles of Management  | Industry Innovation and Infrastructure (9) |
| 233. | 23UBA2CC3   | Elements of Marketing   | Industry Innovation and Infrastructure (9) |
| 234. | 23UBA2AC2   | Business Environment  | Industry Innovation and Infrastructure (9) |
| 235. | 22UBA3CC1P  | Computer Applications Package for Managers – Ms<br>Office Practical | Industry Innovation and Infrastructure (9) |
| 236. | 22UBA4CC2P  | Computer Applications Package for Managers – Tally Practical        | Industry Innovation and Infrastructure (9) |
| 237. | 19UBA5CC7   | Entrepreneurial Development   | Industry Innovation and Infrastructure (9) |
| 238. | 19UBA5CC10  | Digital Marketing   | Industry Innovation and Infrastructure (9) |



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# **CRITERION I**

| 239. | 19UBA5MBE1A  | Consumer Behaviour                                   | Industry Innovation and Infrastructure (9) |
|------|--------------|--|--|
| 240. | 19UBA5SBE2AP | Banking Practicum study                              | Industry Innovation and Infrastructure (9) |
| 240. | 19UBA5SBE2BP | New Product Development                              | Industry Innovation and Infrastructure (9) |
| 241. | 19UBA5SBE3AP | -  | •    |
|      |              | Statistical Package for Managers (SPSS)              | Industry Innovation and Infrastructure (9) |
| 243. | 19UBA5SBE3BP | Event Management Practical                           | Industry Innovation and Infrastructure (9) |
| 244. | 19UBA6MBE2A  | Business Analytics                                   | Industry Innovation and Infrastructure (9) |
| 245. | 19UBA6MBE3B  | Business Ethics                                      | Industry Innovation and Infrastructure (9) |
| 246. | 23UCO1CC2    | Principles of Management                             | Industry Innovation and Infrastructure (9) |
| 247. | 22UCO2AC2    | Banking Theory Law and Practice                      | Industry Innovation and Infrastructure (9) |
| 248. | 22UCO3GEC1   | Elements of Insurance                                | Industry Innovation and Infrastructure (9) |
| 249. | 22UCO4CC1P   | Accounting Package (P)                               | Industry Innovation and Infrastructure (9) |
| 250. | 22UCO4AC4    | E-Commerce and Web Designing                         | Industry Innovation and Infrastructure (9) |
| 251. | 22UCO4SEC1P  | Introduction to MS-Office (P)                        | Industry Innovation and Infrastructure (9) |
| 252. | 21UCO5MBE1A  | GST  | Industry Innovation and Infrastructure (9) |
| 253. | 21UCO5MBE1B  | E - Commerce   | Industry Innovation and Infrastructure (9) |
| 254. | 21UCO5SBE2AP | Introduction to MS-Excel and PowerPoint (Practical)  | Industry Innovation and Infrastructure (9) |
| 255. | 21UCO5SBE2BP | Digital Designs for Business Application (Practical) | Industry Innovation and Infrastructure (9) |
| 256. | 21UCO5SBE3AP | Commerce - Practical                                 | Industry Innovation and Infrastructure (9) |
| 257. | 21UCO6MBE2B  | Human Resource Management                            | Industry Innovation and Infrastructure (9) |
| 258. | 21UCO6MBE3A  | Corporate Governance                                 | Industry Innovation and Infrastructure (9) |
| 259. | 23UCC1CC2    | Principles of Management                             | Industry Innovation and Infrastructure (9) |
| 260. | 22UCC2CC3    | Modern Marketing                                     | Industry Innovation and Infrastructure (9) |
| 261. | 22UCC3GEC1   | Office Management                                    | Industry Innovation and Infrastructure (9) |
| 262. | 22UCC4GEC2   | E-Business   | Industry Innovation and Infrastructure (9) |
| 263. | 22UCC4SEC1P  | Accounting Package (P)                               | Industry Innovation and Infrastructure (9) |
| 264. | 19UCC5MBE1B  | E-Retailing  | Industry Innovation and Infrastructure (9) |
| 265. | 21UCC5SBE2AP | Tally ERP (Practical)                                | Industry Innovation and Infrastructure (9) |
| 266. | 19UCC5SBE2BP | Digital Designs for Business Application (Practical) | Industry Innovation and Infrastructure (9) |

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# **CRITERION I**

| 267. | 21UCC5SBE3AP | Commerce – Practical  | Industry Innovation and Infrastructure (9)  |
|------|--------------|---|---|
| 268. | 19UCC6CC3P   | Computerized Accounting – Practicals  | Industry Innovation and Infrastructure (9)  |
| 269. | 19UCC6MBE2B  | Modern Banking  | Industry Innovation and Infrastructure (9)  |
| 270. | 23UCA2CC2    | Programming In C++  | Industry Innovation and Infrastructure (9)  |
| 271. | 23UIT2CC2    | Data Structures and Algorithms  | Industry Innovation and Infrastructure (9)  |
| 272. | 22UIT2CC3    | Digital Fundamentals  | Industry Innovation and Infrastructure (9)  |
| 273. | 19UIT5CC5P   | Programming in Python Lab   | Industry Innovation and Infrastructure (9)  |
| 274. | 19UIT5CC6    | Computer Networks   | Industry Innovation and Infrastructure (9)  |
| 275. | 20UIT5MBE1A  | Software Engineering  | Industry Innovation and Infrastructure (9)  |
| 276. | 23PCO1CC2    | Digital Marketing   | Industry Innovation and Infrastructure (9)  |
| 277. | 23PCO1CC3    | Banking and Insurance   | Industry Innovation and Infrastructure (9)  |
| 278. | 23PCO1DSE1A  | Security Analysis and Portfolio Management                                    | Industry Innovation and Infrastructure (9)  |
| 279. | 23PCO2CC7    | Economic and Environment Law  | Industry Innovation and Infrastructure (9)  |
| 280. | 23PCO2CCC1A  | Logistics and Supply Chain Management   | Industry Innovation and Infrastructure (9)  |
| 281. | 23PCO2DSE2A  | Business Ethics, Corporate Social Responsibility and Governance               | Industry Innovation and Infrastructure (9)  |
| 282. | 22PCO2DSE2B  | Retail Management   | Industry Innovation and Infrastructure (9)  |
| 283. | 22PCO2DSE2C  | Business Information System   | Industry Innovation and Infrastructure (9)  |
| 284. | 22PCO3CC9    | International Trade Finance   | Industry Innovation and Infrastructure (9)  |
| 285. | 22PCO3CC1P   | Data Analytics using Excel (P)  | Industry Innovation and Infrastructure (9)  |
| 286. | 22PGCS3CCC2A | Cyber Security  | Industry Innovation and Infrastructure (9)  |
| 287. | 22UPH2CC2    | Mechanics and Relativity  | Industry, Innovation and Infrastructure (9) |
| 288. | 23UPH2CC3    | Introduction to Digital Electronics   | Industry, Innovation and Infrastructure (9) |
| 289. | 19UPH5CC7    | Analog Electronics  | Industry, Innovation and Infrastructure (9) |
| 290. | 19UPH5MBE1B  | Laser Physics   | Industry, Innovation and Infrastructure (9) |
| 291. | 23UCH1CC1P   | Quantitative Inorganic Estimation (Titrimetry) and Inorganic Preparations (P) | Industry, Innovation and Infrastructure (9) |
| 292. | 22UCH2CC3    | Material Science  | Industry, Innovation and Infrastructure (9) |



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# **CRITERION I**

| 293. | 20UCH5MBE1A  | Nuclear and Industrial Chemistry                           | Industry, Innovation and Infrastructure (9) |
|------|--------------|--|---|
| 294. | 20UCH5MBE1B  | Basics of Nanoscience and Nanotechnology                   | Industry, Innovation and Infrastructure (9) |
| 295. | 19UCH5SBE2BP | Dye Chemistry (P)  | Industry, Innovation and Infrastructure (9) |
| 296. | 19UCH6MBE3A  | Polymer Chemistry  | Industry, Innovation and Infrastructure (9) |
| 297. | 21UCG5CC9    | Introduction to Digital Technologies (Theory & Practicals) | Industry, Innovation and Infrastructure (9) |
| 298. | 21UCG5CC11   | Virtualization & Cloud                                     | Industry, Innovation and Infrastructure (9) |
| 299. | 19UMB6CC8    | Industrial Microbiology                                    | Industry, innovation and infrastructure (9) |
| 300. | 19UMB6CC9    | Food Microbiology  | Industry, innovation and infrastructure (9) |
| 301. | 19UMB6CC4P   | Industrial and Food Microbiology - Practicals              | Industry, innovation and infrastructure (9) |
| 302. | 22UGIE       | Innovation and Entrepreneurship                            | Industry, Innovation and Infrastructure (9) |
| 303. | 19UBT6MBE3A  | Bioentrepreneurship  | Industry, Innovation and Infrastructure (9) |
| 304. | 19UND5MBE1B  | Techniques of Food Evaluation                              | Industry, innovation and infrastructure (9) |
| 305. | 19UND6MBE3A  | Food Processing  | Industry, innovation and infrastructure (9) |
| 306. | 22PPH2DSE2C  | Material Characterization and Measurement<br>Techniques    | Industry, Innovation and Infrastructure (9) |
| 307. | 22PPH4CCC3B  | Nanophysics  | Industry, Innovation and Infrastructure (9) |
| 308. | 22PPH4CCC3C  | Space Physics  | Industry, Innovation and Infrastructure (9) |
| 309. | 22PCH4CCC3A  | Chemistry of Nanoscience                                   | Industry, Innovation and Infrastructure (9) |
| 310. | 23PMB1DSE1B  | Microalgal Technology                                      | Industry, innovation and infrastructure (9) |
| 311. | 22PMB3CC7    | Food and Dairy Microbiology                                | Industry, innovation and infrastructure (9) |
| 312. | 22PMB3CCC2B  | Microbial Gene Technology                                  | Industry, innovation and infrastructure (9) |
| 313. | 22PMB4CC8    | Bioprocess Technology                                      | Industry, innovation and infrastructure (9) |
| 314. | 22PMB4CCC3C  | Microbial Nanotechnology                                   | Industry, innovation and infrastructure (9) |
| 315. | 22PMB4CC4P   | Bioprocess Technology (P)                                  | Industry, innovation and infrastructure (9) |
| 316. | 22PFS3CC6    | Food Product Development and Entrepreneurship              | Industry, innovation and infrastructure (9) |
| 317. | 22PFS3DSE3B  | Waste Management in Food Industries                        | Industry, innovation and infrastructure (9) |
| 318. | 22PFS4CCC3B  | Techniques in Food Analysis                                | Industry, innovation and infrastructure (9) |



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# **CRITERION I**

| 319. | 19UPH5MBE1A  | Materials Science                                    | Industry, Innovation, and Infrastructure (9) |
|------|--------------|--|--|
| 320. | 21UCG2CC4    | Information Technology Infrastructure Library -ITIL  | Industry, Innovation, and Infrastructure (9) |
| 321. | 21UCG3CC6    | Infrastructure Management                            | Industry, Innovation, and Infrastructure (9) |
| 322. | 21UCG5CC8    | Software Testing (Theory & Practicals)               | Industry, Innovation, and Infrastructure (9) |
| 323. | 21UCG6MBE3B  | Human Computer Interaction                           | Industry, Innovation, and Infrastructure (9) |
| 324. | 21UCG6MBE3C  | Big Data & IoT                                       | Industry, Innovation, and Infrastructure (9) |
| 325. | 21UCG6SBE3AP | Mobile Application Development Practical             | Industry, Innovation, and Infrastructure (9) |
| 326. | 21UCG6SBE3BP | MONGODB Practical                                    | Industry, Innovation, and Infrastructure (9) |
| 327. | 23PPH1CC2    | Classical Dynamics and Relativity                    | Industry, Innovation, and Infrastructure (9) |
| 328. | 23PPH1DSE1A  | Physics of Nano Science and Technology               | Industry, Innovation, and Infrastructure (9) |
| 329. | 22PPH2CC4    | Electromagnetic Theory                               | Industry, Innovation, and Infrastructure (9) |
| 330. | 23PPH2CC5    | Quantum Mechanics                                    | Industry, Innovation, and Infrastructure (9) |
| 331. | 22PPH2DSE2A  | Numerical Methods and Python Programming             | Industry, Innovation, and Infrastructure (9) |
| 332. | 22PPH3CC7    | Solid State Physics                                  | Industry, Innovation, and Infrastructure (9) |
| 333. | 22PPH3CCC2B  | Communication Electronics                            | Industry, Innovation, and Infrastructure (9) |
| 334. | 22PPH3CCC2C  | Physics of Semiconductor Devices                     | Industry, Innovation, and Infrastructure (9) |
| 335. | 22PPH3GEC1   | Science of Materials                                 | Industry, Innovation, and Infrastructure (9) |
| 336. | 22PPH4CC8    | Nuclear and Particle Physics                         | Industry, Innovation, and Infrastructure (9) |
| 337. | 22PCS2DSE2A  | Cryptography and Network Security                    | Industry, Innovation, and Infrastructure (9) |
| 338. | 22PCS2DSE2B  | Blockchain and Cryptocurrencies                      | Industry, Innovation, and Infrastructure (9) |
| 339. | 22PCS2DSE2C  | Ethical Hacking                                      | Industry, Innovation, and Infrastructure (9) |
| 340. | 23UEN1CC2    | Indian Writing in English                            | Life on land (15)                            |
| 341. | 19UEN6CC14   | Indian Writing in English                            | Life on land (15)                            |
| 342. | 22UPH3CC4    | Thermal Physics and Statistical Mechanics            | Life on land (15)                            |
| 343. | 22UPH3GEC1   | Physics in Everyday Life                             | Life on land (15)                            |
| 344. | 23UMB1CC1    | Fundamentals of Microbiology and Microbial Diversity | Life on land (15)                            |
| 345. | 23UMB2CC2    | Microbial Physiology                                 | Life on land (15)                            |



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| 346. | 19UMB5MBE1A | Fundamentals of Botany and Zoology                         | Life on land (15)              |
|------|-------------|--|--------------------------------|
| 347. | 23UBT1CC1   | Cell and Molecular Biology                                 | Life on Land (15)              |
| 348. | 23UBT1AC1   | Biological Chemistry                                       | Life on Land (15)              |
| 349. | 23UBT2CC2   | Genetics   | Life on Land (15)              |
| 350. | 22UBT3GEC1  | Basics of Biotechnology                                    | Life on Land (15)              |
| 351. | 19UBT5CC6   | Animal Biotechnology                                       | Life on Land (15)              |
| 352. | 23UTA2AC2   | Thamizhar Nunkalaigal                                      | Life on Land (15)              |
| 353. | 22UTA3AC3   | Thamizhaga Varalarum Panbadum                              | Life on Land (15)              |
| 354. | 22UTA4CC8   | Samaya Ilakkiyam   | Life on Land (15)              |
| 355. | 19UTA5CC12  | Nattupuraviyal   | Life on Land (15)              |
| 356. | 19UTA6CC14  | Sanga Ilakkiyam-1  | Life on Land (15)              |
| 357. | 19UTA6CC15  | Sanga Ilakkiyam-1i   | Life on Land (15)              |
| 358. | 23PEN1CC4   | Indian Writing in English                                  | Life on land (15)              |
| 359. | 22PSW2DSE2B | Disaster Management  | Life on Land (15)              |
| 360. | 23PMB1CC1   | General Microbiology and Microbial Diversity               | Life on land (15)              |
| 361. | 23PMB1DSE1C | Molecular Taxonomy and Phylogeny                           | Life on land (15)              |
| 362. | 22PTA1CC3   | Samaya Ilakkiyamum Siddhar Ilakkiyamum                     | Life on Land (15)              |
| 363. | 22PTA1DSE1C | Thamizhil Siru Pathirikaigal                               | Life on Land (15)              |
| 364. | 22PTA2CC7   | Kaappiyangal   | Life on Land (15)              |
| 365. | 23USW1AC1   | Sociology for Social Work                                  | No Poverty (1)                 |
| 366. | 19UBT5CC5   | Plant Biotechnology  | No Poverty (1)                 |
| 367. | 23PSW1DSE1A | Sociological and Psychological Foundations for Social Work | No Poverty (1)                 |
| 368. | 22PSW3GEC1  | Indian Social Problems                                     | No Poverty (1)                 |
| 369. | 23UE1       | General English -I   | Partnership for the goals (17) |
| 370. | 23UE2       | General English - II                                       | Partnership for the goals (17) |
| 371. | 23UEN2AC2   | Literary Forms   | Partnership for the goals (17) |
| 372. | 22UE3       | Learning Grammar Through Literature-I                      | Partnership for the goals (17) |



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| 373. | 22UEN3GEC1  | Presentation Skills in English                     | Partnership for the goals (17)              |
|------|-------------|--|---|
| 374. | 22UE4       | Learning Grammar Through Literature – II           | Partnership for the goals (17)              |
| 375. | 22UENCC8    | Introduction of Language and Linguistics           | Partnership for the goals (17)              |
| 376. | 22UPH4GEC2  | Photography and Videography                        | Partnership for the Goals (17)              |
| 377. | 22PPH3DSE3B | Crystal Growth and Thin Film Physics               | Partnerships for the Goals (17)             |
| 378. | 19UPH5CC6   | Atomic and Nuclear Physics                         | Partnerships for the Goals (17)             |
| 379. | 22PSW3CCC2C | Corporate Social Responsibility                    | Partnerships for the Goals (17)             |
| 380. | 23PPH1CC1   | Mathematical Physics                               | Partnerships for the Goals (17)             |
| 381. | 23PPH1DSE1C | Digital Communication                              | Partnerships for the Goals (17)             |
| 382. | 22PPH4GEC2  | Trouble Shooting and Repairing Domestic Appliances | Partnerships for the Goals (17)             |
| 383. | 22UBT4AC6   | Basics of Forensic Biology                         | Peace and Justice Strong Institutions (16)  |
| 384. | 19UBT6CC9   | IPR, Bioethics and Biosafety                       | Peace and Justice strong Institutions (16)  |
| 385. | 19USW6CC12  | Correctional Social work                           | Peace, justice and Strong Institutions      |
| 386. | 22UTA3CC6   | Sitrilakkiyam                                      | Peace, Justice and Strong Institutions      |
| 387. | 23UEN1CC1   | Introduction to Literature                         | Peace, justice and strong institutions (11) |
| 388. | 23UEN2CC3   | Poetry – I   | Peace, justice and strong institutions (11) |
| 389. | 22UEN3CC6   | Poetry -I  | Peace, justice and strong institutions (16) |
| 390. | 22UENCC7    | Drama  | Peace, justice and strong institutions (16) |
| 391. | 19UEN5CC11  | American Literature                                | Peace, justice and strong institutions (16) |
| 392. | 19UEN5MBE1A | Mastering English Literature                       | Peace, justice and strong institutions (16) |
| 393. | 19UEN6MBE2A | Journalism   | Peace, justice and strong institutions (16) |
| 394. | 23UTA1CC1   | Ikkala Ilakkiyam                                   | Peace, Justice and Strong Institutions (16) |
| 395. | 19UTA5CC10  | Ara Ilakkiyam                                      | Peace, Justice and Strong Institutions (16) |
| 396. | 23PEN1CC1   | English Poetry – From Chaucer to 20th Century      | Peace, justice and strong institutions (16) |
| 397. | 23PEN1CC2   | English Drama                                      | Peace, justice and strong institutions (16) |
| 398. | 22PEN3CCC2C | Australian Literature                              | Peace, justice and strong institutions (16) |
| 399. | 22PEN3DSE3B | Single Author Study – Rabindranath Tagore          | Peace, justice and strong institutions (16) |
| 400. | 22PEN3DSE3C | Global Fiction                                     | Peace, justice and strong institutions (16) |



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# **CRITERION I**

| 401. | 22PEN4CC12A | Nobel Laureates 1913-2022                           | Peace, justice and strong institutions (16) |
|------|-------------|---|---|
| 402. | 22PEN4CCC3A | New Literature                                      | Peace, justice and strong institutions (16) |
| 403. | 22PTA1CC2   | Puthuk Kavidhaiyum Naadagamum                       | Peace, Justice and Strong Institutions (16) |
| 404. | 22PTA1DSE1A | Nattar Vazhakatrial                                 | Peace, Justice and Strong Institutions (16) |
| 405. | 22PTA2CC6   | Punaikadhaiyum Urai Nadaiyum                        | Peace, Justice and Strong Institutions (16) |
| 406. | 22PTA3CC9   | Ara Ilakkiyam                                       | Peace, Justice and Strong Institutions (16) |
| 407. | 22PTA3CC10  | Sanga Ilakkiyam-Ettuthogai                          | Peace, Justice and Strong Institutions (16) |
| 408. | 22PTA4CC12  | Sanga Ilakkiyam-Pathu Paattu                        | Peace, Justice and Strong Institutions (16) |
| 409. | 22UMB3AC4   | Biostatistics                                       | Quality Education (3)                       |
| 410. | 22UMB3AC5P  | Biostatistics (P)                                   | Quality Education (3)                       |
| 411. | 22UEN4INT   | Internship  | Quality education (4)                       |
| 412. | 22UEN4GEC2  | Communication Skills in English                     | Quality education (4)                       |
| 413. | 22UEN4SEC1P | Public Speaking (P)                                 | Quality education (4)                       |
| 414. | 19UEN5CC10  | Principles of Literary Criticism                    | Quality education (4)                       |
| 415. | 19UEN5MBE1B | Translation Theory and Practice                     | Quality education (4)                       |
| 416. | 19UEN5SBE2A | Academic Writing                                    | Quality education (4)                       |
| 417. | 19UEN5SBE2B | Functional English                                  | Quality education (4)                       |
| 418. | 19UEN5SBE3A | Public Speaking                                     | Quality education (4)                       |
| 419. | 19UEN5SBE3B | Art of Speaking                                     | Quality education (4)                       |
| 420. | 19UGPS      | Professional Skills                                 | Quality education (4)                       |
| 421. | 19UEN6CC13  | English Language Teaching                           | Quality education (4)                       |
| 422. | 19UEN6MBE2B | Mass Communication                                  | Quality education (4)                       |
| 423. | 19UEN6MBE3A | Developing Language Skills                          | Quality education (4)                       |
| 424. | 19UEN6MBE3B | Phonetics   | Quality education (4)                       |
| 425. | 19UPH6CC8   | Digital Electronics and Microprocessor Fundamentals | Quality Education (4)                       |
| 426. | 19UPH6CC9   | Classical and Quantum Physics                       | Quality Education (4)                       |
| 427. | 22UCH4INT   | Internship  | Quality Education (4)                       |
| 428. | 20UCH6PW    | Project Work  | Quality Education (4)                       |



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| 429. | 23UMB1CC1P  | Fundamentals of Microbiology and Microbial Diversity (P) | Quality Education (4) |
|------|-------------|--|-----------------------|
| 430. | 23UMB2CC3   | Molecular Biology  | Quality Education (4) |
| 431. | 23UMB2CC2P  | Microbial Physiology and Molecular Biology (P)           | Quality Education (4) |
| 432. | 22UMB4SEC1P | Herbal Medicine (P)                                      | Quality Education (4) |
| 433. | 19UMB5CC7   | Molecular Biology  | Quality education (4) |
| 434. | 19UMB6MBE2A | Microbial Biotechnology                                  | Quality education (4) |
| 435. | 19UMB6MBE3A | Recombinant DNA Technology                               | Quality education (4) |
| 436. | 19UMB6MBE3B | Biological Techniques                                    | Quality education (4) |
| 437. | 23UBT2CC3   | Biomolecular Techniques                                  | Quality Education (4) |
| 438. | 22UBT4GEC2  | Applied Biotechnology                                    | Quality Education (4) |
| 439. | 19UBT5CC7   | Biostatistics  | Quality education (4) |
| 440. | 23UTA1CC2   | Thamizhaga Varalarum Panbaadum                           | Quality Education (4) |
| 441. | 22UTA4AC4   | Kaninini Thamizh   | Quality Education (4) |
| 442. | 19UTA6MBE3A | Sutrulaaviyal  | Quality Education (4) |
| 443. | 23PEN1DSE1A | Theatre Art  | Quality education (4) |
| 444. | 23PEN1DSE1B | Rhetoric& Stylistics                                     | Quality education (4) |
| 445. | 23PEN1DSE1C | Technical English  | Quality education (4) |
| 446. | 23PEN2CC5   | British Literature                                       | Quality education (4) |
| 447. | 23PEN2CC6   | Translation Theory & Practice                            | Quality education (4) |
| 448. | 23PEN2CCC1A | Literary Theory and Criticism                            | Quality education (4) |
| 449. | 23PEN2CCC1C | Skill Enhancement  | Quality education (4) |
| 450. | 23PEN2DSE2A | English Language Teaching                                | Quality education (4) |
| 451. | 23PEN2DSE2C | Branches of Linguistics                                  | Quality education (4) |
| 452. | 23PEN2INT   | Internship   | Quality education (4) |
| 453. | 22PEN3CC9   | Research Methodology                                     | Quality education (4) |
| 454. | 22PEN3DSE3A | English Literature for UGC Examinations                  | Quality education (4) |
| 455. | 22PEN3GEC1  | The Great Indian Epic literature -A Philosophical        | Quality education (4) |



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# **CRITERION I**

|      |             | Approach  |                           |
|------|-------------|---|---------------------------|
| 456. | 22PEN4GEC2  | Campus to Global Connect  | Quality education (4)     |
| 457. | 23PPH1CC3   | Linear and Digital ICs and Applications                                   | Quality Education (4)     |
| 458. | 23PCH2DSE2B | Forensic Chemistry  | Quality Education (4)     |
| 459. | 23PCH2DSE2C | Analytical Chemistry  | Quality Education (4)     |
| 460. | 22PCH2INT   | Internship  | Quality Education (4)     |
| 461. | 22PCH4PW    | Project Work  | Quality Education (4)     |
| 462. | 23PMB1CC3   | Molecular Biology and Microbial Genetics                                  | Quality education (4)     |
| 463. | 23PMB1DSE1A | Biological Instrumentation  | Quality education (4)     |
| 464. | 23PMB2CCC1A | Microbial Metabolism  | Quality education (4)     |
| 465. | 23PMB2CCC1B | Microbial Physiology  | Quality education (4)     |
| 466. | 23PMB2CCC1C | Microbial Growth and nutrition  | Quality education (4)     |
| 467. | 23PMB2CC2P  | Bacteriology, Mycology, Immunology and Immunotechnology (P)               | Quality education (4)     |
| 468. | 22PMB3CC6   | Molecular Biology and Microbial Genetics                                  | Quality education (4)     |
| 469. | 22PMB3CCC2C | Biosafety and Intellectual Property Rights                                | Quality education (4)     |
| 470. | 22PMB3CC3P  | Molecular Biology and Microbial Genetics, Food and Dairy Microbiology (P) | Quality education (4)     |
| 471. | 22PMB3DSE3A | Microbiology for Competitive Examination                                  | Quality education (4)     |
| 472. | 22PMB4CCC3B | Computational Biology   | Quality education (4)     |
| 473. | 22PTA2DSE2A | Araaichi Nerimuraigal   | Quality Education (4)     |
| 474. | 22PTA3DSE3A | Potti Thervu Thamizh  | Quality Education (4)     |
| 475. | 23USW1CC1   | Introduction to Social Work   | Reduced Inequalities (10) |
| 476. | 22USW3AC3   | Social Legislations   | Reduced Inequalities (10) |
| 477. | 22USW3GEC1  | Human Rights  | Reduced Inequalities (10) |
| 478. | 19USW4NME2  | Women Rights and Laws   | Reduced Inequalities (10) |
| 479. | 19USW5MBE1B | Welfare of Vulnerable   | Reduced Inequalities (10) |
| 480. | 19USW6CC11  | Welfare of Persons with Disabilities                                      | Reduced Inequalities (10) |



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# **CRITERION I**

| 481. | 23PSW1CC1    | Social Work Profession                             | Reduced Inequalities (10)                   |
|------|--------------|--|---|
| 482. | 23PSW2CC5    | Indirect Methods of Social Work                    | Reduced Inequalities (10)                   |
| 483. | 22PSW2CCC1C  | Youth and Marginalized Sections                    | Reduced Inequalities (10)                   |
| 484. | 23UND2CC3    | Food Science                                       | Responsible consumption & production (12)   |
| 485. | 23PFS1CC2    | Food Science                                       | Responsible consumption & production (12)   |
| 486. | 23PFS1DSE1A  | Food Microbiology, Safety and Quality Control      | Responsible consumption & production (12)   |
| 487. | 23PFS1DSE1B  | Nutrition Through Life Cycle                       | Responsible consumption & production (12)   |
| 488. | 23PFS2CC4    | Public Health Nutrition                            | Responsible consumption & production (12)   |
| 489. | 23PFS2CC5    | Advanced Dietetics                                 | Responsible consumption & production (12)   |
| 490. | 23PFS2CCC1C  | Nutrition in Clinical Critical Care                | Responsible consumption & production (12)   |
| 491. | 22PFS2CC2P   | Advanced Dietetics II (P)                          | Responsible consumption & production (12)   |
| 492. | 22PFS2DSE2A  | Functional Foods, Nutraceuticals and Nutrigenomics | Responsible consumption & production (12)   |
| 493. | 22PFS3CCC2B  | Food Microbiology and Sanitation                   | Responsible consumption & production (12)   |
| 494. | 22PFS3DSE3C  | Child Development                                  | Responsible consumption & production (12)   |
| 495. | 22PFS4CCC3C  | Dietary Compliance and Counselling Skills          | Responsible consumption & production (12)   |
| 496. | 23UBA1AC1    | Managerial Economics                               | Responsible Consumption and Production (12) |
| 497. | 22UBA4GEC2   | Export Management                                  | Responsible Consumption and Production (12) |
| 498. | 19UBA6MBE2B  | Global Business Management                         | Responsible Consumption and Production (12) |
| 499. | 19UBA6MBE3A  | Operations Management                              | Responsible Consumption and Production (12) |
| 500. | 23UCO1AC1    | Business Economics                                 | Responsible Consumption and Production (12) |
| 501. | 22UCH4SEC1P  | Chemistry of Consumer Products(P)                  | Responsible consumption and Production (12) |
| 502. | 19UCH5SBE2AP | Chemistry of Consumer Products (P)                 | Responsible Consumption and Production (12) |
| 503. | 19UBT6MBE2A  | Environmental Biotechnology                        | Responsible Consumption and Production (12) |
| 504. | 23UEN1AC1    | Social History of England                          | Sustainable Cities and Communities (11)     |
| 505. | 19USW5CC8    | Community Development (Rural /Urban//Tribal)       | Sustainable Cities and Communities (11)     |
| 506. | 23UMA1CC2    | Differential Calculus                              | Sustainable Cities and Communities (11)     |
| 507. | 23UMA2CC1P   | Statistics with Excel (P)                          | Sustainable Cities and Communities (11)     |
| 508. | 23UMA2AC3    | Applied Statistics                                 | Sustainable Cities and Communities (11)     |



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# **CRITERION I**

| 509. | 23UCS1AC1/   | Numerical Methods                                    | Sustainable Cities and Communities (11) |
|------|--------------|--|---|
|      | 23UCA1AC1/   |  | ` ,                                     |
|      | 23UIT1AC1/   |  |   |
|      | 23UCG1AC1    |  |   |
| 510. | 23UCS1AC2/   | Graph Theory and its Applications                    | Sustainable Cities and Communities (11) |
|      | 23UIT1AC2    |  |   |
| 511. | 23UCA1AC2    | Statistical Methods and its Application-I            | Sustainable Cities and Communities (11) |
| 512. | 22UMA4CC7    | Sequences and Series                                 | Sustainable Cities and Communities (11) |
| 513. | 22UMA4SEC1P  | Statistical Tools and Techniques - R Programming (P) | Sustainable Cities and Communities (11) |
| 514. | 21UMA5CC10   | Statics  | Sustainable Cities and Communities (11) |
| 515. | 21UMA5MBE1A  | Fuzzy Sets and Systems                               | Sustainable Cities and Communities (11) |
| 516. | 21UMA5SBE3BP | Numerical Methods with MATLAB Programming            | Sustainable Cities and Communities (11) |
|      |              | (Practical)  |   |
| 517. | 21UMA6CC14   | Dynamics   | Sustainable Cities and Communities (11) |
| 518. | 21UMA6CC15   | Operations Research                                  | Sustainable Cities and Communities (11) |
| 519. | 21UMA6MBE2A  | Graph Theory   | Sustainable Cities and Communities (11) |
| 520. | 23UPH1CC1    | Properties of Matter, Waves and Acoustics            | Sustainable Cities and Communities (11) |
| 521. | 19UPH5CC5    | Optics   | Sustainable Cities and Communities (11) |
| 522. | 19UPH6MBE2A  | Communication Physics                                | Sustainable Cities and Communities (11) |
| 523. | 19UPH6MBE2B  | Computational Physics                                | Sustainable Cities and Communities (11) |
| 524. | 19UPH6MBE3B  | Astrophysics and Cosmology                           | Sustainable Cities and Communities (11) |
| 525. | 22UCH3GEC1   | Chemistry in Every Day Life                          | Sustainable Cities and Communities (11) |
| 526. | 20UCH6MBE2AP | Analytical Chemistry Techniques (P)                  | Sustainable Cities and Communities (11) |
| 527. | 20UCH6MBE2BP | Analysis of Herbal Medicine (P)                      | Sustainable Cities and Communities (11) |
| 528. | 22UGEVS      | Environmental Studies                                | Sustainable Cities and Communities (11) |
| 529. | 23PSW2CC4    | Community Organisation and Social Policy             | Sustainable Cities and Communities (11) |
| 530. | 22PSW1CC3    | Community Organisation and Social Action             | Sustainable Cities and Communities (11) |
| 531. | 22PSW3CC6D   | Rural & Tribal Community Development                 | Sustainable Cities and Communities (11) |
| 532. | 22PSW3CC7D   | Urban Community Development                          | Sustainable Cities and Communities (11) |



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# **CRITERION I**

| 533. | 22PSW4CCC3D  | Development Planning, Policy and Practice | Sustainable Cities and Communities (11) |
|------|--------------|---|---|
| 534. | 22PMA2CCC1B  | Mathematical Programming                  | Sustainable Cities and Communities (11) |
| 535. | 23PPH2CCC1C  | Physics of Sensor and Transducer          | Sustainable Cities and Communities (11) |
| 536. | 22PPH3CC6    | Statistical Mechanics                     | Sustainable Cities and Communities (11) |
| 537. | 22PPH4CCC3A  | Advanced Optics and Spectroscopy          | Sustainable Cities and Communities (11) |
| 538. | 23PCH1DSE1AP | Instrumentation Techniques(P)             | Sustainable Cities and Communities (11) |
| 539. | 22PCH1DSE1CP | Biochemistry (P)                          | Sustainable Cities and Communities (11) |
| 540. | 23PCH2DSE2A  | Green Chemistry                           | Sustainable Cities and Communities (11) |
| 541. | 22PCH4CCC3B  | Biofuels                                  | Sustainable Cities and Communities (11) |
| 542. | 19UPH5SBE2AP | Physics Concepts Through Simulation       | Sustainable Cities and Communities (12) |





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#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

#### 2022 - 2023

| S. No. | COURSE<br>CODE | COURSE TITLE                                 | SDG GOALS   |
|--------|----------------|--|---|
| 1.     | 19UPH4CC4      | Electricity, Magnetism and Electromagnetism  | Affordable and Clean Energy (7)                       |
| 2.     | 22UCH2CC3      | Material Science                             | Affordable and Clean Energy (7)                       |
| 3.     | 19UCH5SBE3BP   | Biofuels (P)                                 | Affordable and Clean Energy (7)                       |
| 4.     | 19PPH3CC9      | Physics for Competitive Examination          | Affordable and clean energy (7)                       |
| 5.     | 19PCH4EC5B     | Biofuels                                     | Affordable and Clean Energy (7)                       |
| 6.     | 20UCH5SBE3AP   | Water Analysis (P)                           | Clean Water and<br>Sanitation (6)                     |
| 7.     | 19UGEVS        | Environment al Studies                       | Clean water and sanitation (6)<br>Climate Action (13) |
| 8.     | 22PEN2CC7      | American Literature                          | Climate action (13)                                   |
| 9.     | 22PFS2CC4      | Management In Food Service Operations        | Decent work & economic growth                         |
| 10.    | 19UND5CC6      | Dietary Food Service Management              | Decent work & economic growth (8)                     |
| 11.    | 19UND5MBE1A    | Food Standards and Quality Control           | Decent work & economic growth (8)                     |
| 12.    | 22PFS2CCC1B    | Food Quality Control and Regulations         | Decent work & economic growth (8)                     |
| 13.    | 19PFS4CC9      | Quantity Food production and Service         | Decent work & economic growth (8)                     |
| 14.    | 19PFS4CC10     | Food Service Management                      | Decent work & economic growth (8)                     |
| 15.    | 19UEN3AC3      | History of English Literature - I            | Decent work and economic growth (8)                   |
| 16.    | 19UEN4AC4      | History of English Literature - II           | Decent work and economic growth (8)                   |
| 17.    | 22USW1AC1      | Basics Of Economics and Political System     | Decent work and Economic Growth (8)                   |
| 18.    | 19USW6MBE3A    | Social work in Industry                      | Decent work and Economic Growth (8)                   |
| 19.    | 19UBA3CC5      | Organisational Psychology                    | Decent Work and Economic Growth (8)                   |
| 20.    | 19UBA6CC11     | Human Resource Management                    | Decent Work and Economic Growth (8)                   |
| 21.    | 22UCO1CC2      | Management Principles and Application        | Decent Work and Economic Growth (8)                   |
| 22.    | 19UCO5CC10     | Entrepreneurship & Small Business Management | Decent Work and Economic Growth (8)                   |



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| 23. | 19UCO6MBE2A | Human Resource Management              | Decent Work and Economic Growth (8) |
|-----|-------------|--|-------------------------------------|
| 24. | 19UCC6MBE2A | Human Resource Management              | Decent Work and Economic Growth (8) |
| 25. | 22UMA1CC1   | Differential Calculus and Trigonometry | Decent Work and Economic Growth (8) |
| 26. | 22UMA1AC1   | Mathematical Statistics – I            | Decent Work and Economic Growth (8) |
| 27. | 22UMA2AC1P  | Mathematical Statistics (P)            | Decent Work and Economic Growth (8) |
| 28. | 22UMA2AC2   | Mathematical Statistics – III          | Decent Work and Economic Growth (8) |
| 29. | 19UMB3AC3   | Biostatistics                          | Decent Work and Economic Growth (8) |
| 30. | 21UMA4CC6   | Sequences and Series                   | Decent Work and Economic Growth (8) |
| 31. | 21UMA4SBE1A | Introduction to R                      | Decent Work and Economic Growth (8) |
| 32. | 19UCH4SBE1A | Forensic Chemistry                     | Decent Work and Economic Growth (8) |
| 33. | 22UCS1CC1   | Programming in C                       | Decent Work and Economic Growth (8) |
| 34. | 22UCS1CC1P  | Programming in C (P)                   | Decent Work and Economic Growth (8) |
| 35. | 22UCS2CC2   | Programming in Java                    | Decent Work and Economic Growth (8) |
| 36. | 22UCS2CC2P  | Programming in Java (P)                | Decent Work and Economic Growth (8) |
| 37. | 22UCS2CC3P  | Data Visualization (P)                 | Decent Work and Economic Growth (8) |
| 38. | 19UCS3CC3   | Database Management Systems            | Decent Work and Economic Growth (8) |
| 39. | 19UCS3CC3P  | SQL & PL/SQL Lab                       | Decent Work and Economic Growth (8) |
| 40. | 19UCS3NME1P | Office Automation Lab                  | Decent Work and Economic Growth (8) |
| 41. | 19UCS4CC4   | Data Structures & Algorithms           | Decent Work and Economic Growth (8) |
| 42. | 19UCS4CC4P  | Data Structures Lab using C            | Decent Work and Economic Growth (8) |
| 43. | 16SCCCS5    | Data Structures and Algorithms         | Decent Work and Economic Growth (8) |
| 44. | 16SMBE      | Software Engineering                   | Decent Work and Economic Growth (8) |
| 45. | 16RSBE4:2   | Corel draw                             | Decent Work and Economic Growth (8) |
| 46. | 16RSBE4:3   | Dreamweaver                            | Decent Work and Economic Growth (8) |
| 47. | RUGSDC      | Soft Skills Development                | Decent Work and Economic Growth (8) |
| 48. | 16SCCCS8    | Operating Systems                      | Decent Work and Economic Growth (8) |
| 49. | 16SCCCS9    | Programming in PHP                     | Decent Work and Economic Growth (8) |
| 50. | 16SCCCS6P   | Programming in PHP Lab                 | Decent Work and Economic Growth (8) |



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| 51. | 16SMBECS2:1  | Computer Graphics                                     | Decent Work and Economic Growth (8) |
|-----|--------------|---|-------------------------------------|
| 52. | 16SMBECS1P/  | Dot Net Lab/Project                                   | Decent Work and Economic Growth (8) |
|     | 16SMBECSPW   |   |                                     |
| 53. | 21UCG1CC1    | Operating System (Theory & Practical's)               | Decent Work and Economic Growth (8) |
| 54. | 21UCG1CC1P   | Introduction to Worksheets                            | Decent Work and Economic Growth (8) |
| 55. | 21UCG1CC2    | IT Cognition and Problem Solving                      | Decent Work and Economic Growth (8) |
| 56. | 21UCG2CC3    | Computer Networks (Theory & Practical's)              | Decent Work and Economic Growth (8) |
| 57. | 21UCG3CC5    | Java Programming (Theory & Practical's)               | Decent Work and Economic Growth (8) |
| 58. | 21UCG4CC7    | Database Management Systems (Theory & Practical's)    | Decent Work and Economic Growth (8) |
| 59. | 21UCG4NME2P  | Multimedia Practical                                  | Decent Work and Economic Growth (8) |
| 60. | 21UCG4SBE1AP | HTML,CSS, JavaScript Practical                        | Decent Work and Economic Growth (8) |
| 61. | 21UCG4SBE1BP | Computer Hardware and Trouble Shooting Practical      | Decent Work and Economic Growth (8) |
| 62. | 21UCG5CC10   | Client Relationship Management (Theory & Practical's) | Decent Work and Economic Growth (8) |
| 63. | 21UCG5MBE1A  | Computer Organization & Architecture                  | Decent Work and Economic Growth (8) |
| 64. | 21UCG5MBE1B  | Process Management                                    | Decent Work and Economic Growth (8) |
| 65. | 21UCG5MBE1C  | Computer Graphics                                     | Decent Work and Economic Growth (8) |
| 66. | 21UCG5SBE2AP | Virtualization & Cloud Practical                      | Decent Work and Economic Growth (8) |
| 67. | 21UCG5SBE2BP | Dot Net Practical                                     | Decent Work and Economic Growth (8) |
| 68. | 21UCG6CC12   | Python Programming (Theory & Practical's)             | Decent Work and Economic Growth (8) |
| 69. | 21UCG6CC13   | Data structures & Algorithms                          | Decent Work and Economic Growth (8) |
| 70. | 21UCG6MBE2A  | Artificial Intelligence                               | Decent Work and Economic Growth (8) |
| 71. | 21UCG6MBE2B  | Mobile Computing                                      | Decent Work and Economic Growth (8) |
| 72. | 21UCG6MBE2C  | Data mining & Warehousing                             | Decent Work and Economic Growth (8) |
| 73. | 21UCG6MBE3A  | Network Security                                      | Decent Work and Economic Growth (8) |
| 74. | 21UCG6PW     | Project Work  | Decent Work and Economic Growth (8) |
| 75. | 22UCA3CC3P   | Database Management Systems (P)                       | Decent work and Economic Growth (8) |
| 76. | 22UCA3GEC1P  | Animation Tools – I (P)                               | Decent work and Economic Growth (8) |
| 77. | 22UCA4CC5    | Programming In Python                                 | Decent work and Economic Growth (8) |



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| 78.  | 22UCA4CC4P   | Programming In Python (P)               | Decent work and Economic Growth (8) |
|------|--------------|---|-------------------------------------|
| 79.  | 22UCA4SEC1P  | Documentation And Presentation Tools(P) | Decent work and Economic Growth (8) |
| 80.  | 22UCA5CC6    | Programming In Php                      | Decent work and Economic Growth (8) |
| 81.  | 22UCA5CC8    | Data Mining                             | Decent work and Economic Growth (8) |
| 82.  | 22UCA5DSE1BP | Data Mining (P)                         | Decent work and Economic Growth (8) |
| 83.  | 22UCA5DSE1CP | R Programming (P)                       | Decent work and Economic Growth (8) |
| 84.  | 22UCA5SEC2P  | Data Analytics Using Excel (P)          | Decent work and Economic Growth (8) |
| 85.  | 22UIT1CC1    | Programming in C                        | Decent work and Economic Growth (8) |
| 86.  | 22UIT1CC1P   | Programming in C (P)                    | Decent work and Economic Growth (8) |
| 87.  | 22UIT2CC2P   | Data Structures Using C++ Lab           | Decent work and Economic Growth (8) |
| 88.  | 19UIT3CC3    | Database Management Systems             | Decent work and Economic Growth (8) |
| 89.  | 19UIT3CC3P   | DBMS Lab                                | Decent work and Economic Growth (8) |
| 90.  | 19UIT3NME1   | Internet and its Usage                  | Decent work and Economic Growth (8) |
| 91.  | 19UIT4CC4    | Programming In Java                     | Decent work and Economic Growth (8) |
| 92.  | 19UIT4CC4P   | Programming In Java Lab                 | Decent work and Economic Growth (8) |
| 93.  | 19UIT4SBE1AP | Web Development Tool                    | Decent work and Economic Growth (8) |
| 94.  | 19UIT4NME2   | Information Security & Cyber Laws       | Decent work and Economic Growth (8) |
| 95.  | 19UIT5CC5    | Python Programming & Machine Learning   | Decent work and Economic Growth (8) |
| 96.  | 19UIT5CC7    | Digital Logic and Computer Design       | Decent work and Economic Growth (8) |
| 97.  | 19UIT5MBE1B  | Object Oriented Analysis and design     | Decent work and Economic Growth (8) |
| 98.  | 19UIT5MBE1C  | Software Project Management             | Decent work and Economic Growth (8) |
| 99.  | 19UIT5SBE2AP | Content Management System Tool          | Decent work and Economic Growth (8) |
| 100. | 19UIT5SBE2BP | Interactive Multimedia Software         | Decent work and Economic Growth (8) |
| 101. | 19UIT5SBE3AP | Web Designing Lab                       | Decent work and Economic Growth (8) |
| 102. | 19UIT5SBE3BP | Graphics Lab                            | Decent work and Economic Growth (8) |
| 103. | 19UIT6CC8    | Operating system                        | Decent work and Economic Growth (8) |
| 104. | 20UIT6CC9    | Mobile Application Development          | Decent work and Economic Growth (8) |
| 105. | 19UIT6MBE2A  | PHP and MYSQL Web Development           | Decent work and Economic Growth (8) |



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# **CRITERION I**

| 106. | 19UIT6MBE2B  | C# Programming  | Decent work and Economic Growth (8) |
|------|--------------|---|-------------------------------------|
| 107. | 19UIT6MBE2C  | Artificial Intelligence   | Decent work and Economic Growth (8) |
| 108. | 19UIT6MBE3AP | PHP and MYSQL Web Development Lab   | Decent work and Economic Growth (8) |
| 109. | 19UIT6MBE3BP | .Net with C#  | Decent work and Economic Growth (8) |
| 110. | 19UIT6MBE3CP | Mobile Application using Android  | Decent work and Economic Growth (8) |
| 111. | 19UMB4SBE1A  | Mushroom Technology   | Decent work and economic growth (8) |
| 112. | 19UMB5CC6    | Agricultural Microbiology   | Decent work and economic growth (8) |
| 113. | 19UMB5MBE1B  | Organic Farming   | Decent work and economic growth (8) |
| 114. | 19UMB5SBE2AP | Biofertilizer Technology Practical  | Decent work and economic growth (8) |
| 115. | 22PSW1DSE1A  | Human Resource Management   | Decent work and Economic Growth (8) |
| 116. | 20PSW3CC7C   | Human Resource Management   | Decent work and Economic Growth (8) |
| 117. | 20PSW3CC8C   | Labour Laws And Industrial Relations  | Decent work and Economic Growth (8) |
| 118. | 22PCO1DSE1C  | International Human Resource Management   | Decent Work and Economic Growth (8) |
| 119. | 19PCO4EC5A   | Entrepreneurship & New Venture Creation   | Decent Work and Economic Growth (8) |
| 120. | 22PMA1CC2    | Ordinary Differential Equations   | Decent Work And Economic Growth (8) |
| 121. | 22PMA1CC3    | Integral Equations, Calculus of Variations and Transforms                           | Decent Work And Economic Growth (8) |
| 122. | 22PMA1CC4    | Algebraic Number Theory   | Decent Work And Economic Growth (8) |
| 123. | 22PMA2CCC1A  | Partial Differential Equations  | Decent Work And Economic Growth (8) |
| 124. | 22PMA1DSE1A  | Advanced Numerical Analysis   | Decent Work And Economic Growth (8) |
| 125. | 22PMA2CCC1B  | Mathematical Programming  | Decent Work and Economic Growth (8) |
| 126. | 22PMA2DSE2AP | Computational Mathematics Using MATLAB (P)  | Decent Work and Economic Growth (8) |
| 127. | 22PMA2DSE2BP | Mathematical Modelling using MATLAB(P)  | Decent Work and Economic Growth (8) |
| 128. | 22PMA2DSE2CP | Ordinary Differential Equations and Partial Differential Equations Using MATLAB (P) | Decent Work and Economic Growth (8) |
| 129. | 22PMA3DSE3C  | Fuzzy Sets and their Applications   | Decent Work and Economic Growth (8) |
| 130. | 22PCH1DSE1BP | Nanoscience and Nanotechnology (P)  | Decent Work and Economic Growth (8) |
| 131. | 19PCH3EC3A   | Instrumentation Techniques  | Decent Work and Economic Growth (8) |
| 132. | 19PCH3EC3B   | Intellectual Property Rights  | Decent Work and Economic Growth (8) |



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| 133. | 22PCS1CC2   | Web Technologies                              | Decent Work and Economic Growth (8) |
|------|-------------|---|-------------------------------------|
| 134. | 22PCS1CC1P  | Web Technologies (P)                          | Decent Work and Economic Growth (8) |
| 135. | 22PCS1DSE1C | Software Testing                              | Decent Work and Economic Growth (8) |
| 136. | 22PCS2CC4   | Data Mining and Warehousing                   | Decent Work and Economic Growth (8) |
| 137. | 22PCS2CCC1A | Mobile Computing                              | Decent Work and Economic Growth (8) |
| 138. | 22PCS2CCC1B | Wireless Sensor Networks                      | Decent Work and Economic Growth (8) |
| 139. | 22PCS2CCC1C | MANET   | Decent Work and Economic Growth (8) |
| 140. | 22PCS2CC2P  | Data Mining (P)                               | Decent Work and Economic Growth (8) |
| 141. | 19PCS3CC7   | Computer Science for Competitive Examinations | Decent Work and Economic Growth (8) |
| 142. | 19PCS3CC3P  | Python and R Lab                              | Decent Work and Economic Growth (8) |
| 143. | 19PCS3EC3C  | Compiler Design                               | Decent Work and Economic Growth (8) |
| 144. | 19PCS4CC9   | Cloud Computing                               | Decent Work and Economic Growth (8) |
| 145. | 19PCS4CC10  | Digital Image Processing                      | Decent Work and Economic Growth (8) |
| 146. | 19PCS4EC5A  | Wireless Sensor Networks                      | Decent Work and Economic Growth (8) |
| 147. | 19PCS4EC5B  | MANET   | Decent Work and Economic Growth (8) |
| 148. | 19PCS4EC5C  | Mobile Computing                              | Decent Work and Economic Growth (8) |
| 149. | 22PMB1DSE1B | Organic Farming                               | Decent work and economic growth (8) |
| 150. | 22PMB2CCC1B | Environmental and Agricultural Microbiology   | Decent work and economic growth (8) |
| 151. | 22PMB2DSE2A | Biofertilizer Technology                      | Decent work and economic growth (8) |
| 152. | 22UEN1CC2   | Short Stories                                 | Gender equality (5)                 |
| 153. | 22UEN2CC4   | Fiction                                       | Gender equality (5)                 |
| 154. | 19UEN3CC5   | One Act Plays                                 | Gender equality (5)                 |
| 155. | 19UEN5CC9   | Shakespeare                                   | Gender equality (5)                 |
| 156. | 19UEN5CC12  | Women's Writing in English                    | Gender equality (5)                 |
| 157. | 19UEN6CC15  | Commonwealth Literature                       | Gender equality (5)                 |
| 158. | 22PEN1CC1   | British Literature – I (1340 - 1798)          | Gender equality (5)                 |
| 159. | 22PEN1CC4   | Black Women's Writing in English Literature   | Gender equality (5)                 |
| 160. | 22PEN2CC5   | British Literature – II                       | Gender equality (5)                 |



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|      |             | (1799-Present Age)                                 |                                  |
|------|-------------|--|----------------------------------|
| 161. | 22PEN2CCC1B | Commonwealth Literature                            | Gender equality (5)              |
| 162. | 22PEN2DSE2B | Post-Colonial Studies                              | Gender equality (5)              |
| 163. | 19PEN3CC9   | Asian Literature in English                        | Gender equality (5)              |
| 164. | 19PEN4EC5A  | North East Indian Literature                       | Gender equality (5)              |
| 165. | 19PEN4EC5B  | Post-Modern Fiction                                | Gender equality (5)              |
| 166. | 20PSW3CC7B  | Women Welfare and Health                           | Gender Equality (5)              |
| 167. | 19PTA4EC5A  | Penniyam   | Gender Equality (5)              |
| 168. | 22PEN1DSE1B | European Fiction in Translation                    | Gender equality(5)               |
| 169. | 22PEN1CC2   | Shakespeare  | Gender quality (5)               |
| 170. | 22UND1Ac1   | Food Microbiology                                  | Good Health & well being (3)     |
| 171. | 22UND2CC2   | Nutrition Through Life Span                        | Good Health & well being (3)     |
| 172. | 22UND2CC3   | Macro and Micro Nutrients                          | Good Health & well being (3)     |
| 173. | 22UND2AC3   | Human Physiology                                   | Good Health & well being (3)     |
| 174. | 19UND3CC3   | Principles of Nutrition                            | Good Health & well being (3)     |
| 175. | 19UND4CC4   | Nutrition through Life Cycle                       | Good Health & well being (3)     |
| 176. | 19UND5CC5   | Diet Therapy I                                     | Good Health & well being (3)     |
| 177. | 19UND6CC8   | Diet Therapy II                                    | Good Health & well being (3)     |
| 178. | 19UND6MBE2A | Community Nutrition                                | Good Health & well being (3)     |
| 179. | 19UND6MBE3B | Nutraceuticals and Functional Foods                | Good Health & well being (3)     |
| 180. | 22PFS1CC2   | Human Nutrition and Public Health                  | Good Health and Well – Being (3) |
| 181. | 22PFS1CC3   | Advanced Dietetics I                               | Good Health and Well – Being (3) |
| 182. | 22PFS1DSE1A | Applied Physiology                                 | Good Health and Well – Being (3) |
| 183. | 22PFS1DSE1B | Nutrition for Fitness                              | Good Health and Well – Being (3) |
| 184. | 22PFS1DSE1C | Nutrition in Clinical Critical Care                | Good Health and Well – Being (3) |
| 185. | 22PFS2CC5   | Advanced Dietetics II                              | Good Health and Well – Being (3) |
| 186. | 22PFS2CCC1A | Biochemistry and Metabolic Disorders               | Good Health and Well – Being (3) |
| 187. | 22PFS2DSE2A | Functional Foods, Nutraceuticals and Nutrigenomics | Good Health and Well – Being (3) |



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| 188. | 19PFS3EC3A  | Food Microbiology and Sanitation                            | Good Health and Well – Being (3) |
|------|-------------|---|----------------------------------|
| 189. | 19PFS3EC3B  | Nutrition in Clinical Critical Care                         | Good Health and Well – Being (3) |
| 190. | 19PMB3CC8   | Clinical Microbiology                                       | Good health and well-being (3)   |
| 191. | 19PMB3EC3B  | Food Adulteration   | Good health and well-being (3)   |
| 192. | 22PMB1CC2   | Biological Macromolecules                                   | Good health and well-being (3)   |
| 193. | 22PMB1CC3   | Clinical Virology   | Good health and well-being (3)   |
| 194. | 22PMB2CC2P  | Bacteriology, Mycology, Immunology and Immunotechnology (P) | Good health and well-being (3)   |
| 195. | 22PMB2DSE2B | Public Health Microbiology                                  | Good health and well-being (3)   |
| 196. | 19PMB3EC3C  | Biomedical Laboratory Technology                            | Good health and well-being (3)   |
| 197. | 19USW4CC6   | Social Welfare Administration                               | Good Health and<br>Wellbeing (3) |
| 198. | 19USW4AC4   | Health Care Services  | Good Health and Wellbeing (3)    |
| 199. | 20PSW3CC8A  | Medical Social Work   | Good Health and Wellbeing (3)    |
| 200. | 20PSW3CC8B  | Child Rights and Child Protection                           | Good Health and<br>Wellbeing (3) |
| 201. | 20PSW3EC4B  | Life Skills and Soft Skills for Social Workers              | Good Health and Wellbeing (3)    |
| 202. | 20PSW4CC9A  | Psychiatric Social Work                                     | Good Health and<br>Wellbeing (3) |
| 203. | 20PSW4CC9B  | Welfare of the Youth and Aged                               | Good Health and<br>Wellbeing (3) |
| 204. | 22PMB2CC4   | Bacteriology and Mycology                                   | Good health and well-being (3)   |



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# **CRITERION I**

| 205. | 19UPH4SBE1A  | Biomedical Instrumentation                      | Good Health and Well – Being (3) |
|------|--------------|---|----------------------------------|
| 206. | 22UCH1AC1B   | Biochemistry -I                                 | Good Health and Well – Being (3) |
| 207. | 22UCH2AC3B   | Biochemistry - II                               | Good Health and Well – Being (3) |
| 208. | 19UCH4NME2   | Food Adulterants and Health Care                | Good Health and Well – Being (3) |
| 209. | 19UCH4SBE1B  | Food Chemistry                                  | Good Health and Well – Being (3) |
| 210. | 19UCH6MBE3B  | Pharmaceutical Chemistry                        | Good Health and Well – Being (3) |
| 211. | 19PCH3EC2A   | Pharmaceutical Chemistry                        | Good Health and Well – Being (3) |
| 212. | 16SMBEBT3    | Immunotechnology                                | Good Health and well being (3)   |
| 213. | 16SCCBT4     | Immunology                                      | Good Health and well- being (3)  |
| 214. | 19UPH6MBE2B  | Medical Physics                                 | Good Health and Well-being (3)   |
| 215. | 22UMB1AC1    | Fundamentals of Biochemistry                    | Good health and well-being (3)   |
| 216. | 22UMB1AC2P   | Fundamentals of Biochemistry (P)                | Good health and well-being (3)   |
| 217. | 19UMB3CC3    | Introductory Virology                           | Good health and well-being (3)   |
| 218. | 19UMB3CC2P   | Introductory Virology and Immunology Practicals | Good health and well-being (3)   |
| 219. | 19UMB3NME1   | Herbal Medicine                                 | Good health and well-being (3)   |
| 220. | 19UMB4CC4    | Immunology                                      | Good health and well-being (3)   |
| 221. | 19UMB4NME2   | Pharmacognosy                                   | Good health and well-being (3)   |
| 222. | 19UMB4SBE1B  | Clinical Parasitology                           | Good health and well-being (3)   |
| 223. | 19UMB5CC5    | Medical Microbiology                            | Good health and well-being (3)   |
| 224. | 19UMB5SBE3AP | Medical Laboratory Technology Practical         | Good health and well-being (3)   |
| 225. | 19UMB6MBE2B  | Food Adulteration                               | Good health and well-being (3)   |
| 226. | 16SCCBT3     | rDNA Technology                                 | Good Health and well-being (3)   |
| 227. | 19PPH2EC2B   | Biomechanics and Bio Physics                    | Good Health and well-being (3)   |
| 228. | 19USW4SBE1A  | Stress Management                               | Good Health and Wellbeing (3)    |
| 229. | 19USW4SBE1B  | Life Skills                                     | Good Health and Wellbeing (3)    |
| 230. | 19USW5CC7    | Family and Child Welfare                        | Good Health and Wellbeing (3)    |
| 231. | 19USW5CC9    | Introduction To Counselling & Guidance          | Good Health and Wellbeing (3)    |
| 232. | 19USW5SBE2A  | Psychological First Aid                         | Good Health and Wellbeing (3)    |



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# **CRITERION I**

| 233. | 19USW6MBE2A  | Gerontological Social Work                                       | Good Health and Wellbeing (3)              |
|------|--------------|--|--|
| 234. | 19USW6MBE2B  | Youth Welfare  | Good Health and Wellbeing (3)              |
| 235. | 22PSW2CCC1A  | Counselling: Theory and Practice                                 | Good Health and Wellbeing (3)              |
| 236. | 22PSW2DSE2A  | Family Social Work   | Good Health and Wellbeing (3)              |
| 237. | 22PSW2DSE2C  | Health and Hygiene   | Good Health and Wellbeing (3)              |
| 238. | 20PSW3CC7A   | Public Health  | Good Health and Wellbeing (3)              |
| 239. | 22UBA2CC3    | Elements of Marketing  | Industry Innovation and Infrastructure (9) |
| 240. | 22UBA2AC2    | Business Environment   | Industry Innovation and Infrastructure (9) |
| 241. | 19UBA3CC1P   | Computer Applications Package for Managers – Ms Office Practical | Industry Innovation and Infrastructure (9) |
| 242. | 19UBA4CC2P   | Computer Applications Package for Managers – Tally Practical     | Industry Innovation and Infrastructure (9) |
| 243. | 19UBA4SBE1A  | E - Business   | Industry Innovation and Infrastructure (9) |
| 244. | 19UBA5CC7    | Entrepreneurial Development                                      | Industry Innovation and Infrastructure (9) |
| 245. | 19UBA5CC10   | Digital Marketing  | Industry Innovation and Infrastructure (9) |
| 246. | 19UBA5MBE1A  | Consumer Behaviour   | Industry Innovation and Infrastructure (9) |
| 247. | 19UBA5SBE2AP | Banking Practicum study  | Industry Innovation and Infrastructure (9) |
| 248. | 19UBA5SBE2BP | New Product Development  | Industry Innovation and Infrastructure (9) |
| 249. | 19UBA5SBE3AP | Statistical Package For Managers (SPSS)                          | Industry Innovation and Infrastructure (9) |
| 250. | 19UBA5SBE3BP | Event Management Practical                                       | Industry Innovation and Infrastructure (9) |
| 251. | 19UBA6MBE2A  | Business Analytics   | Industry Innovation and Infrastructure (9) |
| 252. | 19UBA6MBE3B  | Business Ethics  | Industry Innovation and Infrastructure (9) |
| 253. | 22UCO2AC2    | Banking Theory Law and Practice                                  | Industry Innovation and Infrastructure (9) |
| 254. | 19UCO3CC6    | Banking Theory Law & Practices                                   | Industry Innovation and Infrastructure (9) |
| 255. | 19UCO3NME1   | Elements of Insurance  | Industry Innovation and Infrastructure (9) |
| 256. | 21UCO4CC1P   | Accounting Package – Practical                                   | Industry Innovation and Infrastructure (9) |
| 257. | 21UCO4SBE1AP | Introduction to MS-Word (Practical)                              | Industry Innovation and Infrastructure (9) |
| 258. | 21UCO4SBE1BP | Creative Advertising (Practical)                                 | Industry Innovation and Infrastructure (9) |
| 259. | 19UCO5MBE1B  | E- Retailing   | Industry Innovation and Infrastructure (9) |



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| 260. | 21UCO5SBE2AP | Introduction to MS-Excel and PowerPoint (Practical)  | Industry Innovation and Infrastructure (9) |
|------|--------------|--|--|
| 261. | 21UCO5SBE2BP | Digital Designs for Business Application (Practical) | Industry Innovation and Infrastructure (9) |
| 262. | 21UCO5SBE3AP | Commerce – Practical                                 | Industry Innovation and Infrastructure (9) |
| 263. | 19UCO6MBE2B  | E-Commerce   | Industry Innovation and Infrastructure (9) |
| 264. | 22UCC1CC2    | Modern Management Concepts                           | Industry Innovation and Infrastructure (9) |
| 265. | 22UCC1AC1    | Fundamentals of Computer and Internet                | Industry Innovation and Infrastructure (9) |
| 266. | 22UCC2CC3    | Modern Marketing                                     | Industry Innovation and Infrastructure (9) |
| 267. | 19UCC3NME1   | Elements of Insurance                                | Industry Innovation and Infrastructure (9) |
| 268. | 21UCC4SBE1AP | Accounting Fundamentals with Tally (Practical)       | Industry Innovation and Infrastructure (9) |
| 269. | 21UCC4SBE1BP | Creative Advertising (Practical)                     | Industry Innovation and Infrastructure (9) |
| 270. | 19UCC5CC10   | Entrepreneurial Development                          | Industry Innovation and Infrastructure (9) |
| 271. | 19UCC5MBE1B  | E-Retailing  | Industry Innovation and Infrastructure (9) |
| 272. | 21UCC5SBE2AP | Tally ERP (Practical)                                | Industry Innovation and Infrastructure (9) |
| 273. | 19UCC5SBE2B  | Digital Designs for Business Application (Practical) | Industry Innovation and Infrastructure (9) |
| 274. | 21UCC5SBE3AP | Commerce - Practical                                 | Industry Innovation and Infrastructure (9) |
| 275. | 19UCC6MBE2B  | Modern Banking                                       | Industry Innovation and Infrastructure (9) |
| 276. | 22UCA4GEC2P  | Animation Tools- Ii (P)                              | Industry Innovation and Infrastructure (9) |
| 277. | 22UCA5CC5P   | Php With Mysql (P)                                   | Industry Innovation and Infrastructure (9) |
| 278. | 22UCA5CC7    | Software Engineering                                 | Industry Innovation and Infrastructure (9) |
| 279. | 22UCA5DSE1A  | Matlab (P)   | Industry Innovation and Infrastructure (9) |
| 280. | 22UIT2CC2    | Data Structures and C++                              | Industry Innovation and Infrastructure (9) |
| 281. | 22UIT2CC3    | Digital Fundamentals                                 | Industry Innovation and Infrastructure (9) |
| 282. | 19UIT4SBE1BP | Animation Tool                                       | Industry Innovation and Infrastructure (9) |
| 283. | 19UIT5CC5P   | Programming in Python Lab                            | Industry Innovation and Infrastructure (9) |
| 284. | 19UIT5CC6    | Computer Networks                                    | Industry Innovation and Infrastructure (9) |
| 285. | 20UIT5MBE1A  | Software Engineering                                 | Industry Innovation and Infrastructure (9) |
| 286. | 22PCO1CC2    | Economic and Environment Law                         | Industry Innovation and Infrastructure (9) |
| 287. | 22PCO1CC3    | Strategic Management                                 | Industry Innovation and Infrastructure (9) |



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| 288. | 22PCO1DSE1A  | Business Ethics, Corporate Social Responsibility and Governance | Industry Innovation and Infrastructure (9)  |
|------|--------------|---|---|
| 289. | 22PCO1DSE1B  | Services Marketing  | Industry Innovation and Infrastructure (9)  |
| 290. | 22PCO2CC7    | Digital Marketing   | Industry Innovation and Infrastructure (9)  |
| 291. | 22PCO2CCC1A  | Security Analysis and Portfolio Management                      | Industry Innovation and Infrastructure (9)  |
| 292. | 22PCO2CCC1B  | Insurance and Risk Management                                   | Industry Innovation and Infrastructure (9)  |
| 293. | 22PCO2CCC1C  | Brand Management  | Industry Innovation and Infrastructure (9)  |
| 294. | 22PCO2DSE2A  | Logistics and Supply Chain Management                           | Industry Innovation and Infrastructure (9)  |
| 295. | 22PCO2DSE2B  | Retail Management   | Industry Innovation and Infrastructure (9)  |
| 296. | 22PCO2DSE2C  | Business Information System                                     | Industry Innovation and Infrastructure (9)  |
| 297. | 19PCO3CC10   | Business Research Methods – I                                   | Industry Innovation and Infrastructure (9)  |
| 298. | 19PCO3EC3A   | Digital Marketing   | Industry Innovation and Infrastructure (9)  |
| 299. | 19PCO4CC2P   | Business Research Methods – II (Practicals)                     | Industry Innovation and Infrastructure (9)  |
| 300. | 19PCO4EC5B   | Project Management  | Industry Innovation and Infrastructure (9)  |
| 301. | 19UPH2CC2    | Mechanics and Relativity  | Industry, Innovation and Infrastructure (9) |
| 302. | 19UPH4SBE1B  | Photography and Videography                                     | Industry, Innovation and Infrastructure (9) |
| 303. | 19UPH5CC7    | Analog Electronics  | Industry, Innovation and Infrastructure (9) |
| 304. | 19UPH5MBE1B  | Laser Physics   | Industry, Innovation and Infrastructure (9) |
| 305. | 19UPH5SBE2A  | Physics Concepts Through Simulation                             | Industry, Innovation and Infrastructure (9) |
| 306. | 19UPH5SBE3A  | Web Designing   | Industry, Innovation and Infrastructure (9) |
| 307. | 22UCH1CC1P   | General Chemistry (P)   | Industry, Innovation and Infrastructure (9) |
| 308. | 22UCH2CC2P   | Preparation and Analysis of Industrial Compounds (P)            | Industry, Innovation and Infrastructure (9) |
| 309. | 20UCH5MBE1A  | Nuclear and Industrial Chemistry                                | Industry, Innovation and Infrastructure (9) |
| 310. | 20UCH5MBE1B  | Basics of Nanoscience and Nanotechnology                        | Industry, Innovation and Infrastructure (9) |
| 311. | 19UCH5SBE2BP | Dye Chemistry (P)   | Industry, Innovation and Infrastructure (9) |
| 312. | 19UCH6MBE3A  | Polymer Chemistry   | Industry, Innovation and Infrastructure (9) |
| 313. | 19UCS4NME2P  | Multimedia Lab  | Industry, Innovation and Infrastructure (9) |
| 314. | 19UCS4SBE1BP | Computer Hardware and Trouble Shooting Lab                      | Industry, Innovation and Infrastructure (9) |
| 315. | 16SCCCS6     | Computer Networks   | Industry, Innovation and Infrastructure (9) |



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| 316. | 21UCG5CC9    | Introduction to Digital Technologies (Theory & Practical's) | Industry, Innovation and Infrastructure (9)  |
|------|--------------|---|--|
| 317. | 21UCG5CC11   | Virtualization & Cloud                                      | Industry, Innovation and Infrastructure (9)  |
| 318. | 19UMB6CC8    | Industrial Microbiology                                     | Industry, innovation and infrastructure (9)  |
| 319. | 19UMB6CC9    | Food Microbiology   | Industry, innovation and infrastructure (9)  |
| 320. | 19UMB6CC4P   | Industrial and Food Microbiology - Practicals               | Industry, innovation and infrastructure (9)  |
| 321. | 19UND5MBE1B  | Techniques of Food Evaluation                               | Industry, innovation and infrastructure (9)  |
| 322. | 19UND6MBE3A  | Food Processing   | Industry, innovation and infrastructure (9)  |
| 323. | 19РРНЗЕСЗВ   | Material Characterization and Measurement Techniques        | Industry, Innovation and Infrastructure (9)  |
| 324. | 19PPH4EC4B   | Space Physics   | Industry, Innovation and Infrastructure (9)  |
| 325. | 19PPH4EC5A   | Nanophysics   | Industry, Innovation and Infrastructure (9)  |
| 326. | 19PCH4EC4A   | Industrial Chemistry  | Industry, Innovation and Infrastructure (9)  |
| 327. | 19PMB3CC7    | Industrial Microbiology                                     | Industry, innovation and infrastructure (9)  |
| 328. | 22PFS2DSE2C  | Food Packaging  | Industry, innovation and infrastructure (9)  |
| 329. | 19PFS3EC4A   | Food Product Development                                    | Industry, innovation and infrastructure (9)  |
| 330. | 19PFS3EC4B   | Basic Food Analytical Techniques                            | Industry, innovation and infrastructure (9)  |
| 331. | 19UCS4SBE1AP | PC Packages & Multimedia Lab                                | Industry, Innovation, and Infrastructure (9) |
| 332. | 21UCG2CC4    | Information Technology Infrastructure Library -ITIL         | Industry, Innovation, and Infrastructure (9) |
| 333. | 21UCG3CC6    | Infrastructure Management                                   | Industry, Innovation, and Infrastructure (9) |
| 334. | 21UCG5CC8    | Software Testing (Theory & Practical's)                     | Industry, Innovation, and Infrastructure (9) |
| 335. | 21UCG6MBE3B  | Human Computer Interaction                                  | Industry, Innovation, and Infrastructure (9) |
| 336. | 21UCG6MBE3C  | Big Data & IoT  | Industry, Innovation, and Infrastructure (9) |
| 337. | 21UCG6SBE3AP | Mobile Application Development Practical                    | Industry, Innovation, and Infrastructure (9) |



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| 338. | 21UCG6SBE3BP | MONGODB Practical                     | Industry, Innovation, and Infrastructure         |
|------|--------------|---------------------------------------|--|
| 339. | 19PPH1CC2    | Classical Dynamics and Relativity     | (9) Industry, Innovation, and Infrastructure     |
| 340. | 19PPH1CC4    | Quantum Mechanics-I                   | (9) Industry, Innovation, and Infrastructure     |
| 341. | 19PPH2CC5    | Electromagnetic Theory                | (9) Industry, Innovation, and Infrastructure     |
| 342. | 19PPH2CC6    | Quantum Mechanics – II                | (9) Industry, Innovation, and Infrastructure (9) |
| 343. | 19PPH2EC2A   | Numerical Methods and C++ Programming | Industry, Innovation, and Infrastructure (9)     |
| 344. | 19РРНЗСС8    | Solid State Physics                   | Industry, Innovation, and Infrastructure (9)     |
| 345. | 19PPH4CC10   | Nuclear and Particle Physics          | Industry, Innovation, and Infrastructure (9)     |
| 346. | 22PCS1CC3    | Machine Learning Techniques           | Industry, Innovation, and Infrastructure (9)     |
| 347. | 22PCS2DSE2A  | Cryptography and Network Security     | Industry, Innovation, and Infrastructure (9)     |
| 348. | 22PCS2DSE2B  | Blockchain and Cryptocurrencies       | Industry, Innovation, and Infrastructure (9)     |
| 349. | 22PCS2DSE2C  | Ethical Hacking                       | Industry, Innovation, and Infrastructure (9)     |
| 350. | 19PCS3CC8    | Big Data Analytics                    | Industry, Innovation, and Infrastructure (9)     |
| 351. | 19PCS3EC3A   | Blockchain                            | Industry, Innovation, and Infrastructure (9)     |
| 352. | 19PCS4CC4P   | FOSS Lab                              | Industry, Innovation, and Infrastructure (9)     |
| 353. | 19UPH5MBE1A  | Material Science                      | Industry, Innovation, and Infrastructure(9)      |
| 354. | 22PMB2DSE2C  | Marine Microbiology                   | Life Below Water (14)                            |



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| 355. | 19UEN6CC14  | Indian Writing in English                 | Life on land (15)                       |
|------|-------------|---|---|
| 356. | 19UPH3CC3   | Thermal Physics and Statistical Mechanics | Life on land (15)                       |
| 357. | 22UMB1CC1   | General Microbiology                      | Life on land (15)                       |
| 358. | 22UMB2CC3   | Microbial Diversity                       | Life on land (15)                       |
| 359. | 19UMB5MBE1A | Fundamentals of Botany and Zoology        | Life on land (15)                       |
| 360. | 16SACBT1    | Biomolecules                              | Life on Land (15)                       |
| 361. | 16SCCBT6    | Animal Biotechnology                      | Life on Land (15)                       |
| 362. | 22UTA2AC2   | Thamizhar Nunkalaigal                     | Life on Land (15)                       |
| 363. | 19UTA3CC6   | Samaya Ilakkiyam                          | Life on Land (15)                       |
| 364. | 19UTA4CC8   | Kappiyangal                               | Life on Land (15)                       |
| 365. | 19UTA5CC12  | Nattupuraviyal                            | Life on Land (15)                       |
| 366. | 19UTA6CC14  | Sanga Ilakkiyam-1                         | Life on Land (15)                       |
| 367. | 19UTA6CC15  | Sanga Ilakkiyam-1i                        | Life on Land (15)                       |
| 368. | 22PEN1CC3   | Indian English Literature                 | Life on land (15)                       |
| 369. | 22PSW2DSE2B | Disaster Management                       | Life on Land (15)                       |
| 370. | 20PSW4EC4A  | Disaster Management                       | Life on Land (15)                       |
| 371. | 22PMB1CC1   | Essentials of Microbiology                | Life on land (15)                       |
| 372. | 22PTA1CC3   | Samaya Ilakkiyamum Siddhar Ilakkiyamum    | Life on Land (15)                       |
| 373. | 22PTA1DSE1C | Thamizhil Siru Pathirikaigal              | Life on Land (15)                       |
| 374. | 22PTA2CC7   | Kaappiyangal                              | Life on Land (15)                       |
| 375. | 19PTA3CC10  | Sanga Ilakkiyam                           | Life on Land (15)                       |
| 376. | 19PTA4EC4B  | Panbaattu Manidaviyal                     | Life on Land (15)                       |
| 377. | 19UBT1AC1   | General Microbiology                      | Life on Land (15)                       |
|      |             |   | Life below Water (14)                   |
| 378. | 19UBT2CC2   | Molecular Biology                         | Life on Land (15)                       |
| 379. | 19UBT1CC1   | Cell Biology                              | Life below Water (14) Life on Land (15) |
|      |             |   | Life below Water (14)                   |



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## **CRITERION I**

| 380. | 22USW1CC2     | Structure of Indian                                  | No Poverty (1)                              |
|------|---------------|--|---|
|      |               | Society and Indian Social Problems                   |   |
| 381. | 16SCCBT5      | Plant Biotechnology                                  | No Poverty (1)                              |
| 382. | 16SCCBT5P     | Plant and Animal                                     | No Poverty (1)                              |
| 202  | 4 (0) (0) (0) | Biotechnology (P)                                    |   |
| 383. | 16SMBEBT2     | Food Technology                                      | No Poverty (1)                              |
| 384. | 19UPH4NME2    | Audio and Video System                               | Partnership for the                         |
| 205  | 10HDH5CDE2D   | Call Dhana Camaidina                                 | Goals (17)                                  |
| 385. | 19UPH5SBE2B   | Cell Phone Servicing                                 | Partnership for the Goals (17)              |
| 386. | 22UE1         | Functional English for Effective Communication - I   | Partnership for the goals (17)              |
| 387. | 22UE2         | Functional English for Effective Communication - II  | Partnership for the goals (17)              |
|      |               |  | 1 0 , ,                                     |
| 388. | 22UEN2AC2     | Literary Forms                                       | Partnership for the goals (17)              |
| 389. | 19UE3         | Reading and Writing for Effective Communication - I  | Partnership for the goals (17)              |
| 390. | 19UE4         | Reading and Writing for Effective Communication - II | Partnership for the goals (17)              |
| 391. | 19UEN4CC8     | Introduction to Language and Linguistics             | Partnership for the goals (17)              |
| 392. | 19UPH5SBE3B   | Electrical Wiring                                    | Partnership for the Goals (17)              |
| 393. | 22PEN1DSE1A   | Rhetoric & Stylistics                                | Partnership for the goals (17)              |
| 394. | 19UEN3NME1    | Presentation Skills in English                       | Partnership for the goals(17)               |
| 395. | 19UPH5CC6     | Atomic and Molecular Physics                         | Partnerships for the Goals (17)             |
| 396. | 22PSW1DSE1C   | NGO Management                                       | Partnerships for the Goals (17)             |
| 397. | 20PSW3EC4A    | Corporate Social Responsibility                      | Partnerships for the Goals (17)             |
| 398. | 19PPH1CC1     | Mathematical Physics                                 | Partnerships for the Goals (17)             |
| 399. | 19PPH2EC1B    | Non-destructive evaluation Techniques                | Partnerships for the Goals (17)             |
| 400. | 19PPH3CC3A    | Crystal Growth and Thin Film Physics                 | Partnerships for the Goals (17)             |
| 401. | 16SCCBT9      | IPR and Bioethics                                    | Peace and Justice strong Institutions (16)  |
| 402. | 22UEN2CC3     | Poetry - I   | Peace, justice and strong institutions (11) |
| 403. | 22UEN1CC1     | Prose  | Peace, justice and strong institutions (16) |
| 404. | 19UEN3CC6     | Poetry II  | Peace, justice and strong institutions (16) |



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## **CRITERION I**

| 405. | 19UEN4CC7   | Drama   | Peace, justice and strong institutions (16) |
|------|-------------|---|---|
| 406. | 19UEN5CC11  | American Literature                                   | Peace, justice and strong institutions (16) |
| 407. | 19UEN5MBE1A | Mastering English Literature                          | Peace, justice and strong institutions (16) |
| 408. | 19UEN6MBE2A | Journalism  | Peace, justice and strong institutions (16) |
| 409. | 19USW6CC12  | Correctional Social work                              | Peace, justice and Strong Institutions (16) |
| 410. | 22UTA1CC2   | Ikkala Ilakkiyam-I                                    | Peace, Justice and Strong Institutions (16) |
| 411. | 22UTA2CC4   | Ikkala Ilakkiyam -Ii                                  | Peace, Justice and Strong Institutions (16) |
| 412. | 19UTA4NME2  | Thamizharin Vazhibadugalum Vizhakkalum                | Peace, Justice and Strong Institutions (16) |
| 413. | 19UTA5CC10  | Ara Ilakkiyam   | Peace, Justice and Strong Institutions (16) |
| 414. | 19PEN4CC14  | New Literature  | Peace, justice and strong institutions (16) |
| 415. | 19PEN4EC4A  | Award Winning Authors (Nobel<br>Laureate 1913 - 2020) | Peace, justice and strong institutions (16) |
| 416. | 19PEN4EC4B  | Single Author Study – John Milton                     | Peace, justice and strong institutions (16) |
| 417. | 22PTA1CC2   | Puthu Kavidhaiyum Naadagamum                          | Peace, Justice and Strong Institutions (16) |
| 418. | 22PTA1DSE1A | Nattar Vazhakatrial                                   | Peace, Justice and Strong Institutions (16) |
| 419. | 22PTA2CC6   | Punaikadhaiyum Urai Nadaiyum                          | Peace, Justice and Strong Institutions (16) |
| 420. | 19PTA3CC11  | Ara Ilakkiyam   | Peace, Justice and Strong Institutions (16) |
| 421. | 19UEN4NME2  | Communication Skills in English                       | Quality education (4)                       |
| 422. | 19UEN4SBE1A | Writing for Media                                     | Quality education (4)                       |
| 423. | 19UEN4SBE1B | Business English                                      | Quality education (4)                       |
| 424. | 19UEN5CC10  | Principles of Literary Criticism                      | Quality education (4)                       |
| 425. | 19UEN5MBE1B | Translation Theory and Practice                       | Quality education (4)                       |
| 426. | 19UEN5SBE2A | Academic Writing                                      | Quality education (4)                       |
| 427. | 19UEN5SBE2B | Functional English                                    | Quality education (4)                       |
| 428. | 19UEN5SBE3A | Public Speaking                                       | Quality education (4)                       |
| 429. | 19UEN5SBE3B | Art of Speaking                                       | Quality education (4)                       |
| 430. | 19UGPS      | Professional Skills                                   | Quality education (4)                       |
| 431. | 19UEN6CC13  | English Language Teaching                             | Quality education (4)                       |



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## **CRITERION I**

| 432. | 19UEN6MBE2B  | Mass Communication                                  | Quality education (4) |
|------|--------------|---|-----------------------|
| 433. | 19UEN6MBE3A  | Developing Language Skills                          | Quality education (4) |
| 434. | 19UEN6MBE3B  | Phonetics   | Quality education (4) |
| 435. | 19UPH6CC8    | Digital Electronics and Microprocessor Fundamentals | Quality Education (4) |
| 436. | 19UPH6CC9    | Classical and Quantum Physics                       | Quality Education (4) |
| 437. | 22UCH1AC2BP  | Biochemistry (P)                                    | Quality Education (4) |
| 438. | 20UCH6PW     | Project Work  | Quality Education (4) |
| 439. | 22UMB1CC1P   | General Microbiology (P)                            | Quality Education (4) |
| 440. | 22UMB2CC2    | Microbial Physiology                                | Quality Education (4) |
| 441. | 22UMB2CC2P   | Microbial Physiology (P)                            | Quality Education (4) |
| 442. | 22UMB2AC3    | Applied Biochemistry                                | Quality Education (4) |
| 443. | 19UMB3AC3    | Biostatistics                                       | Quality Education (4) |
| 444. | 19UMB3AC2P   | Biostatistics and Bioinformatics Practicals         | Quality Education (4) |
| 445. | 19UMB4AC4    | Computer Application in Biology                     | Quality Education (4) |
| 446. | 19UMB5CC7    | Molecular Biology                                   | Quality education (4) |
| 447. | 19UMB5SBE2BP | Solid Waste Management Practical                    | Quality education (4) |
| 448. | 19UMB5SBE3BP | Vermitechnology Practical                           | Quality education (4) |
| 449. | 19UMB6MBE2A  | Microbial Biotechnology                             | Quality education (4) |
| 450. | 19UMB6MBE3A  | Recombinant DNA Technology                          | Quality education (4) |
| 451. | 19UMB6MBE3B  | Biological Techniques                               | Quality education (4) |
| 452. | 19UBT2AC2    | Bioinstrumentation                                  | Quality Education (4) |
| 453. | 16SCCBT7     | Biostatistics and Biosafety                         | Quality education (4) |
| 454. | 22UTA1AC1    | Thamizh Ilakkiya Varalaaru                          | Quality Education (4) |
| 455. | 19UTA3AC3    | Idhazhiyal  | Quality Education (4) |
| 456. | 19UTA6MBE3A  | Sutrulaviyal  | Quality Education (4) |
| 457. | 22PEN1DSE1C  | Technical English                                   | Quality education (4) |
| 458. | 22PEN2CC6    | Translation Theory & Practice                       | Quality education (4) |
| 459. | 22PEN2CCC1A  | Literary Theory and Criticism                       | Quality education (4) |



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| 460. | 22PEN2CCC1C | Skill Enhancement  | Quality education (4)     |
|------|-------------|--|---------------------------|
| 461. | 22PEN2DSE2A | English Language Teaching  | Quality education (4)     |
| 462. | 22PEN2DSE2C | Branches of Linguistics  | Quality education (4)     |
| 463. | 19PEN3CC10  | Research Methodology   | Quality education (4)     |
| 464. | 19PEN3CC11  | English Literature for UGC Examinations                                    | Quality education (4)     |
| 465. | 19PEN3CC12  | Literary Criticism - II  | Quality education (4)     |
| 466. | 19PEN3EC3A  | Academic Writing   | Quality education (4)     |
| 467. | 19PEN3EC3B  | English for Career Advancement   | Quality education (4)     |
| 468. | 22PCH2DSE2B | Forensic Chemistry   | Quality Education (4)     |
| 469. | 22PCH2INT   | Internship   | Quality Education (4)     |
| 470. | 19PCH4EC5A  | Chemistry of Nanoscience   | Quality Education (4)     |
| 471. | 19PCH4PW    | Project Work   | Quality Education (4)     |
| 472. | 22PMB1DSE1A | Biological Techniques  | Quality education (4)     |
| 473. | 22PMB1DSE1C | Microbial Cytology   | Quality education (4)     |
| 474. | 22PMB2CC5   | Immunology and Immunotechnology  | Quality education (4)     |
| 475. | 22PMB2CCC1A | Microbial Metabolism   | Quality education (4)     |
| 476. | 20PMB3EC3A  | Microbiology for Competitive Examination                                   | Quality education (4)     |
| 477. | 19PMB3EC4B  | Microbes in Solid Waste Management   | Quality education (4)     |
| 478. | 19PMB3EC4C  | Microbial Nanotechnology   | Quality education (4)     |
| 479. | 19PMB4CC9   | Microbial Biotechnology  | Quality education (4)     |
| 480. | 19PMB4CC10  | Molecular Biology & Microbial Genetics                                     | Quality education (4)     |
| 481. | 19PMB4EC5A  | Bioinformatics & Biostatistics   | Quality education (4)     |
| 482. | 19PMB4EC5C  | Molecular taxonomy and phylogeny   | Quality education (4)     |
| 483. | 19PMB4CC4P  | Microbial Biotechnology, Molecular Biology & Microbial Genetics Practicals | Quality education (4)     |
| 484. | 22PTA2DSE2A | Araaichi Nerimuraigal  | Quality Education (4)     |
| 485. | 19PMB3EC4A  | Recombinant DNA Technology   | Quality education(4)      |
| 486. | 22USW1CC1   | Introduction to Social Work  | Reduced Inequalities (10) |



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## **CRITERION I**

| 487. | 19USW3AC3    | Social Legislations  | Reduced Inequalities (10)                   |
|------|--------------|--|---|
| 488. | 19USW3NME1   | Human Rights   | Reduced Inequalities (10)                   |
| 489. | 19USW4NME2   | Women Rights and Laws  | Reduced Inequalities (10)                   |
| 490. | 19USW5MBE1B  | Welfare of Vulnerable  | Reduced Inequalities (10)                   |
| 491. | 19USW6CC11   | Welfare of Persons with Disabilities                         | Reduced Inequalities (10)                   |
| 492. | 22PSW1CC1    | Philosophy of Social Work and Society                        | Reduced Inequalities (10)                   |
| 493. | 22PSW2CC5    | Social Welfare Administration and Social Policy              | Reduced Inequalities (10)                   |
| 494. | 22PSW2CCC1C  | Youth and Marginalized Sections                              | Reduced Inequalities (10)                   |
| 495. | 20PSW3CC6    | Structure and Functions of Social Work for Competitive Exams | Reduced Inequalities (10)                   |
| 496. | 20PSW4EC4B   | Social Inclusion of the Marginalized                         | Reduced Inequalities (10)                   |
| 497. | 19PEN4CC13   | Indian Diasporic Literature                                  | Reduced inequality (10)                     |
| 498. | 22UND1CC1    | Food Science   | Responsible consumption & production (12)   |
| 499. | 22UBA1AC1    | Managerial Economics   | Responsible Consumption and Production (12) |
| 500. | 19UBA4NME2   | Export Import Management                                     | Responsible Consumption and Production (12) |
| 501. | 19UBA6MBE3A  | Operations Management  | Responsible Consumption and Production (12) |
| 502. | 22UCO1AC1    | Business Economics   | Responsible Consumption and Production (12) |
| 503. | 19UCH5SBE2AP | Chemistry of Consumer Products (P)                           | Responsible Consumption and Production (12) |
| 504. | 16SCCBT8     | Microbial Biotechnology                                      | Responsible Consumption and Production (12) |
| 505. | 16SCCBT6P    | Microbial Biotechnology (P)                                  | Responsible Consumption and Production (12) |
| 506. | 19PPH1CC3    | Electronics  | Responsible Consumption and Production (12) |



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## **CRITERION I**

| 507. | 19UBA6MBE2B   | Global Business Management                            | Responsible Consumption and Production(12) |
|------|---|---|--|
| 508. | 22UEN1AC1   | Social History of England                             | Sustainable cities and communities (11)    |
| 509. | 19USW5CC8   | Community Development (Rural /Urban/ /Tribal)         | Sustainable cities and communities (11)    |
| 510. | 22UMA1CC2   | Integral Calculus                                     | Sustainable cities and communities (11)    |
| 511. | 22UMA2CC4   | Vector Calculus and Fourier Series                    | Sustainable cities and communities (11)    |
| 512. | 22UMA2CC1P  | MATLAB Programming (P)                                | Sustainable cities and communities (11)    |
| 513. | 22UCS1AC1/<br>22UCA1AC1/<br>22UIT1AC1               | Essential Mathematics                                 | Sustainable cities and communities (11)    |
| 514. | 22UCS1AC2/<br>22UCA1AC2<br>22UIT1AC2                | Numerical Analysis and Statistics                     | Sustainable cities and communities (11)    |
| 515. | 22UCS2AC3/<br>22UCA2AC3/<br>22UIT2AC3/<br>22UCG2AC3 | Operations Research                                   | Sustainable cities and communities (11)    |
| 516. | 19UMA5CC9   | Statics   | Sustainable cities and communities (11)    |
| 517. | 19UMA5CC10  | Methods in Numerical Analysis                         | Sustainable cities and communities (11)    |
| 518. | 19UMA5CC1P  | Numerical Methods with MATLAB Programming (Practical) | Sustainable cities and communities (11)    |
| 519. | 19UMA5SBE1A   | Introduction to R                                     | Sustainable cities and communities (11)    |
| 520. | 19UMA6CC13  | Dynamics  | Sustainable cities and communities (11)    |
| 521. | 19UMA6CC14  | Operations Research                                   | Sustainable cities and communities (11)    |
| 522. | 19UMA6MBE2A   | Graph Theory  | Sustainable cities and communities (11)    |
| 523. | 19UMA6MBE3A   | Fuzzy Sets and Systems                                | Sustainable cities and communities (11)    |
| 524. | 19UPH1CC1   | Properties of Matter, Waves and Acoustics             | Sustainable cities and communities (11)    |
| 525. | 19UPH3NME1  | Troubleshooting of Electrical Appliances              | Sustainable cities and communities (11)    |
| 526. | 19UPH5CC5   | Optics  | Sustainable Cities and Communities (11)    |
| 527. | 19UPH6MBE2A   | Communication Physics                                 | Sustainable Cities and Communities (11)    |



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## **CRITERION I**

| 528. | 19UPH6MBE2B  | Computational Physics                     | Sustainable cities and communities (11) |
|------|--------------|---|---|
| 529. | 19UPH6MBE3B  | Astrophysics and Cosmology                | Sustainable cities and communities (11) |
| 530. | 19UCH3NME1   | Chemistry in Everyday Life                | Sustainable Cities and Communities (11) |
| 531. | 20UCH6MBE2AP | Analytical Chemistry Techniques (P)       | Sustainable Cities and Communities (11) |
| 532. | 20UCH6MBE2BP | Analysis of Herbal Medicine (P)           | Sustainable Cities and Communities (11) |
| 533. | 22UGEVS      | Environmental Studies                     | Sustainable Cities and Communities (11) |
| 534. | 22PSW1CC3    | Community Organisation and Social Action  | Sustainable cities and communities (11) |
| 535. | 20PSW3CC7D   | Rural & Tribal Community Development      | Sustainable cities and communities (11) |
| 536. | 20PSW3CC8D   | Urban Community Development               | Sustainable cities and communities (11) |
| 537. | 20PSW4CC9D   | Development Planning, Policy and Practice | Sustainable cities and communities (11) |
| 538. | 22PMA1DSE1B  | Mathematical Modelling                    | Sustainable cities and communities (11) |
| 539. | 19PPH2EC1A   | Microprocessor and Microcontroller        | Sustainable Cities and Communities (11) |
| 540. | 19PPH3CC7    | Statistical Mechanics                     | Sustainable Cities and Communities (11) |
| 541. | 19PPH4EC5B   | Astrophysics                              | Sustainable cities and communities (11) |
| 542. | 22PCH1DSE1AP | Instrumentation Techniques(P)             | Sustainable Cities and Communities (11) |
| 543. | 22PCH1DSE1CP | Biochemistry (P)                          | Sustainable Cities and Communities (11) |
| 544. | 22PCH2DSE2A  | Green Chemistry                           | Sustainable Cities and Communities (11) |
| 545. | 19PCH4EC4B   | Selected Topics in Chemistry              | Sustainable Cities and Communities (11) |
| 546. | 19PPH4EC4A   | Nonlinear Optics                          | Sustainable Cities and Communities (9)  |

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**CRITERION I** 

#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

## 2021-2022

| S. No. | COURSE       | COURSE TITLE  | SDG GOALS  |
|--------|--------------|---|--|
|        | CODE         |   |  |
| 1.     | 19UPH4CC4    | Electricity, Magnetism and Electromagnetism               | Affordable and Clean Energy (7)                    |
| 2.     | 19UCH5SBE3BP | Biofuels (P)  | Affordable and Clean Energy (7)                    |
| 3.     | 19РРНЗСС9    | Physics for Competitive Examination                       | Affordable and clean energy (7)                    |
| 4.     | 19PCH4EC5B   | Biofuels  | Affordable and Clean Energy (7)                    |
| 5.     | 19UCH5SBE3AP | Water Treatment Technology (P)                            | Clean Water and Sanitation (6)                     |
| 6.     | 19UGEVS      | Environmental Studies                                     | Clean water and sanitation (6) Climate Action (13) |
| 7.     | 19PEN2CC7    | American Literature                                       | Climate action (13)                                |
| 8.     | 19UND5CC6    | Dietary Food Service Management                           | Decent work & economic growth (8)                  |
| 9.     | 19UND5MBE1A  | Food Standards and Quality Control                        | Decent work & economic growth (8)                  |
| 10.    | 19PFS2CC6    | Hospital Administration                                   | Decent work & economic growth (8)                  |
| 11.    | 19PFS4CC9    | Quantity Food production and Service                      | Decent work & economic growth (8)                  |
| 12.    | 19PFS4CC10   | Food Service Management                                   | Decent work & economic growth (8)                  |
| 13.    | 19PMA1CC2    | Ordinary Differential Equations                           | Decent Work and Economic Growth                    |
| 14.    | 19PMA1CC3    | Integral Equations, Calculus of Variations and Transforms | Decent Work and Economic Growth                    |
| 15.    | 19PMA1CC4    | Algebraic Number Theory                                   | Decent Work and Economic Growth                    |
| 16.    | 19PMA2EC1A   | Partial Differential Equations                            | Decent Work and Economic Growth                    |
| 17.    | 20PSW1EC1A   | Human Resource Development                                | Decent work and Economic Growth (3)                |
| 18.    | 20PSW3CC7C   | Human Resource Management                                 | Decent work and Economic Growth (3)                |
| 19.    | 19UEN3AC3    | History of English Literature - I                         | Decent work and economic growth (8)                |
| 20.    | 19UEN4AC4    | History of English Literature - II                        | Decent work and economic growth (8)                |
| 21.    | 19USW1AC     | Basics Of Economics and Political System                  | Decent work and Economic Growth (8)                |
| 22.    | 19USW6MBE3A  | Social work in Industry                                   | Decent work and Economic Growth (8)                |
| 23.    | 19UBA3CC5    | Organisational Psychology                                 | Decent Work and Economic Growth (8)                |
| 24.    | 19UBA6CC11   | Human Resource Management                                 | Decent Work and Economic Growth (8)                |



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| 26.19UCC6MBE2AHuman Resource ManagementDecent Work and Economic27.19UMA1CC1Differential Calculus and TrigonometryDecent Work and Economic28.19UMA1AC1Mathematical Statistics – IDecent Work and Economic29.19UMA2AC1PMathematical Statistics – III (Practical)Decent Work and Economic30.19UMA2AC2Mathematical Statistics – IIIDecent Work and Economic31.19UMB3AC3BiostatisticsDecent Work and Economic32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic | Growth (8) |
|--|---|
| 28.19UMA1AC1Mathematical Statistics – IDecent Work and Economic29.19UMA2AC1PMathematical Statistics – II (Practical)Decent Work and Economic30.19UMA2AC2Mathematical Statistics – IIIDecent Work and Economic31.19UMB3AC3BiostatisticsDecent Work and Economic32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic   | Growth (8)            |
| 29.19UMA2AC1PMathematical Statistics – II (Practical)Decent Work and Economic30.19UMA2AC2Mathematical Statistics – IIIDecent Work and Economic31.19UMB3AC3BiostatisticsDecent Work and Economic32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic  | Growth (8) Growth (8) Growth (8) Growth (8) Growth (8)                                  |
| 30.19UMA2AC2Mathematical Statistics – IIIDecent Work and Economic31.19UMB3AC3BiostatisticsDecent Work and Economic32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic   | Growth (8) Growth (8) Growth (8) Growth (8)   |
| 31.19UMB3AC3BiostatisticsDecent Work and Economic32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic  | Growth (8) Growth (8) Growth (8)  |
| 32.19UMA4CC6Sequences and SeriesDecent Work and Economic33.19UCH4SBE1AForensic ChemistryDecent Work and Economic34.19UCH6MBE2BBasics of Nanoscience and NanotechnologyDecent Work and Economic   | Growth (8) Growth (8)   |
| 33. 19UCH4SBE1A Forensic Chemistry Decent Work and Economic 34. 19UCH6MBE2B Basics of Nanoscience and Nanotechnology Decent Work and Economic  | Growth (8)  |
| 34. 19UCH6MBE2B Basics of Nanoscience and Nanotechnology Decent Work and Economic  | . /   |
| 17 COTION BEED Busies of Transscionee and Transcentiology Been Work and Economic   | Growth (8)  |
|  | Olowii (o)  |
| 35. 19UCS1CC1 Programming in C Decent Work and Economic  | Growth (8)  |
| 36. 19UCS1CC1P Programming in C Lab Decent Work and Economic   | Growth (8)  |
| 37. 19UCS2CC2 Java Programming Decent Work and Economic  | Growth (8)  |
| 38. 19UCS1CC2P Java Programming Lab Decent Work and Economic   | Growth (8)  |
| 39. 19UCS3CC3 Database Management Systems Decent Work and Economic   | Growth (8)  |
| 40. 19UCS3CC3P SQL & PL/SQL Lab Decent Work and Economic   | Growth (8)  |
| 41. 19UCS3NME1P Office Automation Lab Decent Work and Economic   | Growth (8)  |
| 42. 19UCS4CC4 Data Structures & Algorithms Decent Work and Economic  | Growth (8)  |
| 43. 19UCS4CC4P Data Structures Lab using C Decent Work and Economic  | Growth (8)  |
| 44. 19UCS4NME2P Multimedia Lab Decent Work and Economic  | Growth (8)  |
| 45. 19UCS4SBE1AP PC Packages & Multimedia Lab Decent Work and Economic   | Growth (8)  |
| 46. 19UCS4SBE1BP Computer Hardware and Trouble Shooting Lab Decent Work and Economic   | Growth (8)  |
| 47. 19UCS5CC6 Computer Graphics Decent Work and Economic   | Growth (8)  |
| 48. 19UCS5CC7 Computer Networks Decent Work and Economic   | Growth (8)  |
| 49. 19UCS5MBE1A Computer Architecture Decent Work and Economic   | Growth (8)  |
| 50. 19UCS5SBE2BP Computer Networks Lab Using JAVA Decent Work and Economic   | Growth (8)  |
| 51. 19UCS5SBE3AP Software Testing Tool – Selenium Decent Work and Economic   | Growth (8)  |
| 52. 19UCS5SBE3BP Computer Graphics Lab Using C Decent Work and Economic  | Growth (8)  |



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| 53. | 19UCS6CC8    | Operating Systems                                   | Decent Work and Economic Growth (8) |
|-----|--------------|---|-------------------------------------|
| 54. | 19UCS6MBE2C  | Artificial Intelligence                             | Decent Work and Economic Growth (8) |
| 55. | 19UCS6MBE3AP | Operating Systems Lab                               | Decent Work and Economic Growth (8) |
| 56. | 19UCS6MBE3CP | Web Technology Lab                                  | Decent Work and Economic Growth (8) |
| 57. | 21UCG1CC1    | Operating System (Theory & Practicals)              | Decent Work and Economic Growth (8) |
| 58. | 21UCG1CC1P   | Introduction to Worksheets                          | Decent Work and Economic Growth (8) |
| 59. | 21UCG1CC2    | IT Cognition and Problem Solving                    | Decent Work and Economic Growth (8) |
| 60. | 21UCG2CC3    | Computer Networks (Theory & Practicals)             | Decent Work and Economic Growth (8) |
| 61. | 21UCG2CC4    | Information Technology Infrastructure Library -ITIL | Decent Work and Economic Growth (8) |
| 62. | 21UCG3CC5    | Java Programming (Theory & Practicals)              | Decent Work and Economic Growth (8) |
| 63. | 21UCG3CC6    | Infrastructure Management                           | Decent Work and Economic Growth (8) |
| 64. | 21UCG4CC7    | Database Management Systems (Theory & Practicals)   | Decent Work and Economic Growth (8) |
| 65. | 21UCG4NME2P  | Multimedia Practical                                | Decent Work and Economic Growth (8) |
| 66. | 21UCG4SBE1AP | HTML,CSS, JavaScript Practical                      | Decent Work and Economic Growth (8) |
| 67. | 21UCG4SBE1BP | Computer Hardware and Trouble Shooting Practical    | Decent Work and Economic Growth (8) |
| 68. | 21UCG5CC8    | Software Testing (Theory & Practicals)              | Decent Work and Economic Growth (8) |
| 69. | 21UCG5CC11   | Virtualization & Cloud                              | Decent Work and Economic Growth (8) |
| 70. | 21UCG5MBE1A  | Computer Organization & Architecture                | Decent Work and Economic Growth (8) |
| 71. | 21UCG5MBE1B  | Process Management                                  | Decent Work and Economic Growth (8) |
| 72. | 21UCG6CC12   | Python Programming (Theory & Practicals)            | Decent Work and Economic Growth (8) |
| 73. | 21UCG6CC13   | Data structures & Algorithms                        | Decent Work and Economic Growth (8) |
| 74. | 21UCG6MBE2A  | Artificial Intelligence                             | Decent Work and Economic Growth (8) |
| 75. | 21UCG6MBE2B  | Mobile Computing                                    | Decent Work and Economic Growth (8) |
| 76. | 21UCG6MBE3C  | Big Data & IoT                                      | Decent Work and Economic Growth (8) |
| 77. | 21UCG6PW     | Project Work  | Decent Work and Economic Growth (8) |
| 78. | 21UCG6SBE3BP | MONGODB Practical                                   | Decent Work and Economic Growth (8) |
| 79. | 19UIT1CC1    | Programming in C                                    | Decent work and Economic Growth (8) |
| 80. | 19UIT1CC1P   | Programming in C Lab                                | Decent work and Economic Growth (8) |



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| 81.  | 19UIT2CC2P   | Data Structures Using C++ Lab         | Decent work and Economic Growth (8) |
|------|--------------|---------------------------------------|-------------------------------------|
| 82.  | 19UIT3CC3    | Database Management Systems           | Decent work and Economic Growth (8) |
| 83.  | 19UIT3CC3P   | DBMS Lab                              | Decent work and Economic Growth (8) |
| 84.  | 19UIT3NME1   | Internet and its Usage                | Decent work and Economic Growth (8) |
| 85.  | 19UIT4CC4    | Programming In Java                   | Decent work and Economic Growth (8) |
| 86.  | 19UIT4CC4P   | Programming In Java Lab               | Decent work and Economic Growth (8) |
| 87.  | 19UIT4SBE1AP | Web Development Tool                  | Decent work and Economic Growth (8) |
| 88.  | 19UIT4NME2   | Information Security & Cyber Laws     | Decent work and Economic Growth (8) |
| 89.  | 19UIT5CC5    | Python Programming & Machine Learning | Decent work and Economic Growth (8) |
| 90.  | 19UIT5CC7    | Digital Logic and Computer Design     | Decent work and Economic Growth (8) |
| 91.  | 19UIT5MBE1B  | Object Oriented Analysis and design   | Decent work and Economic Growth (8) |
| 92.  | 19UIT5MBE1C  | Software Project Management           | Decent work and Economic Growth (8) |
| 93.  | 19UIT5SBE2AP | Content Management System Tool        | Decent work and Economic Growth (8) |
| 94.  | 19UIT5SBE2BP | Interactive Multimedia Software       | Decent work and Economic Growth (8) |
| 95.  | 19UIT5SBE3AP | Web Designing Lab                     | Decent work and Economic Growth (8) |
| 96.  | 19UIT5SBE3BP | Graphics Lab                          | Decent work and Economic Growth (8) |
| 97.  | 19UIT6CC8    | Operating system                      | Decent work and Economic Growth (8) |
| 98.  | 19UIT6CC9    | Mobile Application Development        | Decent work and Economic Growth (8) |
| 99.  | 19UIT6MBE2A  | PHP and MYSQL Web Development         | Decent work and Economic Growth (8) |
| 100. | 19UIT6MBE2B  | C# Programming                        | Decent work and Economic Growth (8) |
| 101. | 19UIT6MBE2C  | Artificial Intelligence               | Decent work and Economic Growth (8) |
| 102. | 19UIT6MBE3AP | PHP and MYSQL Web Development Lab     | Decent work and Economic Growth (8) |
| 103. | 19UIT6MBE3BP | .Net with C#                          | Decent work and Economic Growth (8) |
| 104. | 19UIT6MBE3CP | Mobile Application using Android      | Decent work and Economic Growth (8) |
| 105. | 19UMB4SBE1A  | Mushroom Technology                   | Decent work and economic growth (8) |
| 106. | 19UMB5CC6    | Agricultural Microbiology             | Decent work and economic growth (8) |
| 107. | 19UMB5MBE1B  | Organic Farming                       | Decent work and economic growth (8) |
| 108. | 19UMB5SBE2AP | Biofertilizer Technology Practical    | Decent work and economic growth (8) |



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| 109. | 20PSW3CC8C | Labour Laws And Industrial Relations | Decent work and Economic Growth (8) |
|------|------------|--------------------------------------|-------------------------------------|
| 110. | 19РСНЗЕСЗА | Instrumentation Techniques           | Decent Work and Economic Growth (8) |
| 111. | 19РСН3ЕСЗВ | Intellectual Property Rights         | Decent Work and Economic Growth (8) |
| 112. | 19PCS1CC2  | Design and Analysis of Algorithms    | Decent Work and Economic Growth (8) |
| 113. | 19PCS1CC3  | Web Technologies                     | Decent Work and Economic Growth (8) |
| 114. | 19PCS1CC4  | Distributed Operating Systems        | Decent Work and Economic Growth (8) |
| 115. | 19PCS2CC5  | Data Mining and Warehousing          | Decent Work and Economic Growth (8) |
| 116. | 19PCS2EC1B | Soft Computing                       | Decent Work and Economic Growth (8) |
| 117. | 19PCS2EC1C | Advanced Computer Architecture       | Decent Work and Economic Growth (8) |
| 118. | 19PCS2EC2B | Advanced Database System             | Decent Work and Economic Growth (8) |
| 119. | 19PCS2EC2C | Software Project Management          | Decent Work and Economic Growth (8) |
| 120. | 19PCS3EC3B | Parallel Processing                  | Decent Work and Economic Growth (8) |
| 121. | 19PCS3EC3C | Compiler Design                      | Decent Work and Economic Growth (8) |
| 122. | 19PCS4CC10 | Digital Image Processing             | Decent Work and Economic Growth (8) |
| 123. | 19PCS4EC5A | Wireless Sensor Networks             | Decent Work and Economic Growth (8) |
| 124. | 19PCS4EC5B | MANET                                | Decent Work and Economic Growth (8) |
| 125. | 19PCS4EC5C | Mobile Computing                     | Decent Work and Economic Growth (8) |
| 126. | 19PMB2EC1B | Organic Farming                      | Decent work and economic growth (8) |
| 127. | 19PMB2EC2A | Biofertilizer Technology             | Decent work and economic growth (8) |
| 128. | 19UEN1CC2  | Short Stories                        | Gender equality (5)                 |
| 129. | 19UEN2CC4  | Fiction                              | Gender equality (5)                 |
| 130. | 19UEN3CC5  | One Act Plays                        | Gender equality (5)                 |
| 131. | 19UEN5CC9  | Shakespeare                          | Gender equality (5)                 |
| 132. | 19UEN5CC12 | Women's Writing in English           | Gender equality (5)                 |
| 133. | 19UEN6CC15 | Commonwealth Literature              | Gender equality (5)                 |
| 134. | 19PEN1CC1  | British Literature – I (1340-1798)   | Gender equality (5)                 |
| 135. | 19PEN1CC2  | Shakespeare                          | Gender equality (5)                 |
| 136. | 19PEN1CC4  | Women's Writing                      | Gender equality (5)                 |



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| 137. | 19PEN1EC1B  | European Literature                        | Gender equality (5)              |
|------|-------------|--|----------------------------------|
| 138. | 19PEN2CC5   | British Literature – II (1799-Present Age) | Gender equality (5)              |
| 139. | 19PEN2EC2B  | Post-Colonial Studies                      | Gender equality (5)              |
| 140. | 19PEN3CC9   | Asian Literature in English                | Gender equality (5)              |
| 141. | 19PEN4EC5A  | North East Indian Literature               | Gender equality (5)              |
| 142. | 19PEN4EC5B  | Post-Modern Fiction                        | Gender equality (5)              |
| 143. | 20PSW3CC7B  | Women Welfare and Health                   | Gender Equality (5)              |
| 144. | 19PTA4EC5A  | Penniyam                                   | Gender Equality (5)              |
| 145. | 19UND1AC1   | Food Microbiology                          | Good Health and Well-being (3)   |
| 146. | 19UND3CC3   | Principles of Nutrition                    | Good Health and Well-being (3)   |
| 147. | 19UND3NME1  | Basics in Nutrition                        | Good Health and Well-being (3)   |
| 148. | 19UND4CC4   | Nutrition through Life Cycle               | Good Health and Well-being (3)   |
| 149. | 19UND4NME2  | Nutrition for the family                   | Good Health and Well-being (3)   |
| 150. | 19UND5CC5   | Diet Therapy I                             | Good Health and Well-being (3)   |
| 151. | 19UND6CC8   | Diet Therapy II                            | Good Health and Well-being (3)   |
| 152. | 19UND6MBE2A | Community Nutrition                        | Good Health and Well-being (3)   |
| 153. | 19PFS2EC2B  | Nutrition for fitness                      | Good Health and Well-being (3)   |
| 154. | 19PFS3EC3B  | Nutrition in Clinical Critical Care        | Good Health and Well-being (3)   |
| 155. | 19PFS4EC5B  | Counselling Skills                         | Good Health and Well-being (3)   |
| 156. | 19UND6MBE3B | Nutraceuticals and Functional Foods        | Good Health and Well-being (3)   |
| 157. | 19PFS1CC2   | Human Nutrition and Public Health          | Good Health and Well–Being (3)   |
| 158. | 19PFS1CC3   | Biochemical Changes in Diseases            | Good Health and Well–Being (3)   |
| 159. | 19PFS2CC5   | Advanced Dietetics II                      | Good Health and Well–Being (3)   |
| 160. | 19PFS2EC1A  | Functional Foods and Nutraceuticals        | Good Health and Well–Being (3)   |
| 161. | 19PFS2EC1B  | Paediatric Nutritional Care                | Good Health and Well – Being (3) |
| 162. | 19PFS2EC2A  | Applied Physiology                         | Good Health and Well – Being (3) |
| 163. | 19UPH4SBE1A | Biomedical Instrumentation                 | Good Health and Well – Being (3) |
| 164. | 19UCH4NME2  | Food Adulterants and Health Care           | Good Health and Well – Being (3) |



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| 165. | 19UCH4SBE1B  | Food Chemistry                                 | Good Health and Well – Being (3) |
|------|--------------|--|----------------------------------|
| 166. | 19UCH6MBE3B  | Pharmaceutical Chemistry                       | Good Health and Well – Being (3) |
| 167. | 19PCH3EC2A   | Pharmaceutical Chemistry                       | Good Health and Well – Being (3) |
| 168. | 19UBT6MBE3B  | Drug Discovery and Development                 | Good Health and Well-being (3)   |
| 169. | 19UPH6MBE2B  | Medical Physics                                | Good Health and Well-being (3)   |
| 170. | 19UMB1AC1    | Fundamentals of Biochemistry -I                | Good health and well-being (3)   |
| 171. | 19UMB1AC1P   | Fundamentals of Biochemistry I & II Practicals | Good health and well-being (3)   |
| 172. | 19UMB2AC2    | Fundamentals of Biochemistry-II                | Good health and well-being (3)   |
| 173. | 19UMB3CC3    | Introductory Virology                          | Good health and well-being (3)   |
| 174. | 19UMB3NME1   | Herbal Medicine                                | Good health and well-being (3)   |
| 175. | 19UMB4CC4    | Immunology                                     | Good health and well-being (3)   |
| 176. | 19UMB4NME2   | Pharmacognosy                                  | Good health and well-being (3)   |
| 177. | 19UMB4SBE1B  | Clinical Parasitology                          | Good health and well-being (3)   |
| 178. | 19UMB5CC5    | Medical Microbiology                           | Good health and well-being (3)   |
| 179. | 19UMB5SBE3AP | Medical Laboratory Technology Practical        | Good health and well-being (3)   |
| 180. | 19UMB6MBE2B  | Food Adulteration                              | Good health and well-being (3)   |
| 181. | 19UBT3CC3    | rDNA Technology                                | Good Health and well-being (3)   |
| 182. | 19UBT4CC4    | Immunology                                     | Good Health and well-being (3)   |
| 183. | 19UBT5MBE1A  | Pharmacognosy                                  | Good Health and well-being (3)   |
| 184. | 19UBT5MBE1B  | Cancer Biology                                 | Good Health and well-being (3)   |
| 185. | 19UBT5SBE2A  | Molecular Diagnostics and Therapeutics         | Good Health and well-being (3)   |
| 186. | 19PPH2EC2B   | Biomechanics and Bio Physics                   | Good Health and well-being (3)   |
| 187. | 19PMB1CC2    | Biological macromolecules                      | Good health and well-being (3)   |
| 188. | 19PMB1CC3    | Virology                                       | Good health and well-being (3)   |
| 189. | 19PMB2CC6    | Immunology                                     | Good health and well-being (3)   |
| 190. | 19PMB2EC2B   | Public Health Microbiology                     | Good health and well-being (3)   |
| 191. | 19PMB3CC8    | Clinical Microbiology                          | Good health and well-being (3)   |
| 192. | 19PMB3EC3B   | Food Adulteration                              | Good health and well-being (3)   |



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| 193. | 19PMB3EC3C  | Biomedical Laboratory Technology                                    | Good health and well-being (3)             |
|------|-------------|---|--|
| 194. | 19UMB3CC2P  | Introductory Virology and Immunology Practicals                     | Good health and well-being (3)             |
| 195. | 19USW2CC4   | Human Growth and Development  | Good Health and Wellbeing (3)              |
| 196. | 19USW4CC6   | Social Welfare Administration                                       | Good Health and Wellbeing (3)              |
| 197. | 19USW4AC4   | Health Care Services  | Good Health and Wellbeing (3)              |
| 198. | 19USW4SBE1A | Stress Management   | Good Health and Wellbeing (3)              |
| 199. | 19USW4SBE1B | Life Skills   | Good Health and Wellbeing (3)              |
| 200. | 19USW5CC7   | Family and Child Welfare  | Good Health and Wellbeing (3)              |
| 201. | 19USW5CC9   | Introduction To Counselling & Guidance                              | Good Health and Wellbeing (3)              |
| 202. | 19USW5SBE2A | Psychological First Aid   | Good Health and Wellbeing (3)              |
| 203. | 19USW6MBE2A | Gerontological Social Work  | Good Health and Wellbeing (3)              |
| 204. | 19USW6MBE2B | Youth Welfare   | Good Health and Wellbeing (3)              |
| 205. | 20PSW2EC2A  | Counselling: Theory and Practice                                    | Good Health and Wellbeing (3)              |
| 206. | 20PSW2EC2B  | Family Social Work  | Good Health and Wellbeing (3)              |
| 207. | 20PSW2EC3B  | Health and Hygiene  | Good Health and Wellbeing (3)              |
| 208. | 20PSW3CC7A  | Public Health   | Good Health and Wellbeing (3)              |
| 209. | 20PSW3CC8A  | Medical Social Work   | Good Health and Wellbeing (3)              |
| 210. | 20PSW3CC8B  | Child Rights and Child Protection                                   | Good Health and Wellbeing (3)              |
| 211. | 20PSW3EC4B  | Life Skills and Soft Skills for Social Workers                      | Good Health and Wellbeing (3)              |
| 212. | 20PSW4CC9A  | Psychiatric Social Work   | Good Health and Wellbeing (3)              |
| 213. | 20PSW4CC9B  | Welfare of the Youth and Aged                                       | Good Health and Wellbeing (3)              |
| 214. | 19PCO4EC5B  | Project Management  | Industry Innovation and Infrastructure (9) |
| 215. | 19UBA2CC3   | Elements of Marketing   | Industry Innovation and Infrastructure (9) |
| 216. | 19UBA2AC2   | Business Environment  | Industry Innovation and Infrastructure (9) |
| 217. | 19UBA3CC1P  | Computer Applications Package for Managers – Ms Office<br>Practical | Industry Innovation and Infrastructure (9) |
| 218. | 19UBA4CC2P  | Computer Applications Package for Managers – Tally Practical        | Industry Innovation and Infrastructure (9) |
| 219. | 19UBA4SBE1A | E - Business  | Industry Innovation and Infrastructure (9) |



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| 220. | 19UBA5CC7    | Entrepreneurial Development                    | Industry Innovation and Infrastructure (9) |
|------|--------------|--|--|
| 221. | 19UBA5CC10   | Digital Marketing                              | Industry Innovation and Infrastructure (9) |
| 222. | 19UBA5MBE1A  | Consumer Behaviour                             | Industry Innovation and Infrastructure (9) |
| 223. | 19UBA5SBE2AP | Banking Practicum study                        | Industry Innovation and Infrastructure (9) |
| 224. | 19UBA5SBE2BP | New Product Development                        | Industry Innovation and Infrastructure (9) |
| 225. | 19UBA5SBE3AP | Statistical Package For Managers (SPSS)        | Industry Innovation and Infrastructure (9) |
| 226. | 19UBA5SBE3BP | Event Management Practical                     | Industry Innovation and Infrastructure (9) |
| 227. | 19UBA6MBE2A  | Business Analytics                             | Industry Innovation and Infrastructure (9) |
| 228. | 19UBA6MBE3B  | Business Ethics                                | Industry Innovation and Infrastructure (9) |
| 229. | 19UCO3CC6    | Banking Theory Law & Practices                 | Industry Innovation and Infrastructure (9) |
| 230. | 19UCO3NME1   | Elements of Insurance                          | Industry Innovation and Infrastructure (9) |
| 231. | 21UCO4CC1P   | Accounting Package - Practicals                | Industry Innovation and Infrastructure (9) |
| 232. | 21UCO4SBE1AP | Introduction to MS-Word (Practical)            | Industry Innovation and Infrastructure (9) |
| 233. | 21UCO5SBE1BP | Creative Advertising (Practical)               | Industry Innovation and Infrastructure (9) |
| 234. | 19UCO5CC10   | Entrepreneurship & Small Business Management   | Industry Innovation and Infrastructure (9) |
| 235. | 19UCO5MBE1B  | E- Retailing                                   | Industry Innovation and Infrastructure (9) |
| 236. | 19UCO5SBE2AP | SPSS - Practicals                              | Industry Innovation and Infrastructure (9) |
| 237. | 19UCO6CC2P   | Accounting Package - Practicals                | Industry Innovation and Infrastructure (9) |
| 238. | 19UCO6MBE2B  | E-Commerce                                     | Industry Innovation and Infrastructure (9) |
| 239. | 19UCC1CC2    | Modern Management Concepts                     | Industry Innovation and Infrastructure (9) |
| 240. | 20UCC2CC3    | Modern Marketing                               | Industry Innovation and Infrastructure (9) |
| 241. | 19UCC3NME1   | Elements of Insurance                          | Industry Innovation and Infrastructure (9) |
| 242. | 21UCC4SBE1AP | Accounting Fundamentals with Tally (Practical) | Industry Innovation and Infrastructure (9) |
| 243. | 21UCC4SBE1BP | Creative Advertising (Practical)               | Industry Innovation and Infrastructure (9) |
| 244. | 19UCC5CC10   | Entrepreneurial Development                    | Industry Innovation and Infrastructure (9) |
| 245. | 19UCC5MBE1B  | E-Retailing                                    | Industry Innovation and Infrastructure (9) |
| 246. | 19UCC5SBE2AP | SPSS - Practicals                              | Industry Innovation and Infrastructure (9) |
| 247. | 19UCC6CC3P   | Computerized Accounting - Practicals           | Industry Innovation and Infrastructure (9) |



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| 248. | 19UCC6MBE2B  | Modern Banking  | Industry Innovation and Infrastructure (9)  |
|------|--------------|---|---|
| 249. | 19UIT2CC2    | Data Structures and C++                                       | Industry Innovation and Infrastructure (9)  |
| 250. | 19UIT4SBE1BP | Animation Tool  | Industry Innovation and Infrastructure (9)  |
| 251. | 19UIT5CC5P   | Programming in Python Lab                                     | Industry Innovation and Infrastructure (9)  |
| 252. | 19UIT5CC6    | Computer Networks   | Industry Innovation and Infrastructure (9)  |
| 253. | 19UIT5MBE1A  | Software Engineering  | Industry Innovation and Infrastructure (9)  |
| 254. | 19PCO1CC2    | Managerial Economics  | Industry Innovation and Infrastructure (9)  |
| 255. | 19PCO1CC3    | Corporate Laws  | Industry Innovation and Infrastructure (9)  |
| 256. | 19PCO1CC4    | Strategic Management  | Industry Innovation and Infrastructure (9)  |
| 257. | 19PCO1EC1A   | Business Ethics, Corporate Social Responsibility & Governance | Industry Innovation and Infrastructure (9)  |
| 258. | 19PCO1EC1B   | Services Marketing  | Industry Innovation and Infrastructure (9)  |
| 259. | 19PCO2EC2A   | Retail Management   | Industry Innovation and Infrastructure (9)  |
| 260. | 19PCO2EC2B   | International Trade Finance                                   | Industry Innovation and Infrastructure (9)  |
| 261. | 19PCO3CC10   | Business Research Methods – I                                 | Industry Innovation and Infrastructure (9)  |
| 262. | 19PCO3EC3A   | Digital Marketing   | Industry Innovation and Infrastructure (9)  |
| 263. | 19PCO4CC2P   | Business Research Methods – II (Practicals)                   | Industry Innovation and Infrastructure (9)  |
| 264. | 19PCO4EC5A   | Entrepreneurship & New Venture Creation                       | Industry Innovation and Infrastructure (9)  |
| 265. | 19UCS6MBE3BP | R Programming Lab   | Industry, Innovation and Infrastructure (8) |
| 266. | 19UPH2CC2    | Mechanics and Relativity                                      | Industry, Innovation and Infrastructure (9) |
| 267. | 19UPH4SBE1B  | Photography and Videography                                   | Industry, Innovation and Infrastructure (9) |
| 268. | 19UPH5CC7    | Analog Electronics  | Industry, Innovation and Infrastructure (9) |
| 269. | 19UPH5MBE1B  | Laser Physics   | Industry, Innovation and Infrastructure (9) |
| 270. | 19UPH5SBE2A  | Physics Concepts Through Simulation                           | Industry, Innovation and Infrastructure (9) |
| 271. | 19UPH5SBE3A  | Web Designing   | Industry, Innovation and Infrastructure (9) |
| 272. | 19UCH5SBE2BP | Dye Chemistry (P)   | Industry, Innovation and Infrastructure (9) |
| 273. | 19UCH5MBE2A  | Nuclear and Industrial Chemistry                              | Industry, Innovation and Infrastructure (9) |
| 274. | 19UCH6MBE3A  | Polymer Chemistry   | Industry, Innovation and Infrastructure (9) |
| 275. | 19UCS5CC5    | Python Programming  | Industry, Innovation and Infrastructure (9) |



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| 276. | 19UCS5CC5P   | Python Programming Lab                                     | Industry, Innovation and Infrastructure (9) |
|------|--------------|--|---|
| 277. | 19UCS5MBE1B  | Software Engineering                                       | Industry, Innovation and Infrastructure (9) |
| 278. | 19UCS5MBE1C  | Cyber Security   | Industry, Innovation and Infrastructure (9) |
| 279. | 19UCS5SBE2AP | Mobile Application Development Lab                         | Industry, Innovation and Infrastructure (9) |
| 280. | 19UCS6CC9    | Web Technology   | Industry, Innovation and Infrastructure (9) |
| 281. | 19UCS6MBE2A  | Cloud Computing  | Industry, Innovation and Infrastructure (9) |
| 282. | 19UCS6MBE2B  | Fundamentals of Big data & IoT                             | Industry, Innovation and Infrastructure (9) |
| 283. | 21UCG5CC9    | Introduction to Digital Technologies (Theory & Practicals) | Industry, Innovation and Infrastructure (9) |
| 284. | 21UCG5CC10   | Client Relationship Management (Theory & Practicals)       | Industry, Innovation and Infrastructure (9) |
| 285. | 21UCG5MBE1C  | Computer Graphics  | Industry, Innovation and Infrastructure (9) |
| 286. | 21UCG5SBE2AP | Virtualization & Cloud Practical                           | Industry, Innovation and Infrastructure (9) |
| 287. | 21UCG5SBE2BP | Dot Net Practical  | Industry, Innovation and Infrastructure (9) |
| 288. | 21UCG6MBE2C  | Data mining & Warehousing                                  | Industry, Innovation and Infrastructure (9) |
| 289. | 21UCG6MBE3A  | Network Security   | Industry, Innovation and Infrastructure (9) |
| 290. | 21UCG6MBE3B  | Human Computer Interaction                                 | Industry, Innovation and Infrastructure (9) |
| 291. | 21UCG6SBE3AP | Mobile Application Development Practical                   | Industry, Innovation and Infrastructure (9) |
| 292. | 19UMB6CC8    | Industrial Microbiology                                    | Industry, innovation and infrastructure (9) |
| 293. | 19UMB6CC9    | Food Microbiology  | Industry, innovation and infrastructure (9) |
| 294. | 19UMB6CC4P   | Industrial and Food Microbiology - Practicals              | Industry, innovation and infrastructure (9) |
| 295. | 19UBT6MBE3A  | Bioentrepreneurship  | Industry, Innovation and Infrastructure (9) |
| 296. | 19UND4SBE1A  | Regional Cuisines  | Industry, innovation and infrastructure (9) |
| 297. | 19UND4SBE1B  | Basics in Food Production                                  | Industry, innovation and infrastructure (9) |
| 298. | 19UND5MBE1B  | Techniques of Food Evaluation                              | Industry, innovation and infrastructure (9) |
| 299. | 19UND6MBE3A  | Food Processing  | Industry, innovation and infrastructure (9) |
| 300. | 19РРНЗЕСЗВ   | Material Characterization and Measurement Techniques       | Industry, Innovation and Infrastructure (9) |
| 301. | 19PPH4EC4B   | Space Physics  | Industry, Innovation and Infrastructure (9) |
| 302. | 19PPH4EC5A   | Nanophysics  | Industry, Innovation and Infrastructure (9) |
| 303. | 19PCH4EC4A   | Industrial Chemistry                                       | Industry, Innovation and Infrastructure (9) |



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| 304. | 19PCS1CC1P  | Web Technologies Lab                          | Industry, Innovation and Infrastructure (9)  |
|------|-------------|---|--|
| 305. | 19PCS2CC2P  | Data Mining Lab and MatLab                    | Industry, Innovation and Infrastructure (9)  |
| 306. | 19PCS2CC6   | Artificial Intelligence                       | Industry, Innovation and Infrastructure (9)  |
| 307. | 19PCS2EC1A  | Network Security                              | Industry, Innovation and Infrastructure (9)  |
| 308. | 19PCS2EC2A  | Bioinformatics                                | Industry, Innovation and Infrastructure (9)  |
| 309. | 19PCS3CC7   | Computer Science for Competitive Examinations | Industry, Innovation and Infrastructure (9)  |
| 310. | 19PCS3CC8   | Big Data Analytics                            | Industry, Innovation and Infrastructure (9)  |
| 311. | 19PCS3CC3P  | Python and R Lab                              | Industry, Innovation and Infrastructure (9)  |
| 312. | 19PCS3EC3A  | Blockchain                                    | Industry, Innovation and Infrastructure (9)  |
| 313. | 19PCS3EC4A  | Robotic Process Automation                    | Industry, Innovation and Infrastructure (9)  |
| 314. | 19PCS3EC4B  | Machine Learning                              | Industry, Innovation and Infrastructure (9)  |
| 315. | 19PCS3EC4C  | IoT   | Industry, Innovation and Infrastructure (9)  |
| 316. | 19PCS4CC9   | Cloud Computing                               | Industry, Innovation and Infrastructure (9)  |
| 317. | 19PCS4CC4P  | FOSS Lab                                      | Industry, Innovation and Infrastructure (9)  |
| 318. | 19PMB3CC7   | Industrial Microbiology                       | Industry, innovation and infrastructure (9)  |
| 319. | 19PFS3EC4A  | Food Product Development                      | Industry, innovation and infrastructure (9)  |
| 320. | 19PFS3EC4B  | Basic Food Analytical Techniques              | Industry, innovation and infrastructure (9)  |
| 321. | 19UPH5MBE1A | Material Science                              | Industry, Innovation, and Infrastructure (9) |
| 322. | 19PPH1CC2   | Classical Dynamics and Relativity             | Industry, Innovation, and Infrastructure (9) |
| 323. | 19PPH1CC4   | Quantum Mechanics-I                           | Industry, Innovation, and Infrastructure (9) |
| 324. | 19PPH2CC5   | Electromagnetic Theory                        | Industry, Innovation, and Infrastructure (9) |
| 325. | 19PPH2CC6   | Quantum Mechanics – II                        | Industry, Innovation, and Infrastructure (9) |
| 326. | 19PPH2EC2A  | Numerical Methods and C++ Programming         | Industry, Innovation, and Infrastructure (9) |
| 327. | 19PPH3CC8   | Solid State Physics                           | Industry, Innovation, and Infrastructure (9) |
| 328. | 19PPH4CC10  | Nuclear and Particle Physics                  | Industry, Innovation, and Infrastructure (9) |
| 329. | 19PMB2EC2C  | Marine Microbiology                           | Life Below Water (14)                        |
| 330. | 19UEN6CC14  | Indian Writing in English                     | Life on land (15)                            |
| 331. | 19UPH3CC3   | Thermal Physics and Statistical Mechanics     | Life on land (15)                            |



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## **CRITERION I**

| 332. | 19UMB1CC1    | General Microbiology                            | Life on land (15)                       |
|------|--------------|---|---|
| 333. | 19UMB2CC2    | Microbial Physiology                            | Life on land (15)                       |
| 334. | 19UMB5MBE1A  | Fundamentals of Botany and Zoology              | Life on land (15)                       |
| 335. | 19UBT3AC3    | Biochemistry                                    | Life on Land (15)                       |
| 336. | 19UBT3AC2P   | Lab in Biochemistry                             | Life on Land (15)                       |
| 337. | 19UBT3NME1   | NME- Basics of Biotechnology                    | Life on Land (15)                       |
| 338. | 19UBT5CC6    | Animal Biotechnology                            | Life on Land (15)                       |
| 339. | 19UTA2AC2    | Thamizhaga Varalaarum Panpaadum                 | Life on Land (15)                       |
| 340. | 19UTA3CC6    | Samaya Ilakkiyam                                | Life on Land (15)                       |
| 341. | 19UTA4CC8    | Kappiyangal                                     | Life on Land (15)                       |
| 342. | 19UTA5CC12   | Nattupuraviyal                                  | Life on Land (15)                       |
| 343. | 19UTA6CC14   | Sanga Ilakkiyam-1                               | Life on Land (15)                       |
| 344. | 19UTA6CC15   | Sanga Ilakkiyam-1i                              | Life on Land (15)                       |
| 345. | 19PEN1CC3    | Indian English Literature                       | Life on land (15)                       |
| 346. | 20PSW4EC4A   | Disaster Management                             | Life on Land (15)                       |
| 347. | 19PMB1CC1    | Essentials of Microbiology                      | Life on land (15)                       |
| 348. | 19PTA1CC3    | Samaya Ilakkiyam                                | Life on Land (15)                       |
| 349. | 19PTA2CC7    | Kaappiyangal                                    | Life on Land (15)                       |
| 350. | 19PTA3CC10   | Sanga Ilakkiyam                                 | Life on Land (15)                       |
| 351. | 19PTA4EC4B   | Panbaattu Manidaviyal                           | Life on Land (15)                       |
| 352. |              |   | Life on Land (15)                       |
|      | 19UBT1CC1    | Cell Biology                                    | Life below Water (14)                   |
| 353. | 1011071 4 C1 | Consul Missakislassa                            | Life on Land (15)                       |
| 354. | 19UBT1AC1    | General Microbiology                            | Life below Water (14) Life on Land (15) |
| 334. | 19UBT2CC2    | Molecular Biology                               | Life below Water (14)                   |
| 355. | 19USW1CC2    | Structure of Indian Society and Indian Problems | No Poverty (1)                          |
| 356. | 19UCO2AC2    | Business Economics - II                         | No Poverty (1)                          |



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## **CRITERION I**

| 357. | 19UBT5CC5   | Plant Biotechnology                                  | No Poverty (1)                              |
|------|-------------|--|---|
| 358. |             | Plant and Animal                                     | No Poverty (1)                              |
|      | 19UBT5CC5P  | Biotechnology (P)                                    |   |
| 359. | 19UBT6MBE2B | Stem Cell Biology                                    | No Poverty (1)                              |
| 360. | 19UE1       | Functional Grammar for Effective Communication - I   | Partnership for the goals (17)              |
| 361. | 19UE2       | Functional Grammar for Effective Communication II    | Partnership for the goals (17)              |
| 362. | 19UEN2AC2   | Literary Forms                                       | Partnership for the goals (17)              |
| 363. | 19UE3       | Reading and Writing for Effective Communication - I  | Partnership for the goals (17)              |
| 364. | 19UEN3NME1  | Presentation Skills in English                       | Partnership for the goals (17)              |
| 365. | 19UE4       | Reading and Writing for Effective Communication - II | Partnership for the goals (17)              |
| 366. | 19UEN4CC8   | Introduction to Language and Linguistics             | Partnership for the goals (17)              |
| 367. | 19UPH4NME2  | Audio and Video System                               | Partnership for the Goals (17)              |
| 368. | 19UPH5SBE2B | Cell Phone Servicing                                 | Partnership for the Goals (17)              |
| 369. | 19UPH5SBE3B | Electrical Wiring                                    | Partnership for the Goals (17)              |
| 370. | 19PEN1EC1A  | Linguistics & Rhetoric                               | Partnership for the goals (17)              |
| 371. | 19PEN2EC2A  | English Language Teaching                            | Partnership for the goals (17)              |
| 372. | 19UPH5CC6   | Atomic and Molecular Physics                         | Partnerships for the Goals (17)             |
| 373. | 19PSW1EC1B  | NGO Management                                       | Partnerships for the Goals (17)             |
| 374. | 20PSW3EC4A  | Corporate Social Responsibility                      | Partnerships for the Goals (17)             |
| 375. | 19PPH1CC1   | Mathematical Physics                                 | Partnerships for the Goals (17)             |
| 376. | 19PPH2EC1B  | Non-destructive evaluation Techniques                | Partnerships for the Goals (17)             |
| 377. | 19PPH3CC3A  | Crystal Growth and Thin Film Physics                 | Partnerships for the Goals (17)             |
| 378. | 16SCCBT9    | IPR and Bioethics                                    | Peace and Justice strong Institutions (16)  |
| 379. | 19UEN1CC1   | Prose  | Peace, justice and strong institutions (16) |
| 380. | 19UEN2CC3   | Poetry - I   | Peace, justice and strong institutions (16) |
| 381. | 19UEN3CC6   | Poetry II  | Peace, justice and strong institutions (16) |
| 382. | 19UEN4CC7   | Drama  | Peace, justice and strong institutions (16) |
| 383. | 19UEN5CC11  | American Literature                                  | Peace, justice and strong institutions (16) |



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## **CRITERION I**

| 384. | 19UEN5MBE1A | Mastering English Literature                        | Peace, justice and strong institutions (16) |
|------|-------------|---|---|
| 385. | 19UEN6MBE2A | Journalism  | Peace, justice and strong institutions (16) |
| 386. | 19USW6CC12  | Correctional Social work                            | Peace, justice and Strong Institutions (16) |
| 387. | 19UTA1CC2   | Ikkala Ilakkiyam                                    | Peace, Justice and Strong Institutions (16) |
| 388. | 19UTA2CC4   | Sitrilakkiyam                                       | Peace, Justice and Strong Institutions (16) |
| 389. | 19UTA4NME2  | Thamizharin Vazhibadugalum Vizhakkalum              | Peace, Justice and Strong Institutions (16) |
| 390. | 19UTA5CC10  | Ara Ilakkiyam                                       | Peace, Justice and Strong Institutions (16) |
| 391. | 19PEN4CC14  | New Literature                                      | Peace, justice and strong institutions (16) |
| 392. | 19PEN4EC4A  | Award Winning Authors (Nobel Laureate 1913 - 2020)  | Peace, justice and strong institutions (16) |
| 393. | 19PEN4EC4B  | Single Author Study – John Milton                   | Peace, justice and strong institutions (16) |
| 394. | 19PTA1CC2   | Ikkala Ilakkiyam-I                                  | Peace, Justice and Strong Institutions (16) |
| 395. | 19PTA2CC6   | Ikkala Ilakkiyam - Ii                               | Peace, Justice and Strong Institutions (16) |
| 396. | 19PTA3CC11  | Ara Ilakkiyam                                       | Peace, Justice and Strong Institutions (16) |
| 397. | 19UEN4NME2  | Communication Skills in English                     | Quality education (4)                       |
| 398. | 19UEN4SBE1A | Writing for Media                                   | Quality education (4)                       |
| 399. | 19UEN4SBE1B | Business English                                    | Quality education (4)                       |
| 400. | 19UEN5CC10  | Principals of Literary Criticism                    | Quality education (4)                       |
| 401. | 19UEN5MBE1B | Translation Theory and Practice                     | Quality education (4)                       |
| 402. | 19UEN5SBE2A | Academic Writing                                    | Quality education (4)                       |
| 403. | 19UEN5SBE2B | Functional English                                  | Quality education (4)                       |
| 404. | 19UEN5SBE3A | Public Speaking                                     | Quality education (4)                       |
| 405. | 19UEN5SBE3B | Art of Speaking                                     | Quality education (4)                       |
| 406. | 19UGPS      | Professional Skills                                 | Quality education (4)                       |
| 407. | 19UEN6CC13  | English Language Teaching                           | Quality education (4)                       |
| 408. | 19UEN6MBE2B | Mass Communication                                  | Quality education (4)                       |
| 409. | 19UEN6MBE3A | Developing Language Skills                          | Quality education (4)                       |
| 410. | 19UEN6MBE3B | Phonetics   | Quality education (4)                       |
| 411. | 19UPH6CC8   | Digital Electronics and Microprocessor Fundamentals | Quality Education (4)                       |



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## **CRITERION I**

| 412. | 19UPH6CC9    | Classical and Quantum Physics                           | Quality Education (4) |
|------|--------------|---|-----------------------|
| 413. | 19UCH5MBE1A  | Analytical Chemistry                                    | Quality Education (4) |
| 414. | 19UMB1CC1P   | General Microbiology & Microbial Physiology -Practicals | Quality Education (4) |
| 415. | 19UMB3AC3    | Biostatistics   | Quality Education (4) |
| 416. | 19UMB3AC2P   | Biostatistics and Bioinformatics Practicals             | Quality Education (4) |
| 417. | 19UMB4AC4    | Computer Application in Biology                         | Quality Education (4) |
| 418. | 19UMB5CC7    | Molecular Biology                                       | Quality education (4) |
| 419. | 19UMB5SBE2BP | Solid Waste Management Practical                        | Quality education (4) |
| 420. | 19UMB5SBE3BP | Vermitechnology Practical                               | Quality education (4) |
| 421. | 19UMB6MBE2A  | Microbial Biotechnology                                 | Quality education (4) |
| 422. | 19UMB6MBE3A  | Recombinant DNA Technology                              | Quality education (4) |
| 423. | 19UMB6MBE3B  | Biological Techniques                                   | Quality education (4) |
| 424. | 19UBT2AC2    | Bioinstrumentation                                      | Quality Education (4) |
| 425. | 19UBT4SBE1B  | Bioinformatics  | Quality education (4) |
| 426. | 19UBT5CC7    | Biostatistics and Biosafety                             | Quality education (4) |
| 427. | 19UTA3AC3    | Idhazhiyal  | Quality Education (4) |
| 428. | 19UTA6MBE3A  | Sutrulaaviyal   | Quality Education (4) |
| 429. | 19PEN2CC6    | Translation Theory & Practice                           | Quality education (4) |
| 430. | 19PEN2CC8    | Literary Criticism – I                                  | Quality education (4) |
| 431. | 19PEN3CC10   | Research Methodology                                    | Quality education (4) |
| 432. | 19PEN3CC11   | English Literature for UGC Examinations                 | Quality education (4) |
| 433. | 19PEN3CC12   | Literary Criticism – II                                 | Quality education (4) |
| 434. | 19PEN3EC3A   | Academic Writing  | Quality education (4) |
| 435. | 19PEN3EC3B   | English for Career Advancement                          | Quality education (4) |
| 436. | 19PCH2EC1B   | Forensic Chemistry                                      | Quality Education (4) |
| 437. | 19PCH4EC5A   | Chemistry of Nanoscience                                | Quality Education (4) |
| 438. | 19PCH4PW     | Project Work  | Quality Education (4) |
| 439. | 19PMB2CC5    | Microbial Metabolism                                    | Quality education (4) |



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## **CRITERION I**

| 440. | 19PMB2CC2P  | Microbial Metabolism and Immunology Practicals                             | Quality education (4)                       |
|------|-------------|--|---|
| 441. | 19PMB2EC1A  | Microbial Techniques   | Quality education (4)                       |
| 442. | 19PMB2EC1C  | Microbial Cytology   | Quality education (4)                       |
| 443. | 20PMB3EC3A  | Microbiology for Competitive Examination                                   | Quality education (4)                       |
| 444. | 19PMB3EC4A  | Recombinant DNA Technology   | Quality education (4)                       |
| 445. | 19PMB3EC4B  | Microbes in Solid Waste Management   | Quality education (4)                       |
| 446. | 19PMB3EC4C  | Microbial Nanotechnology   | Quality education (4)                       |
| 447. | 19PMB4CC9   | Microbial Biotechnology  | Quality education (4)                       |
| 448. | 19PMB4CC10  | Molecular Biology & Microbial Genetics                                     | Quality education (4)                       |
| 449. | 19PMB4EC5A  | Bioinformatics & Biostatistics   | Quality education (4)                       |
| 450. | 19PMB4EC5C  | Molecular taxonomy and phylogeny   | Quality education (4)                       |
| 451. | 19PMB4CC4P  | Microbial Biotechnology, Molecular Biology & Microbial Genetics Practicals | Quality education (4)                       |
| 452. | 19USW1CC1   | Introduction to Social Work  | Reduced Inequalities (10)                   |
| 453. | 19USW3AC3   | Social Legislations  | Reduced Inequalities (10)                   |
| 454. | 19USW3NME1  | Human Rights   | Reduced Inequalities (10)                   |
| 455. | 19USW4NME2  | Women Rights and Laws  | Reduced Inequalities (10)                   |
| 456. | 19USW5MBE1B | Welfare of Vulnerable  | Reduced Inequalities (10)                   |
| 457. | 19USW6CC11  | Welfare of Persons with Disabilities                                       | Reduced Inequalities (10)                   |
| 458. | 19PSW1CC1   | Introduction to Social Work  | Reduced Inequalities (10)                   |
| 459. | 20PSW3CC6   | Structure and Functions of Social Work for<br>Competitive Exams            | Reduced Inequalities (10)                   |
| 460. | 20PSW4EC4B  | Social Inclusion of the Marginalized                                       | Reduced Inequalities (10)                   |
| 461. | 19PEN4CC13  | Indian Diasporic Literature  | Reduced inequality (10)                     |
| 462. | 19UND1CC1   | Food Science   | Responsible consumption & production (12)   |
| 463. | 19PFS1CC1   | Advanced Food Science  | Responsible consumption & production (12)   |
| 464. | 19UBA1AC1   | Managerial Economics   | Responsible Consumption and Production (12) |
| 465. | 19UBA4NME2  | Export Import Management   | Responsible Consumption and Production (12) |



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## **CRITERION I**

| 166  | 10110 1 (1 (1) (2)      | CLI ID : M  | B 31 C 3 1B 1 3 (12)                        |
|------|-------------------------|---|---|
| 466. | 19UBA6MBE2B             | Global Business Management                            | Responsible Consumption and Production (12) |
| 467. | 19UBA6MBE3A             | Operations Management                                 | Responsible Consumption and Production (12) |
| 468. | 19UCO1AC1               | Business Economics – I                                | Responsible Consumption and Production (12) |
| 469. | 19UCH5SBE2AP            | Chemistry of Consumer Products (P)                    | Responsible Consumption and Production (12) |
| 470. | 16SCCBT8                | Microbial Biotechnology                               | Responsible Consumption and Production (12) |
| 471. | 19UBT6MBE2A             | Environmental Biotechnology                           | Responsible Consumption and Production (12) |
| 472. | 19PPH1CC3               | Electronics   | Responsible Consumption and Production (12) |
| 473. | 19PMA3EC2A              | Computational numerical analysis                      | Sustainable cities and communities          |
| 474. | 19PMA3EC3A              | Probability Theory and Machine Learning               | Sustainable cities and communities          |
| 475. | 19PMA4EC4A              | Optimization Techniques                               | Sustainable cities and communities          |
| 476. | 19PMA4EC4B              | Fuzzy Sets and their Applications                     | Sustainable cities and communities          |
| 477. | 19UEN1AC1               | Social History of England                             | Sustainable cities and communities (11)     |
| 478. |                         | Community Development                                 | Sustainable cities and communities (11)     |
|      | 19USW5CC8               | (Rural /Urban/ /Tribal)                               |   |
| 479. | 19UMA1CC2               | Integral Calculus and Fourier Series                  | Sustainable cities and communities (11)     |
| 480. | 20UMA2CC3               | Analytical Geometry and Vector Calculus               | Sustainable cities and communities (11)     |
| 481. | 19UCS1AC1/              | Essential Mathematics                                 | Sustainable cities and communities (11)     |
|      | 19UCA1AC1/              |   |   |
|      | 19UIT1AC1               |   |   |
| 482. | 19UCS1AC2/              | Numerical Analysis and Statistics                     | Sustainable cities and communities (11)     |
|      | 19UCA1AC2               |   |   |
| 483. | 19UIT1AC2<br>19UCS2AC3/ | Operations Research                                   | Sustainable cities and communities (11)     |
| 403. | 19UCS2AC3/              | Operations Research                                   | Sustamable cities and communities (11)      |
|      | 19UIT2AC3               |   |   |
| 484. | 19UMA5CC9               | Statics   | Sustainable cities and communities (11)     |
| 485. | 19UMA5CC10              | Methods in Numerical Analysis                         | Sustainable cities and communities (11)     |
| 486. | 19UMA5CC1P              | Numerical Methods with MATLAB Programming (Practical) | Sustainable cities and communities (11)     |
| 487. | 19UMA5SBE1A             | Introduction to R                                     | Sustainable cities and communities (11)     |



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## **CRITERION I**

| 488. | 19UMA6CC13  | Dynamics                                  | Sustainable cities and communities (11) |
|------|-------------|---|---|
| 489. | 19UMA6CC14  | Operations Research                       | Sustainable cities and communities (11) |
| 490. | 19UMA6MBE2A | Graph Theory                              | Sustainable cities and communities (11) |
| 491. | 19UMA6MBE3A | Fuzzy Sets and Systems                    | Sustainable cities and communities (11) |
| 492. | 19UPH1CC1   | Properties of Matter, Waves and Acoustics | Sustainable cities and communities (11) |
| 493. | 19UPH3NME1  | Troubleshooting of Electrical Appliances  | Sustainable cities and communities (11) |
| 494. | 19UPH5CC5   | Optics                                    | Sustainable Cities and Communities (11) |
| 495. | 19UPH6MBE2A | Communication Physics                     | Sustainable Cities and Communities (11) |
| 496. | 19UPH6MBE2B | Computational Physics                     | Sustainable cities and communities (11) |
| 497. | 19UPH6MBE3B | Astrophysics and Cosmology                | Sustainable cities and communities (11) |
| 498. | 19UCH3NME1  | Chemistry in Everyday Life                | Sustainable Cities and Communities (11) |
| 499. | 19UGES      | Environmental Studies                     | Sustainable Cities and Communities (11) |
| 500. | 20PSW2CC5   | Community Organisation and Social Action  | Sustainable cities and communities (11) |
| 501. | 20PSW3CC7D  | Rural & Tribal Community Development      | Sustainable cities and communities (11) |
| 502. | 20PSW3CC8D  | Urban Community Development               | Sustainable cities and communities (11) |
| 503. | 20PSW4CC9D  | Development Planning, Policy and Practice | Sustainable cities and communities (11) |
| 504. | 19PPH2EC1A  | Microprocessor and Microcontroller        | Sustainable Cities and Communities (11) |
| 505. | 19PPH3CC7   | Statistical Mechanics                     | Sustainable Cities and Communities (11) |
| 506. | 19PPH4EC4A  | Nonlinear Optics                          | Sustainable Cities and Communities (11) |
| 507. | 19PPH4EC5B  | Astrophysics                              | Sustainable cities and communities (11) |
| 508. | 19PCH2EC1A  | Green Chemistry                           | Sustainable Cities and Communities (11) |
| 509. | 19PCH4EC4B  | Selected Topics in Chemistry              | Sustainable Cities and Communities (11) |
| 510. | 19UND2CC2   | Human Physiology                          |   |

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**CRITERION I** 

#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

## 2020 -2021

| 1.  | 19UPH4CC4   | Electricity, Magnetism and Electromagnetism | Affordable and Clean Energy (7)     |
|-----|-------------|---|-------------------------------------|
| 2.  | 16SCCPH8    | Nuclear Physics                             | Affordable and Clean Energy (7)     |
| 3.  | 19РРНЗССЗА  | Crystal Growth and Thin Film Physics        | Affordable and clean energy (7)     |
| 4.  | 19PCH4EC5B  | Biofuels                                    | Affordable and Clean Energy(7)      |
| 5.  | 19UGEVS     | Environmental Studies                       | Clean water and sanitation (6)      |
|     |             |   | Climate Action (13)                 |
| 6.  | 19PEN2CC7   | American Literature                         | Climate action(13)                  |
| 7.  | 16SCCND6    | Food Service Management I                   | Decent work & economic growth (8)   |
| 8.  | 16SMBEND1   | Food Standards and Quality Control          | Decent work & economic growth (8)   |
| 9.  | 16SCCND9    | Food Service Management II                  | Decent work & economic growth (8)   |
| 10. | 19PFS4CC9   | Quantity Food production and Service        | Decent Work & Economic Growth (8)   |
| 11. | 19PFS4CC10  | Food Service Management                     | Decent Work & Economic Growth (8)   |
| 12. | 19UEN3AC3   | History of English Literature - I           | Decent work and economic growth     |
| 13. | 19UEN4AC4   | History of English Literature - II          | Decent work and economic growth (8) |
| 14. | 19USW1AC    | Basics Of Economics and Political System    | Decent work and Economic Growth (8) |
| 15. | 16AMBESW3   | Social work in Industry                     | Decent work and Economic Growth (8) |
| 16. | 19UBA3CC5   | Organisational Psychology                   | Decent Work and Economic Growth (8) |
| 17. | 19UMA1CC1   | Differential Calculus and Trigonometry      | Decent Work And Economic Growth (8) |
| 18. | 19UMA1AC1   | Mathematical Statistics – I                 | Decent Work And Economic Growth (8) |
| 19. | 19UMA2AC1P  | Mathematical Statistics – II (Practical)    | Decent Work And Economic Growth (8) |
| 20. | 19UMA2AC2   | Mathematical Statistics – III               | Decent Work And Economic Growth (8) |
| 21. | 19UMB3AC3   | Biostatistics                               | Decent Work and Economic Growth (8) |
| 22. | 19UMA4CC6   | Sequences and Series                        | Decent Work and Economic Growth (8) |
| 23. | 19UCH4SBE1A | Forensic Chemistry                          | Decent Work and Economic Growth (8) |
| 24. | 19UCS1CC1   | Programming in C                            | Decent Work and Economic Growth (8) |
| 25. | 19UCS1CC1P  | Programming in C Lab                        | Decent Work and Economic Growth (8) |



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## **CRITERION I**

| 26. | 19UCS2CC2    | Java Programming                           | Decent Work and Economic Growth (8) |
|-----|--------------|--|-------------------------------------|
| 27. | 19UCS2CC2P   | Java Programming Lab                       | Decent Work and Economic Growth (8) |
| 28. | 19UCS3CC3    | Database Management Systems                | Decent Work and Economic Growth (8) |
| 29. | 19UCS3CC3P   | SQL & PL/SQL Lab                           | Decent Work and Economic Growth (8) |
| 30. | 19UCS3NME1P  | Office Automation Lab                      | Decent Work and Economic Growth (8) |
| 31. | 19UCS4CC4P   | Data Structures Lab using C                | Decent Work and Economic Growth (8) |
| 32. | 19UCS4NME2P  | Multimedia Lab                             | Decent Work and Economic Growth (8) |
| 33. | 19UCS4SBE1AP | PC Packages & Multimedia Lab               | Decent Work and Economic Growth (8) |
| 34. | 19UCS4SBE1BP | Computer Hardware and Trouble Shooting Lab | Decent Work and Economic Growth (8) |
| 35. | 16SCCCS5     | Data structures and Algorithms             | Decent Work and Economic Growth (8) |
| 36. | 16SCCCS6     | Computer Networks                          | Decent Work and Economic Growth (8) |
| 37. | 16SMBECS1:1  | Software Engineering                       | Decent Work and Economic Growth (8) |
| 38. | 16RSBE4:2    | Coreldraw                                  | Decent Work and Economic Growth (8) |
| 39. | 16RSBE4:3    | Dreamweaver                                | Decent Work and Economic Growth (8) |
| 40. | RUGSDC       | Soft Skills Development                    | Decent Work and Economic Growth (8) |
| 41. | 16SCCCS8     | Operating Systems                          | Decent Work and Economic Growth (8) |
| 42. | 16SCCCS9     | Programming in PHP                         | Decent Work and Economic Growth (8) |
| 43. | 16SCCCS6P    | Programming in PHP Lab                     | Decent Work and Economic Growth (8) |
| 44. | 16SMBECS2:1  | Computer Graphics                          | Decent Work and Economic Growth (8) |
| 45. | 16SMBECS1P   | Dotnet Lab                                 | Decent Work and Economic Growth (8) |
| 46. | 19UCA1CC1    | Programming With C                         | Decent work and Economic Growth (8) |
| 47. | 19UCA1CC1P   | Practical I -Programming With C            | Decent work and Economic Growth (8) |
| 48. | 19UCA2CC2P   | Practical II – Data Structures Using C     | Decent work and Economic Growth (8) |
| 49. | 19UCA3CC3    | Database Management Systems                | Decent work and Economic Growth (8) |
| 50. | 19UCA3CC3P   | Practical III-DBMS                         | Decent work and Economic Growth (8) |
| 51. | 19UCA3NME1   | Principles of Internet                     | Decent work and Economic Growth (8) |
| 52. | 19UCA4CC4    | Programming with JAVA                      | Decent work and Economic Growth (8) |
| 53. | 19UCA4CC4P   | Practical IV -Programming with Java        | Decent work and Economic Growth (8) |



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| 54. | 19UCA4SBE1AP | Animation Practical                            | Decent work and Economic Growth (8) |
|-----|--------------|--|-------------------------------------|
| 55. | 16SCCCA5     | Data Structures and Algorithms                 | Decent work and Economic Growth (8) |
| 56. | 16SCCCA6     | Operating Systems                              | Decent work and Economic Growth (8) |
| 57. | 16SMBECA1:1  | Computer Graphics                              | Decent work and Economic Growth (8) |
| 58. | 16SMBECA1:3  | Software Testing                               | Decent work and Economic Growth (8) |
| 59. | 16SCCCA9     | Computer Networks                              | Decent work and Economic Growth (8) |
| 60. | 16SCCCA8     | Programming in PHP                             | Decent work and Economic Growth (8) |
| 61. | 16SCCCA6P    | Programming in PHP(P)                          | Decent work and Economic Growth (8) |
| 62. | 16SMBECA2:1  | Cloud Computing                                | Decent work and Economic Growth (8) |
| 63. | 16SMECA2:2   | Business Process Outsourcing                   | Decent work and Economic Growth (8) |
| 64. | 16SMECA2:3   | Mobile Computing                               | Decent work and Economic Growth (8) |
| 65. | 16SMBECA1P   | LINUX (P)                                      | Decent work and Economic Growth (8) |
| 66. | 16SMBECA2P   | DOT NET LAB                                    | Decent work and Economic Growth (8) |
| 67. | 19UIT1CC1    | Programming in C                               | Decent work and Economic Growth (8) |
| 68. | 19UIT1CC1P   | Programming in C Lab                           | Decent work and Economic Growth (8) |
| 69. | 19UIT1AC1    | Essential Mathematics                          | Decent work and Economic Growth (8) |
| 70. | 19UIT1AC2    | Numerical Analysis and Statistics              | Decent work and Economic Growth (8) |
| 71. | 19UIT2AC3    | Operations Research                            | Decent work and Economic Growth (8) |
| 72. | 19UIT2CC2P   | Data Structures Using C++ Lab                  | Decent work and Economic Growth (8) |
| 73. | 19UIT3CC3    | Database Management Systems                    | Decent work and Economic Growth (8) |
| 74. | 19UIT3CC3P   | DBMS Lab                                       | Decent work and Economic Growth (8) |
| 75. | 19UIT3AC4    | Financial Accounting                           | Decent work and Economic Growth (8) |
| 76. | 19UIT3AC1P   | Computer Applications in Business              | Decent work and Economic Growth (8) |
| 77. | 19UIT3NME1   | Internet and its Usage                         | Decent work and Economic Growth (8) |
| 78. | 19UIT4CC4    | Programming In Java                            | Decent work and Economic Growth (8) |
| 79. | 19UIT4CC4P   | Programming In Java Lab                        | Decent work and Economic Growth (8) |
| 80. | 19UIT4NME2   | Information Security & Cyber Laws              | Decent work and Economic Growth (8) |
| 81. | 16SNMEIT2    | Information Security: Principles and Practices | Decent work and Economic Growth (8) |



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**CRITERION I** 

| 82.  | 16SCCIT7    | Operating Systems   | Decent work and Economic Growth (8) |
|------|-------------|---|-------------------------------------|
| 83.  | 16SMBEIT1:1 | Software Engineering                                      | Decent work and Economic Growth (8) |
| 84.  | 16SMBEIT1:2 | E-Commerce  | Decent work and Economic Growth (8) |
| 85.  | 16SMBEIT1:3 | Business Process Outsourcing                              | Decent work and Economic Growth (8) |
| 86.  | 16SCCIT9    | Database Systems  | Decent work and Economic Growth (8) |
| 87.  | 16SMBEIT2:1 | Web Design  | Decent work and Economic Growth (8) |
| 88.  | 16SMBEIT2:2 | Programming in PHP  | Decent work and Economic Growth (8) |
| 89.  | 16SMBEIT2:3 | Cloud Computing   | Decent work and Economic Growth (8) |
| 90.  | 16SMBEIT2P  | Programming In PHP Lab                                    | Decent work and Economic Growth (8) |
| 91.  | 19UMB4SBE1A | Mushroom Technology                                       | Decent work and economic growth (8) |
| 92.  | 16SCCMB6    | Agricultural and Environmental Microbiology               | Decent work and economic growth (8) |
| 93.  | 20PSW1EC1A  | Human Resource Development                                | Decent work and Economic Growth (8) |
| 94.  | 19PSW3CC10C | Human Resource Management                                 | Decent work and Economic Growth (8) |
| 95.  | 19PSW3CC11C | Labour Laws And Industrial Relations                      | Decent work and Economic Growth (8) |
| 96.  | 19PMA1CC2   | Ordinary Differential Equations                           | Decent Work and Economic Growth (8) |
| 97.  | 19PMA1CC3   | Integral Equations, Calculus of Variations and Transforms | Decent Work and Economic Growth (8) |
| 98.  | 19PMA1CC4   | Algebraic Number Theory                                   | Decent Work and Economic Growth (8) |
| 99.  | 19PMA2EC1A  | Partial Differential Equations                            | Decent Work and Economic Growth (8) |
| 100. | 19PCH3EC3A  | Instrumentation Techniques                                | Decent Work and Economic Growth (8) |
| 101. | 19РСНЗЕСЗВ  | Intellectual Property Rights                              | Decent Work and Economic Growth (8) |
| 102. | 19PCS1CC2   | Design and Analysis of Algorithms                         | Decent Work and Economic Growth (8) |
| 103. | 19PCS1CC3   | Web Technologies  | Decent Work and Economic Growth (8) |
| 104. | 19PCS1CC4   | Distributed Operating Systems                             | Decent Work and Economic Growth (8) |
| 105. | 19PCS2CC5   | Data Mining and Warehousing                               | Decent Work and Economic Growth (8) |
| 106. | 19PCS2CC2P  | Data Mining Lab and MatLab                                | Decent Work and Economic Growth (8) |
| 107. | 19PCS2CC6   | Artificial Intelligence                                   | Decent Work and Economic Growth (8) |
| 108. | 19PCS2EC2B  | Advanced Database System                                  | Decent Work and Economic Growth (8) |
| 109. | 19PCS2EC2C  | Software Project Management                               | Decent Work and Economic Growth (8) |



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| 110. | P16CS32      | Compiler Design                            | Decent Work and Economic Growth (8) |
|------|--------------|--|-------------------------------------|
| 111. | P16CSE3A     | Parallel Processing                        | Decent Work and Economic Growth (8) |
| 112. | P16CS42      | Wireless Sensor Networks                   | Decent Work and Economic Growth (8) |
| 113. | 19PMB2EC1B   | Organic Farming                            | Decent Work and Economic Growth (8) |
| 114. | 19PMB2EC2A   | Biofertilizer Technology                   | Decent Work and Economic Growth (8) |
| 115. | 19UIT4SBE1AP | Web Development Tool                       | Decent work and Economic Growth(8)  |
| 116. | 16SCCIT8     | Mobile Computing                           | Decent work and Economic Growth(8)  |
| 117. | 16SCCIT6P    | Database Systems Lab                       | Decent work and Economic Growth(8)  |
| 118. | 16SMBEIT1P   | Dot Net Lab                                | Decent work and Economic Growth(8)  |
| 119. | 19PCS1CC1P   | Web Technologies Lab                       | Decent Work and Economic Growth(8)  |
| 120. | 19UEN1CC2    | Short Stories                              | Gender equality (5)                 |
| 121. | 19UEN2CC4    | Fiction                                    | Gender equality (5)                 |
| 122. | 19UEN3CC5    | One Act Plays                              | Gender equality (5)                 |
| 123. | 16ACCEN9     | Shakespeare                                | Gender equality (5)                 |
| 124. | 16ACCEN14    | Commonwealth Literature                    | Gender equality (5)                 |
| 125. | 19PEN1CC1    | British Literature – I (1340-1798)         | Gender equality (5)                 |
| 126. | 19PEN1CC2    | Shakespeare                                | Gender equality (5)                 |
| 127. | 19PEN1CC4    | Women's Writing                            | Gender equality (5)                 |
| 128. | 19PEN1EC1B   | European Literature                        | Gender equality (5)                 |
| 129. | 19PEN2CC5    | British Literature – II (1799-Present Age) | Gender equality (5)                 |
| 130. | 19PEN2EC2B   | Post-Colonial Studies                      | Gender equality (5)                 |
| 131. | 19PEN3CC9    | Asian Literature in English                | Gender equality (5)                 |
| 132. | 19PEN4EC5A   | North East Indian Literature               | Gender equality (5)                 |
| 133. | 19PEN4EC5B   | Post-Modern Fiction                        | Gender equality (5)                 |
| 134. | 19PSW3CC10B  | Women Welfare and Health                   | Gender Equality (5)                 |
| 135. | 19PTA4EC5A   | Penniyam                                   | Gender Equality (5)                 |
| 136. | 19UND1AC1    | Food Microbiology                          | Good Health and Well – Being (3)    |
| 137. | 19UND3CC3    | Principles of Nutrition                    | Good Health and Well – Being (3)    |



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| 138. | 19UND3NME1  | Basics in Nutrition                             | Good Health and Well – Being (3) |
|------|-------------|---|----------------------------------|
| 139. | 19UND4NME2  | Nutrition for the family                        | Good Health and Well – Being (3) |
| 140. | 16SCCND5    | Dietetics I                                     | Good Health and Well – Being (3) |
| 141. | 16SCCND8    | Dietetics II                                    | Good Health and Well – Being (3) |
| 142. | 19UCH4NME2  | Food Adulterants and Health Care                | Good Health and Well – Being (3) |
| 143. | 19UCH4SBE1B | Food Chemistry                                  | Good Health and Well – Being (3) |
| 144. | 16SMBECH3:2 | Pharmaceutical Chemistry                        | Good Health and Well – Being (3) |
| 145. | 19PCH3EC2A  | Pharmaceutical Chemistry                        | Good Health and Well – Being (3) |
| 146. | 19UMB1AC1   | Fundamentals of Biochemistry -I                 | Good health and well-being (3)   |
| 147. | 19UMB2AC2   | Fundamentals of Biochemistry-II                 | Good health and well-being (3)   |
| 148. | 19UMB3CC3   | Introductory Virology                           | Good health and well-being (3)   |
| 149. | 19UMB3CC2P  | Introductory Virology and Immunology Practicals | Good health and well-being (3)   |
| 150. | 19UMB3NME1  | Herbal Medicine                                 | Good health and well-being (3)   |
| 151. | 19UMB4CC4   | Immunology                                      | Good health and well-being (3)   |
| 152. | 19UMB4NME2  | Pharmacognosy                                   | Good health and well-being (3)   |
| 153. | 19UMB4SBE1B | Clinical Parasitology                           | Good health and well-being (3)   |
| 154. | 16SCCMB5    | Medical Microbiology                            | Good health and well-being (3)   |
| 155. | 19UBT3CC3   | rDNA Technology                                 | Good Health and well-being (3)   |
| 156. | 19UBT4CC4   | Immunology                                      | Good Health and well-being (3)   |
| 157. | 16SMBEBT3   | Immunotechnology                                | Good Health and well-being (3)   |
| 158. | 19PPH2EC2B  | Biomechanics and Bio Physics                    | Good Health and well-being (3)   |
| 159. | 19PMB1CC2   | Biological macromolecules                       | Good Health and Well-Being (3)   |
| 160. | 19PMB1CC3   | Virology  | Good Health and Well-Being (3)   |
| 161. | 19PMB2CC5   | Microbial Metabolism                            | Good Health and Well-Being (3)   |
| 162. | 19PMB2CC6   | Immunology                                      | Good Health and Well-Being (3)   |
| 163. | 19PMB2CC2P  | Microbial Metabolism and Immunology Practicals  | Good Health and Well-Being (3)   |
| 164. | 19PMB2EC2B  | Public Health Microbiology                      | Good Health and Well-Being (3)   |
| 165. | 19PMB3CC8   | Clinical Microbiology                           | Good Health and Well-Being (3)   |



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| 166. | 19PMB3EC3B   | Food Adulteration                              | Good Health and Well-Being (3)         |
|------|--------------|--|--|
| 167. | 19PMB3EC3C   | Biomedical Laboratory Technology               | Good Health and Well-Being (3)         |
| 168. | 19PFS1CC2    | Human Nutrition and Public Health              | Good Health and Well-Being (3)         |
| 169. | 19PFS1CC3    | Biochemical Changes in Diseases                | Good Health and Well-Being (3)         |
| 170. | 19PFS1CC4    | Advanced Dietetics I                           | Good Health and Well-Being (3)         |
| 171. | 19PFS2CC5    | Advanced Dietetics II                          | Good Health and Well-Being (3)         |
| 172. | 19PFS2EC1A   | Functional Foods and Nutraceuticals            | Good Health and Well-Being (3)         |
| 173. | 19PFS2EC1B   | Paediatric Nutritional Care                    | Good Health and Well-Being (3)         |
| 174. | 19PFS2EC2A   | Applied Physiology                             | Good Health and Well-Being (3)         |
| 175. | 19PFS2EC2B   | Nutrition for fitness                          | Good Health and Well-Being (3)         |
| 176. | 19PFS3EC3B   | Nutrition in Clinical Critical Care            | Good Health and Well-Being (3)         |
| 177. | 19USW2CC4    | Human Growth and Development                   | Good Health and Wellbeing (3)          |
| 178. | 19USW4CC6    | Social Welfare Administration                  | Good Health and Wellbeing (3)          |
| 179. | 19USW4AC4    | Health Care Services                           | Good Health and Wellbeing (3)          |
| 180. | 19USW4SBE1A  | Stress Management                              | Good Health and Wellbeing (3)          |
| 181. | 19USW4SBE1B  | Life Skills                                    | Good Health and Wellbeing (3)          |
| 182. | 16ACCSW11    | Family and Child Welfare                       | Good Health and Wellbeing (3)          |
| 183. | 16ACCSW12    | Introduction to Counselling                    | Good Health and Wellbeing (3)          |
| 184. | 20PSW2EC2A   | Counselling: Theory and Practice               | Good Health and Wellbeing (3)          |
| 185. | 20PSW2EC3B   | Health and Hygiene                             | Good Health and Wellbeing (3)          |
| 186. | 20PSW2EC2B   | Family Social Work                             | Good Health and Wellbeing (3)          |
| 187. | 19PSW3CC10A  | Public Health                                  | Good Health and Wellbeing (3)          |
| 188. | 19PSW3CC11A  | Medical Social Work                            | Good Health and Wellbeing (3)          |
| 189. | 19PSW3CC11B  | Child Rights and Child Protection              | Good Health and Wellbeing (3)          |
| 190. | 19PSW3EC3B   | Life Skills and Soft Skills for Social Workers | Good Health and Wellbeing (3)          |
| 191. | 19PSW4CC13A  | Psychiatric Social Work                        | Good Health and Wellbeing (3)          |
| 192. | 19PSW4CC13B  | Welfare of the Youth and Aged                  | Good Health and Wellbeing (3)          |
| 193. | 19UCA4SBE1BP | HTML5 Practical                                | Industry Innovation and Infrastructure |



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| 194. | 19UBA2CC3    | Elements of Marketing   | Industry Innovation and Infrastructure (9) |
|------|--------------|---|--|
| 195. | 19UBA2AC2    | Business Environment  | Industry Innovation and Infrastructure (9) |
| 196. | 19UBA3CC1P   | Computer Applications Package for Managers – Ms word          | Industry Innovation and Infrastructure (9) |
| 197. | 19UBA4CC2P   | Computer Applications Package for Managers - Tally            | Industry Innovation and Infrastructure (9) |
| 198. | 19UBA4SBE1A  | E - Business  | Industry Innovation and Infrastructure (9) |
| 199. | 19UCO3CC6    | Banking Theory Law & Practices                                | Industry Innovation and Infrastructure (9) |
| 200. | 19UCO3NME1   | Elements of Insurance   | Industry Innovation and Infrastructure (9) |
| 201. | 19UCO4CC1P   | Information Technology - Practicals                           | Industry Innovation and Infrastructure (9) |
| 202. | 19UCO4SBE1B  | Green Marketing   | Industry Innovation and Infrastructure (9) |
| 203. | 19UCC1CC2    | Modern Management Concepts                                    | Industry Innovation and Infrastructure (9) |
| 204. | 20UCC2CC3    | Modern Marketing  | Industry Innovation and Infrastructure (9) |
| 205. | 19UCC3NME1   | Elements of Insurance   | Industry Innovation and Infrastructure (9) |
| 206. | 19UCC4SBE1B  | Green Marketing   | Industry Innovation and Infrastructure (9) |
| 207. | 19UCA2CC2    | Data Structures   | Industry Innovation and Infrastructure (9) |
| 208. | 16SCCCA7     | Digital Computer Fundamentals                                 | Industry Innovation and Infrastructure (9) |
| 209. | 16SCCCA5P    | Computer Graphics and Animation (P                            | Industry Innovation and Infrastructure (9) |
| 210. | 16SMBECA1:2  | Software Engineering  | Industry Innovation and Infrastructure (9) |
| 211. | 19UIT2CC2    | Data Structures and C++                                       | Industry Innovation and Infrastructure (9) |
| 212. | 19UIT4SBE1BP | Animation Tool  | Industry Innovation and Infrastructure (9) |
| 213. | 16SCCIT5     | Data Structures and Algorithms                                | Industry Innovation and Infrastructure (9) |
| 214. | 16SCCIT6     | Computer Networks   | Industry Innovation and Infrastructure (9) |
| 215. | 16SCCIT5P    | Computer Graphics and Animation Lab                           | Industry Innovation and Infrastructure (9) |
| 216. | 19PCO1CC2    | Managerial Economics  | Industry Innovation and Infrastructure (9) |
| 217. | 19PCO1CC3    | Corporate Laws  | Industry Innovation and Infrastructure (9) |
| 218. | 19PCO1CC4    | Strategic Management  | Industry Innovation and Infrastructure (9) |
| 219. | 19PCO1EC1A   | Business Ethics, Corporate Social Responsibility & Governance | Industry Innovation and Infrastructure (9) |
| 220. | 19PCO1EC1B   | Services Marketing  | Industry Innovation and Infrastructure (9) |
| 221. | 19PCO2EC2A   | Retail Management   | Industry Innovation and Infrastructure (9) |



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| 222. | 19PCO2EC2B  | International Trade Finance                          | Industry Innovation and Infrastructure (9)  |
|------|-------------|--|---|
| 223. | 19PCO3CC10  | Business Research Methods – I                        | Industry Innovation and Infrastructure (9)  |
| 224. | 19PCO3EC3A  | Digital Marketing                                    | Industry Innovation and Infrastructure (9)  |
| 225. | 19PCO4CC2P  | Business Research Methods – II (Practicals)          | Industry Innovation and Infrastructure (9)  |
| 226. | 19PCO4EC5A  | Entrepreneurship & New Venture Creation              | Industry Innovation and Infrastructure (9)  |
| 227. | 19PCO4EC5B  | Project Management                                   | Industry Innovation and Infrastructure (9)  |
| 228. | 19UND4SBE1B | Basics in Food Production                            | Industry, innovation and infrastructure     |
| 229. | 19UPH2CC2   | Mechanics and Relativity                             | Industry, Innovation and Infrastructure (9) |
| 230. | 16SCCPH7    | Electronics  | Industry, Innovation and Infrastructure (9) |
| 231. | 16SMBECH1:2 | Material & Nano Chemistry                            | Industry, Innovation and Infrastructure (9) |
| 232. | 16MBECH2    | Nuclear, Industrial Chemistry and Metallic State     | Industry, Innovation and Infrastructure (9) |
| 233. | 16SMBECH3:1 | Polymer Chemistry                                    | Industry, Innovation and Infrastructure (9) |
| 234. | 16SCCMB8    | Food Microbiology                                    | Industry, innovation and infrastructure (9) |
| 235. | 16SCCMB9    | Industrial Microbiology                              | Industry, innovation and infrastructure (9) |
| 236. | 16SCCMB4P   | Food and Industrial Microbiology (P)                 | Industry, innovation and infrastructure (9) |
| 237. | 19PPH3EC3B  | Material Characterization and Measurement Techniques | Industry, Innovation and Infrastructure (9) |
| 238. | 19PPH4EC4A  | Nonlinear Optics                                     | Industry, Innovation and Infrastructure (9) |
| 239. | 19PPH4EC4B  | Space Physics  | Industry, Innovation and Infrastructure (9) |
| 240. | 19PPH4EC5A  | Nanophysics  | Industry, Innovation and Infrastructure (9) |
| 241. | 19PCH4EC4A  | Industrial Chemistry                                 | Industry, Innovation and Infrastructure (9) |
| 242. | 19PCS2EC1A  | Network Security                                     | Industry, innovation and infrastructure (9) |
| 243. | 19PCS2EC2A  | Bioinformatics                                       | Industry, innovation and infrastructure (9) |
| 244. | P16CS41     | Cloud Computing                                      | Industry, innovation and infrastructure (9) |
| 245. | P16CSE5A    | Big Data Analytics                                   | Industry, innovation and infrastructure (9) |
| 246. | P16CS43P    | Open Source Lab                                      | Industry, innovation and infrastructure (9) |
| 247. | 19PMB3CC7   | Industrial Microbiology                              | Industry, Innovation and Infrastructure (9) |
| 248. | 19PFS2CC6   | Hospital Administration                              | Industry, innovation and infrastructure (9) |
| 249. | 19PFS3EC4A  | Food Product Development                             | Industry, Innovation and Infrastructure (9) |



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| 250. | 19PFS3EC4B | Basic Food Analytical Techniques          | Industry, Innovation and Infrastructure (9)  |
|------|------------|---|--|
| 251. | 19PPH1CC2  | Classical Dynamics and Relativity         | Industry, Innovation, and Infrastructure (9) |
| 252. | 19PPH1CC4  | Quantum Mechanics-I                       | Industry, Innovation, and Infrastructure (9) |
| 253. | 19PPH2CC5  | Electromagnetic Theory                    | Industry, Innovation, and Infrastructure (9) |
| 254. | 19PPH2CC6  | Quantum Mechanics – II                    | Industry, Innovation, and Infrastructure (9) |
| 255. | 19PPH2EC2A | Numerical Methods and C++ Programming     | Industry, Innovation, and Infrastructure (9) |
| 256. | 19PPH3CC8  | Solid State Physics                       | Industry, Innovation, and Infrastructure (9) |
| 257. | 19PPH4CC10 | Nuclear and Particle Physics              | Industry, Innovation, and Infrastructure (9) |
| 258. | 19PMB2EC2C | Marine Microbiology                       | Life below Water (14)                        |
| 259. | 16ACCEN12  | Indian Culture and Literature             | Life on land (15)                            |
| 260. | 16ACCEN13  | Indian Writing in English                 | Life on land (15)                            |
| 261. | 16AMBESW1  | Disaster management                       | Life on Land (15)                            |
| 262. | 19UPH3CC3  | Thermal Physics and Statistical Mechanics | Life on land (15)                            |
| 263. | 19UMB1CC1  | General Microbiology                      | Life on land (15)                            |
| 264. | 19UMB2CC2  | Microbial Physiology                      | Life on land (15)                            |
| 265. | 16SMBEMB1  | Fundamentals of Botany and Zoology        | Life on land (15)                            |
| 266. | 19UBT3AC3  | Biochemistry                              | Life on Land (15)                            |
| 267. | 19UBT3AC2P | Lab in Biochemistry                       | Life on Land (15)                            |
| 268. | 19UBT3NME1 | NME- Basics of Biotechnology              | Life on Land (15)                            |
| 269. | 16SCCBT6   | Animal Biotechnology                      | Life on Land (15)                            |
| 270. | 19UTA2AC2  | Thamizhaga Varalaarum Panpaadum           | Life on Land (15)                            |
| 271. | 19UTA3CC6  | Samaya Ilakkiyam                          | Life on Land (15)                            |
| 272. | 19UTA4CC8  | Kappiyangal                               | Life on Land (15)                            |
| 273. | 19PEN1CC3  | Indian English Literature                 | Life on land (15)                            |
| 274. | 19PSW4EC4A | Disaster Management                       | Life on Land (15)                            |
| 275. | 19PMB1CC1  | Essentials of Microbiology                | Life on Land (15)                            |
| 276. | 19PTA1CC3  | Samaya Ilakkiyam                          | Life on Land (15)                            |
| 277. | 19PTA2CC7  | Kaappiyangal                              | Life on Land (15)                            |

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| 278. | 19PTA3CC10 | Sanga Ilakkiyam                                      | Life on Land (15)                    |
|------|------------|--|--------------------------------------|
| 279. | 19PTA4EC4B | Panbaattu Manidaviyal                                | Life on Land (15)                    |
| 280. | 19UBT1CC1  | Cell Biology   | Life on Land (15)                    |
|      |            |  | Life below Water (14)                |
| 281. | 19UBT2CC2  | Molecular Biology                                    | Life on Land (15)                    |
| 202  | 10110000   |  | Life below Water (14)                |
| 282. | 19UBT1AC1  | General Microbiology                                 | Life on Land (15)                    |
| 283. | 19USW1CC2  | Structure of Indian Society And Indian Problems      | Life below Water (14) No Poverty (1) |
| 284. | 19UCO2AC2  | Business Economics - II                              | No Poverty (1)                       |
|      |            |  |                                      |
| 285. | 16SCCBT5   | Plant Biotechnology                                  | No Poverty (1)                       |
| 286. | 16SCCBT5P  | Plant and Animal Biotechnology (P)                   | No Poverty (1)                       |
| 287. | 16SMBEBT2  | Food Technology                                      | No Poverty (1)                       |
| 288. | 19UE1      | Functional Grammar for Effective Communication - I   | Partnership for the goals (17)       |
| 289. | 19UE2      | Functional Grammar for Effective Communication II    | Partnership for the goals (17)       |
| 290. | 19UEN2AC2  | Literary Forms                                       | Partnership for the goals (17)       |
| 291. | 19UE3      | Reading and Writing for Effective Communication - I  | Partnership for the goals (17)       |
| 292. | 19UEN3NME1 | Presentation Skills in English                       | Partnership for the goals (17)       |
| 293. | 19UE4      | Reading and Writing for Effective Communication - II | Partnership for the goals (17)       |
| 294. | 19UEN4CC8  | Introduction to Language and Linguistics             | Partnership for the goals (17)       |
| 295. | 16ACCEN15  | English Language Teaching                            | Partnership for the goals (17)       |
| 296. | 16AMBEEN3  | English for Competitive Examinations                 | Partnership for the goals (17)       |
| 297. | 19UPH4NME2 | Audio and Video System                               | Partnership for the Goals (17)       |
| 298. | 19PEN1EC1A | Linguistics & Rhetoric                               | Partnership for the goals (17)       |
| 299. | 19PEN2EC2A | English Language Teaching                            | Partnership for the goals (17)       |
| 300. | 16SCCPH5   | Optics   | Partnerships for the Goals (17)      |
| 301. | 19PSW1EC1B | NGO Management                                       | Partnerships for the Goals (17)      |
| 302. | 19PSW3EC3A | Corporate Social Responsibility                      | Partnerships for the Goals (17)      |



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| 303. | 19PPH1CC1   | Mathematical Physics                                    | Partnerships for the Goals (17)             |
|------|-------------|---|---|
| 304. | 19PPH2EC1B  | Non- Non-destructive evaluation Techniques              | Partnerships for the Goals (17)             |
| 305. | 16SCCBT9    | IPR and Bioethics                                       | Peace and Justice strong Institutions (16)  |
| 306. | 19UEN1CC1   | Prose   | Peace, justice and strong institutions (16) |
| 307. | 19UEN2CC3   | Poetry - I  | Peace, justice and strong institutions (16) |
| 308. | 19UEN3CC6   | Poetry II   | Peace, justice and strong institutions (16) |
| 309. | 19UEN4CC7   | Drama   | Peace, justice and strong institutions (16) |
| 310. | 16ACCEN11   | American Literature                                     | Peace, justice and strong institutions (16) |
| 311. | 16AMBEEN2   | Journalism  | Peace, justice and strong institutions (16) |
| 312. | 16ACCSW13   | Correctional Social work                                | Peace, justice and Strong Institutions (16) |
| 313. | 19UTA1CC2   | Ikkala Ilakkiyam  | Peace, Justice and Strong Institutions (16) |
| 314. | 19UTA2CC4   | Sitrilakkiyam   | Peace, Justice and Strong Institutions (16) |
| 315. | 19UTA4NME2  | Thamizharin Vazhibadugalum Vizhakkalum                  | Peace, Justice and Strong Institutions (16) |
| 316. | 19PEN4CC14  | New Literature  | Peace, justice and strong institutions (16) |
| 317. | 19PEN4EC4A  | Award Winning Authors (Nobel Laureate 1913 - 2020)      | Peace, justice and strong institutions (16) |
| 318. | 19PEN4EC4B  | Single Author Study – John Milton                       | Peace, justice and strong institutions (16) |
| 319. | 19PTA1CC2   | Ikkala Ilakkiyam-I                                      | Peace, Justice and Strong Institutions (16) |
| 320. | 19PTA2CC6   | Ikkala Ilakkiyam - Ii                                   | Peace, Justice and Strong Institutions (16) |
| 321. | 19PTA3CC11  | Ara Ilakkiyam   | Peace, Justice and Strong Institutions (16) |
| 322. | 19UEN4NME2  | Communication Skills in English                         | Quality education (4)                       |
| 323. | 19UEN4SBE1A | Writing for Media                                       | Quality education (4)                       |
| 324. | 19UEN4SBE1B | Business English  | Quality education (4)                       |
| 325. | 16ACCEN10   | Principles of Literary Criticism                        | Quality education (4)                       |
| 326. | 16AMBEEN1   | Translation: Theory and Practice                        | Quality education (4)                       |
| 327. | 16SMBECH1:1 | Analytical Chemistry                                    | Quality Education (4)                       |
| 328. | 19UMB1CC1P  | General Microbiology & Microbial Physiology -Practicals | Quality Education (4)                       |
| 329. | 19UMB1AC1P  | Fundamentals of Biochemistry I & II Practicals          | Quality Education (4)                       |
| 330. | 19UMB3AC3   | Biostatistics   | Quality Education (4)                       |



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| 331. | 19UMB3AC2P  | Biostatistics and Bioinformatics Practicals                     | Quality Education (4) |
|------|-------------|---|-----------------------|
| 332. | 19UMB4AC4   | Computer Application in Biology                                 | Quality Education (4) |
| 333. | 16SCCMB7    | Molecular Biology and Microbial Genetics                        | Quality education (4) |
| 334. | 16SMBEMB2   | Recombinant DNA Technology                                      | Quality education (4) |
| 335. | 19UBT2AC2   | Bioinstrumentation  | Quality Education (4) |
| 336. | 19UBT4SBE1B | Bioinformatics  | Quality education (4) |
| 337. | 16SCCBT7    | Biostatistics and Biosafety                                     | Quality education (4) |
| 338. | 19UTA3AC3   | Idhazhiyal  | Quality Education (4) |
| 339. | 19PEN2CC6   | Translation Theory & Practice                                   | Quality education (4) |
| 340. | 19PEN2CC8   | Literary Criticism - I  | Quality education (4) |
| 341. | 19PEN3CC10  | Research Methodology  | Quality education (4) |
| 342. | 19PEN3CC11  | English Literature for UGC Examinations                         | Quality education (4) |
| 343. | 19PEN3CC12  | Literary Criticism - II   | Quality education (4) |
| 344. | 19PEN3EC3A  | Academic Writing  | Quality education (4) |
| 345. | 19PEN3EC3B  | English for Career Advancement                                  | Quality education (4) |
| 346. | 19PCH2EC1B  | Forensic Chemistry  | Quality Education (4) |
| 347. | 19PCH4EC5A  | Chemistry of Nanoscience  | Quality Education (4) |
| 348. | 19PMB2EC1A  | Microbial Techniques  | Quality Education (4) |
| 349. | 19PMB2EC1C  | Microbial Cytology  | Quality Education (4) |
| 350. | 20PMB3EC3A  | Recent Trends in Microbiology                                   | Quality Education (4) |
| 351. | 19PMB3EC4A  | Recombinant DNA Technology                                      | Quality Education (4) |
| 352. | 19PMB3EC4B  | Microbes in Solid Waste Management                              | Quality Education (4) |
| 353. | 19PMB3EC4C  | Microbial Nanotechnology  | Quality Education (4) |
| 354. | 19PMB4CC9   | Microbial Biotechnology   | Quality Education (4) |
| 355. | 19PMB4CC10  | Molecular Biology & Microbial Genetics                          | Quality Education (4) |
| 356. | 19PMB4EC5A  | Bioinformatics & Biostatistics                                  | Quality Education (4) |
| 357. | 19PMB4EC5C  | Molecular taxonomy and phylogeny                                | Quality Education (4) |
| 358. | 19PMB4CC4P  | Microbial Biotechnology, Molecular Biology & Microbial Genetics | Quality Education (4) |

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## **CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)**

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## **CRITERION I**

|      |            | Practicals   |   |
|------|------------|--|---|
| 359. | 19USW1CC1  | Introduction to Social Work                                  | Reduced Inequalities (10)                   |
| 360. | 19USW3AC3  | Social Legislations  | Reduced Inequalities (10)                   |
| 361. | 19USW3NME1 | Human Rights   | Reduced Inequalities (10)                   |
| 362. | 19USW4NME2 | Women Rights and Laws  | Reduced Inequalities (10)                   |
| 363. | 16AMBESW2  | Welfare of Persons with Disabilities                         | Reduced Inequalities (10)                   |
| 364. | 19PSW1CC1  | Introduction to Social Work                                  | Reduced Inequalities (10)                   |
| 365. | 19PSW3CC9  | Structure and Functions of Social Work for Competitive Exams | Reduced Inequalities (10)                   |
| 366. | 19PSW4EC4B | Social Inclusion of the Marginalised                         | Reduced Inequalities (10)                   |
| 367. | 19PEN4CC13 | Indian Diasporic Literature                                  | Reduced inequality (10)                     |
| 368. | 19UND1CC1  | Food Science   | Responsible consumption & production        |
| 369. | 16SCCPH6   | Atomic and Molecular Physics                                 | Responsible Consumption and Production      |
| 370. | 19PPH1CC3  | Electronics  | Responsible Consumption and Production      |
| 371. | 19UBA1AC1  | Managerial Economics   | Responsible Consumption and Production (12) |
| 372. | 19UBA4NME2 | Export Import Management                                     | Responsible Consumption and Production (12) |
| 373. | 19UCO1AC1  | Business Economics - I                                       | Responsible Consumption and Production (12) |
| 374. | 16SCCBT8   | Microbial Biotechnology                                      | Responsible Consumption and Production (12) |
| 375. | 16SCCBT6P  | Microbial Biotechnology (P)                                  | Responsible Consumption and Production (12) |
| 376. | 19PFS1CC1  | Advanced Food Science  | Responsible Consumption and Production (12) |
| 377. | 19UEN1AC1  | Social History of England                                    | Sustainable cities and communities (11)     |
| 378. | 16ACCSW14  | Community Development  | Sustainable cities and communities (11)     |
| 379. | 19UMA1CC2  | Integral Calculus and Fourier Series                         | Sustainable cities and communities (11)     |
| 380. | 19UMA2CC3  | Analytical Geometry and Vector Calculus                      | Sustainable cities and communities (11)     |



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| 381. | 19UCS1AC1/              | Essential Mathematics                     | Sustainable cities and communities (11) |
|------|-------------------------|---|---|
|      | 19UCA1AC1/              |   |   |
|      | 19UIT1AC1               |   |   |
| 382. | 19UCS1AC2/              | Numerical Analysis and Statistics         | Sustainable cities and communities (11) |
|      | 19UCA1AC2               |   |   |
| 202  | 19UIT1AC2               |   |   |
| 383. | 19UCS2AC3/              | Operations Research                       | Sustainable cities and communities (11) |
|      | 19UCA2AC3/<br>19UIT2AC3 |   |   |
| 384. | 16SCCMM10               | Numerical Methods with MATLAB Programming | Sustainable cities and communities (11) |
| 385. | 16SCCMM11               | Statics                                   | Sustainable cities and communities (11) |
| 386. | 16SCCMM1P               | Numerical Methods with MATLAB Programming | Sustainable cities and communities (11) |
| 387. | 16SMBEMM 1:1            | Operations Research                       | Sustainable cities and communities (11) |
| 388. | 16SCCMM14               | Dynamics                                  | Sustainable cities and communities (11) |
| 389. | 16SMBEMM 2:1            | Graph Theory                              | Sustainable cities and communities (11) |
| 390. | 19UPH1CC1               | Properties of Matter, Waves and Acoustics | Sustainable cities and communities (11) |
| 391. | 19UPH3NME1              | Troubleshooting of Electrical Appliances  | Sustainable cities and communities (11) |
| 392. | 16SMBEPH1               | Material Science                          | Sustainable cities and communities (11) |
| 393. | 16SMBEPH3               | Communication Physics                     | Sustainable Cities and Communities (11) |
| 394. | 19UCH3NME1              | Chemistry in Everyday Life                | Sustainable Cities and Communities (11) |
| 395. | 19UGES                  | Environmental Studies                     | Sustainable Cities and Communities (11) |
| 396. | 20PSW2CC5               | Community Organisation and Social Action  | Sustainable cities and communities (11) |
| 397. | 19PSW3CC10D             | Rural & Tribal Community Development      | Sustainable cities and communities (11) |
| 398. | 19PSW3CC11D             | Urban Community Development               | Sustainable cities and communities (11) |
| 399. | 19PSW4CC13D             | Development Planning, Policy and Practice | Sustainable cities and communities (11) |
| 400. | 19PMA3EC2A              | Computational numerical analysis          | Sustainable cities and communities (11) |
| 401. | 19PMA3EC3A              | Probability Theory and Machine Learning   | Sustainable cities and communities (11) |
| 402. | 19PMA4EC4A              | Optimization Techniques                   | Sustainable cities and communities (11) |
| 403. | 19PMA4EC4B              | Fuzzy Sets and their Applications         | Sustainable cities and communities (11) |



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## **CRITERION I**

| 404. | 19PPH2EC1A | Microprocessor and Microcontroller  | Sustainable Cities and Communities (11) |
|------|------------|-------------------------------------|---|
| 405. | 19PPH3CC7  | Statistical Mechanics               | Sustainable Cities and Communities (11) |
| 406. | 19PPH3CC9  | Physics for Competitive Examination | Sustainable cities and communities (11) |
| 407. | 19PPH4EC5B | Astrophysics                        | Sustainable cities and communities (11) |
| 408. | 19PCH2EC1A | Green Chemistry                     | Sustainable Cities and Communities (11) |
| 409. | 19PCH4EC4B | Selected Topics in Chemistry        | Sustainable Cities and Communities(11)  |

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**CRITERION I** 

#### COURSES ENSHRINED IN SUSTAINABLE DEVELOPMENTAL GOALS

### 2019 -2020

|        | COURSE     |  |                                     |
|--------|------------|--|-------------------------------------|
| S. No. | CODE       | COURSE TITLE                                 | SDG GOALS                           |
| 1.     | 16SCCPH4   | Electricity, Magnetism and Electro Magnetism | Affordable and Clean Energy (7)     |
| 2.     | 16SCCPH8   | Nuclear Physics                              | Affordable and Clean Energy (7)     |
| 3.     | P16PYE3    | Crystal Growth & Thin Film Physics           | Affordable and Clean Energy (7)     |
| 4.     |            |  | Clean Water and Sanitation (6)      |
|        | 19UGEVS    | Environmental Studies                        | Climate Action (13)                 |
| 5.     | 19PEN2CC7  | American Literature                          | Climate Action (13)                 |
| 6.     | P16EN31    | American Literature                          | Climate Action (13)                 |
| 7.     | 19PFS2CC6  | Hospital Administration                      | Decent work & economic growth (8)   |
| 8.     | P16FSE3    | Hospital Food Service Administration         | Decent Work & Economic Growth (8)   |
| 9.     | 19PMB2EC1B | Organic Farming                              | Decent Work and Economic Growth     |
| 10.    | 19PMB2EC2A | Biofertilizer Technology                     | Decent Work and Economic Growth     |
| 11.    | 16AACEN3   | History of English Literature I              | Decent Work and Economic Growth (8) |
| 12.    | 16AACEN4   | History of English Literature II             | Decent Work and Economic Growth (8) |
| 13.    | 19UMA1CC1  | Differential Calculus and Trigonometry       | Decent Work and Economic Growth (8) |
| 14.    | 19UMA1AC1  | Mathematical Statistics – I                  | Decent Work and Economic Growth (8) |
| 15.    | 19UMA2AC1P | Mathematical Statistics – II (Practical)     | Decent Work and Economic Growth (8) |
| 16.    | 19UMA2AC2  | Mathematical Statistics – III                | Decent Work and Economic Growth (8) |
| 17.    | 16SCCMM5   | Sequences and Series                         | Decent Work and Economic Growth (8) |
| 18.    | 16SCCMM7   | Vector Calculus and Fourier Series           | Decent Work and Economic Growth (8) |
| 19.    | 19UCS1CC1  | Programming in C                             | Decent Work and Economic Growth (8) |
| 20.    | 19UCS1CC1P | Programming in C Lab                         | Decent Work and Economic Growth (8) |
| 21.    | 19UCS2CC2  | Java Programming                             | Decent Work and Economic Growth (8) |
| 22.    | 19UCS2CC2P | Java Programming Lab                         | Decent Work and Economic Growth (8) |



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## **CRITERION I**

| 23. | 16SNMECS1   | Working Principles of Internet         | Decent Work and Economic Growth (8) |
|-----|-------------|--|-------------------------------------|
| 24. | 16SCCCS4    | Database Systems                       | Decent Work and Economic Growth (8) |
| 25. | 16SCCCS4P   | Database Systems Lab                   | Decent Work and Economic Growth (8) |
| 26. | 16SNMECS2   | Fundamentals of Information Technology | Decent Work and Economic Growth (8) |
| 27. | 16SCCCS5    | Data structures and Algorithms         | Decent Work and Economic Growth (8) |
| 28. | 16SCCCS6    | Computer Networks                      | Decent Work and Economic Growth (8) |
| 29. | 16SMBECS1:1 | Software Engineering                   | Decent Work and Economic Growth (8) |
| 30. | 16RSBE4:2   | Coreldraw                              | Decent Work and Economic Growth (8) |
| 31. | 16RSBE4:3   | Dreamweaver                            | Decent Work and Economic Growth (8) |
| 32. | RUGSDC      | Soft Skills Development                | Decent Work and Economic Growth (8) |
| 33. | 16SCCCS8    | Operating Systems                      | Decent Work and Economic Growth (8) |
| 34. | 16SCCCS9    | Programming in PHP                     | Decent Work and Economic Growth (8) |
| 35. | 16SCCCS6P   | Programming in PHP Lab                 | Decent Work and Economic Growth (8) |
| 36. | 16SMBECS2:1 | Computer Graphics                      | Decent Work and Economic Growth (8) |
| 37. | 16SMBECS1P  | Dotnet Lab                             | Decent Work and Economic Growth (8) |
| 38. | 19UCA1CC1   | Programming With C                     | Decent work and Economic Growth (8) |
| 39. | 19UCA1CC1P  | Practical I -Programming With C        | Decent work and Economic Growth (8) |
| 40. | 19UCA2CC2P  | Practical II – Data Structures Using C | Decent work and Economic Growth (8) |
| 41. | 16SCCCA3    | Programming in Java                    | Decent work and Economic Growth (8) |
| 42. | 16SCCCA3P   | Programming in Java (P)                | Decent work and Economic Growth (8) |
| 43. | 16SNMECA1   | Working Principles of Internet         | Decent work and Economic Growth (8) |
| 44. | 16SCCCA4    | Database Systems                       | Decent work and Economic Growth (8) |
| 45. | 16SCCCA4P   | Database Systems (P)                   | Decent work and Economic Growth (8) |
| 46. | 16SNMECA2   | Fundamentals of Information Technology | Decent work and Economic Growth (8) |
| 47. | 16SCCCA5    | Data Structures and Algorithms         | Decent work and Economic Growth (8) |
| 48. | 16SCCCA6    | Operating Systems                      | Decent work and Economic Growth (8) |
| 49. | 16SMBECA1:1 | Computer Graphics                      | Decent work and Economic Growth (8) |
| 50. | 16SMBECA1:3 | Software Testing                       | Decent work and Economic Growth (8) |
| 51. | 16SCCCA9    | Computer Networks                      | Decent work and Economic Growth (8) |



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| 52. | 16SCCCA8    | Programming in PHP                     | Decent work and Economic Growth (8) |
|-----|-------------|--|-------------------------------------|
| 53. | 16SCCCA6P   | Programming in PHP(P)                  | Decent work and Economic Growth (8) |
| 54. | 16SMBECA2:1 | Cloud Computing                        | Decent work and Economic Growth (8) |
| 55. | 16SMECA2:2  | Business Process Outsourcing           | Decent work and Economic Growth (8) |
| 56. | 16SMECA2:3  | Mobile Computing                       | Decent work and Economic Growth (8) |
| 57. | 16SMBECA1P  | LINUX (P)                              | Decent work and Economic Growth (8) |
| 58. | 16SMBECA2P  | DOT NET LAB                            | Decent work and Economic Growth (8) |
| 59. | 19UIT1CC1   | Programming in C                       | Decent work and Economic Growth (8) |
| 60. | 19UIT1CC1P  | Programming in C Lab                   | Decent work and Economic Growth (8) |
| 61. | 19UIT1AC1   | Essential Mathematics                  | Decent work and Economic Growth (8) |
| 62. | 19UIT1AC2   | Numerical Analysis and Statistics      | Decent work and Economic Growth (8) |
| 63. | 19UIT2AC3   | Operations Research                    | Decent work and Economic Growth (8) |
| 64. | 19UIT2CC2P  | Data Structures Using C++ Lab          | Decent work and Economic Growth (8) |
| 65. | 16SCCIT3    | Programming in C++                     | Decent work and Economic Growth (8) |
| 66. | 16SCCIT3P   | Programming in C++ Lab                 | Decent work and Economic Growth (8) |
| 67. | 16SCCIT4P   | Programming In Java Lab                | Decent work and Economic Growth (8) |
| 68. | 16SNMEIT1   | Fundamentals of Information Technology | Decent work and Economic Growth (8) |
| 69. | 16SCCIT5    | Data Structures and Algorithms         | Decent work and Economic Growth (8) |
| 70. | 16SCCIT6    | Computer Networks                      | Decent work and Economic Growth (8) |
| 71. | 16SMBEIT1:1 | Software Engineering                   | Decent work and Economic Growth (8) |
| 72. | 16SMBEIT1:3 | Business Process Outsourcing           | Decent work and Economic Growth (8) |
| 73. | 16SCCIT8    | Mobile Computing                       | Decent work and Economic Growth (8) |
| 74. | 16SCCIT9    | Database Systems                       | Decent work and Economic Growth (8) |
| 75. | 16SCCIT6P   | Database Systems Lab                   | Decent work and Economic Growth (8) |
| 76. | 16SMBEIT2:1 | Web Design                             | Decent work and Economic Growth (8) |
| 77. | 16SMBEIT2:2 | Programming in PHP                     | Decent work and Economic Growth (8) |
| 78. | 16SMBEIT2:3 | Cloud Computing                        | Decent work and Economic Growth (8) |
| 79. | 16SMBEIT1P  | Dot Net Lab                            | Decent work and Economic Growth (8) |
| 80. | 16SMBEIT2P  | Programming In PHP Lab                 | Decent work and Economic Growth (8) |



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## **CRITERION I**

| 81.  | 16SCCMB6   | Agricultural and Environmental Microbiology               | Decent Work and Economic Growth (8) |
|------|------------|---|-------------------------------------|
| 82.  | 16SCCND6   | Food Service Management I                                 | Decent work and Economic Growth (8) |
| 83.  | 16SMBEND1  | Food Standards and quality Control                        | Decent work and Economic Growth (8) |
| 84.  | 16SCCND9   | Food Service Management II                                | Decent work and Economic Growth (8) |
| 85.  | 19PSW1EC1A | Human Resource Development                                | Decent Work and Economic Growth (8) |
| 86.  | P16SW32D   | Human Resource Development                                | Decent Work and Economic Growth (8) |
| 87.  | P16SW33D   | Labour Welfare and Industrial Relations                   | Decent work and Economic Growth (8) |
| 88.  | 19PMA1CC2  | Ordinary Differential Equations                           | Decent Work and Economic Growth (8) |
| 89.  | 19PMA1CC3  | Integral Equations, Calculus of Variations and Transforms | Decent Work and Economic Growth (8) |
| 90.  | 19PMA1CC4  | Algebraic Number Theory                                   | Decent Work and Economic Growth (8) |
| 91.  | 19PMA2EC1A | Partial Differential Equations                            | Decent Work and Economic Growth (8) |
| 92.  | 19PCS1CC2  | Design and Analysis of Algorithms                         | Decent Work and Economic Growth (8) |
| 93.  | 19PCS1CC3  | Web Technologies  | Decent Work and Economic Growth (8) |
| 94.  | 19PCS1CC1P | Web Technologies Lab                                      | Decent Work and Economic Growth (8) |
| 95.  | 19PCS1CC4  | Distributed Operating Systems                             | Decent Work and Economic Growth (8) |
| 96.  | 19PCS2CC5  | Data Mining and Warehousing                               | Decent Work and Economic Growth (8) |
| 97.  | 19PCS2CC2P | Data Mining Lab and MatLab                                | Decent Work and Economic Growth (8) |
| 98.  | 19PCS2CC6  | Artificial Intelligence                                   | Decent Work and Economic Growth (8) |
| 99.  | 19PCS2EC2B | Advanced Database System                                  | Decent Work and Economic Growth (8) |
| 100. | 19PCS2EC2C | Software Project Management                               | Decent Work and Economic Growth (8) |
| 101. | P16CS32    | Compiler Design   | Decent Work and Economic Growth (8) |
| 102. | P16CSE3A   | Parallel Processing                                       | Decent Work and Economic Growth (8) |
| 103. | P16CS42    | Wireless Sensor Networks                                  | Decent Work and Economic Growth (8) |
| 104. | 19UEN1CC2  | Short Stories   | Gender Equality (5)                 |
| 105. | 19UEN2CC4  | Fiction   | Gender Equality (5)                 |
| 106. | 16ACCEN6   | One-Act Plays   | Gender Equality (5)                 |
| 107. | 16ACCEN9   | Shakespeare   | Gender Equality (5)                 |
| 108. | 16ACCEN14  | Commonwealth Literature                                   | Gender Equality (5)                 |
| 109. | 19PEN1CC1  | British Literature – I (1340-1798)                        | Gender Equality (5)                 |



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## **CRITERION I**

| 110. | 19PEN1CC2   | Shakespeare                                    | Gender Equality (5)              |
|------|-------------|--|----------------------------------|
| 111. | 19PEN1CC4   | Women's Writing                                | Gender Equality (5)              |
| 112. | 19PEN1EC1B  | European Literature                            | Gender Equality (5)              |
| 113. | 19PEN2CC5   | British Literature – II (1799-Present Age)     | Gender Equality (5)              |
| 114. | 19PEN2EC2B  | Post-Colonial Studies                          | Gender Equality (5)              |
| 115. | P16ENE3     | Asian Literature in English                    | Gender Equality (5)              |
| 116. | P16EN41     | New Literatures in English                     | Gender Equality (5)              |
| 117. | P16SW32B    | Women and Child Welfare                        | Gender Equality (5)              |
| 118. | 16SNMECH2   | Health Chemistry                               | Good Health and Well – Being (3) |
| 119. | 16SMBECH3:2 | Pharmaceutical Chemistry                       | Good Health and Well – Being (3) |
| 120. | P16CHE2A    | Pharmaceutical Chemistry                       | Good Health and Well – Being (3) |
| 121. | 19PMB1CC2   | Biological macromolecules                      | Good Health and Well – Being (3) |
| 122. | 19PMB1CC3   | Virology                                       | Good Health and Well – Being (3) |
| 123. | 19PMB2CC5   | Microbial Metabolism                           | Good Health and Well – Being (3) |
| 124. |             | Immunology                                     | Good Health and Well – Being (3) |
| 125. |             | Microbial Metabolism and Immunology Practicals | Good Health and Well – Being (3) |
| 126. |             | Public Health Microbiology                     | Good Health and Well – Being (3) |
| 127. |             | Immunology                                     | Good Health and Well – Being (3) |
|      | P16MBE3A    | Medical Laboratory Technology                  | Good Health and Well – Being (3) |
| 129. | 19PFS1CC3   | Biochemical Changes in Diseases                | Good Health and Well – Being (3) |
| 130. | 19PFS1CC4   | Advanced Dietetics I                           | Good Health and Well – Being (3) |
| 131. | 19PFS2CC5   | Advanced Dietetics II                          | Good Health and Well – Being (3) |
| 132. | 19PFS2EC1A  | Functional Foods and Nutraceuticals            | Good Health and Well – Being (3) |
| 133. | 19PFS2EC1B  | Paediatric Nutritional Care                    | Good Health and Well – Being (3) |
| 134. | 19PFS2EC2A  | Applied Physiology                             | Good Health and Well – Being (3) |
| 135. | 19PFS2EC2B  | Nutrition for fitness                          | Good Health and Well – Being (3) |
| 136. | 19UMB1AC1   | Fundamentals of Biochemistry -I                | Good Health and Well-Being (3)   |
| 137. | 19UMB2AC2   | Fundamentals of Biochemistry-II                | Good Health and Well-Being (3)   |
| 138. | 16SCCMB3    | Immunology                                     | Good Health and Well-Being (3)   |
| 139. | 16SCCMB4    | Introductory Virology                          | Good Health and Well-Being (3)   |



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| 140. | 16RSBE5:1   | Ethno Medicine                                 | Good Health and Well-Being (3)               |
|------|-------------|--|--|
| 141. | 16SCCMB2P   | Immunology & Introductory Virology (P)         | Good Health and Well-Being (3)               |
| 142. | 16SCCMB5    | Medical Microbiology                           | Good Health and Well-Being (3)               |
| 143. | 16SCCBT3    | rDNA Technology                                | Good Health and Well-Being (3)               |
| 144. | 16SCCBT4    | Immunology                                     | Good Health and Well-Being (3)               |
| 145. | 16SMBEBT3   | Immunotechnology                               | Good Health and Well-Being (3)               |
| 146. | 19UND1AC1   | Food Microbiology                              | Good Health and Well-Being (3)               |
| 147. | 16SCCND3    | Principles of Nutrition                        | Good Health and Well-Being (3)               |
| 148. | 16SNMEND1   | Nutrition for Women                            | Good Health and Well-Being (3)               |
| 149. | 16SCCND4    | Nutrition Through Life Cycle                   | Good Health and Well-Being (3)               |
| 150. | 16SNMEND2   | Nutrition for health and fitness               | Good Health and Well-Being (3)               |
| 151. | 16SCCND5    | Dietetics I                                    | Good Health and Well-Being (3)               |
| 152. | 16SCCND8    | Dietetics II                                   | Good Health and Well-Being (3)               |
| 153. | 16SCCND4P   | Dietetics II (P)                               | Good Health and Well-Being (3)               |
| 154. | 16MBEND2    | Community Nutrition                            | Good Health and Well-Being (3)               |
| 155. | 19PSW2CC5   | Counselling: Theory and Practice               | Good Health and Well-Being (3)               |
| 156. | 20PSW2EC3B  | Health and Hygiene                             | Good Health and Well-Being (3)               |
| 157. | P16SW32B    | Community Health                               | Good Health and Well-Being (3)               |
| 158. | P16SW33B    | Medical Social Work                            | Good Health and Well-Being (3)               |
| 159. | P16SW41B    | Psychiatric Social Work                        | Good Health and Well-Being (3)               |
| 160. | 19PPH2EC2B  | Biomechanics and Biophysics                    | Good Health and Well-Being (3)               |
| 161. | 19PFS1CC2   | Human Nutrition and Public Health              | Good Health and Well-Being (3)               |
| 162. | P16SW33C    | Welfare of the Youth and the Aged              | Good Health and Well-Being g (3)             |
| 163. | P16MB41     | Medical Microbiology                           | Good Health and Well–Being (3)               |
| 164. | P16MB42     | Bioprocess Technology                          | Industry, Innovation and Infrastructure      |
|      | 16SMBECH2   | Nuclear, Industrial Chemistry & Metallic State | Industry, Innovation and Infrastructure (17) |
| 166. | 16SMBECH3:1 | Polymer Chemistry                              | Industry, Innovation and Infrastructure (17) |
| 167. | 19UBA2CC3   | Elements of Marketing                          | Industry, Innovation and Infrastructure (9)  |
| 168. | 19UBA2AC2   | Business Environment                           | Industry, Innovation and Infrastructure (9)  |



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| 169. | 19UCC1CC2   | Modern Management Concepts                                    | Industry, Innovation and Infrastructure (9) |
|------|-------------|---|---|
| 170. | 19UCC2CC3   | Modern Marketing  | Industry, Innovation and Infrastructure (9) |
| 171. | 19UPH2CC2   | Mechanics and Relativity                                      | Industry, Innovation and Infrastructure (9) |
| 172. | 19UCA2CC2   | Data Structures   | Industry, Innovation and Infrastructure (9) |
| 173. | 16SCCCA7    | Digital Computer Fundamentals                                 | Industry, Innovation and Infrastructure (9) |
| 174. | 16SCCCA5P   | Computer Graphics and Animation (P                            | Industry, Innovation and Infrastructure (9) |
| 175. | 16SMBECA1:2 | Software Engineering  | Industry, Innovation and Infrastructure (9) |
| 176. | 19UIT2CC2   | Data Structures and C++                                       | Industry, Innovation and Infrastructure (9) |
| 177. | 16SCCIT7    | Operating Systems   | Industry, Innovation and Infrastructure (9) |
| 178. | 16SCCIT5P   | Computer Graphics and Animation Lab                           | Industry, Innovation and Infrastructure (9) |
| 179. | 16SMBEIT1:2 | E-Commerce  | Industry, Innovation and Infrastructure (9) |
| 180. | 16SCCMB8    | Food Microbiology   | Industry, Innovation and Infrastructure (9) |
| 181. | 16SCCMB9    | Industrial Microbiology                                       | Industry, Innovation and Infrastructure (9) |
| 182. | 16SCCMB4P   | Food and Industrial Microbiology (P)                          | Industry, Innovation and Infrastructure (9) |
| 183. | 19PCO1CC2   | Managerial Economics  | Industry, Innovation and Infrastructure (9) |
| 184. | 19PCO1CC3   | Corporate Laws  | Industry, Innovation and Infrastructure (9) |
| 185. | 19PCO1CC4   | Strategic Management  | Industry, Innovation and Infrastructure (9) |
| 186. | 19PCO1EC1A  | Business Ethics, Corporate Social Responsibility & Governance | Industry, Innovation and Infrastructure (9) |
| 187. | 19PCO1EC1B  | Services Marketing  | Industry, Innovation and Infrastructure (9) |
| 188. | 19PCO2EC2A  | Retail Management   | Industry, Innovation and Infrastructure (9) |
| 189. | 19PCO2EC2B  | International Trade Finance                                   | Industry, Innovation and Infrastructure (9) |
| 190. | P16CHE4B    | Industrial Chemistry  | Industry, Innovation and Infrastructure (9) |
| 191. | 19PCS2EC1A  | Network Security  | Industry, Innovation and Infrastructure (9) |
| 192. | 19PCS2EC2A  | Bioinformatics  | Industry, Innovation and Infrastructure (9) |
| 193. | P16CS41     | Cloud Computing   | Industry, Innovation and Infrastructure (9) |
| 194. | P16CSE5A    | Big Data Analytics  | Industry, Innovation and Infrastructure (9) |
| 195. | P16CS43P    | Open source Lab   | Industry, Innovation and Infrastructure (9) |
| 196. | P16FS41     | Food Service Facilities                                       | Industry, Innovation and Infrastructure (9) |
| 197. | P16FSE4     | Food Product Development                                      | Industry, Innovation and Infrastructure (9) |



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| 198. | 16SMBEPH1  | Material Science                      | Industry, Innovation, and Infrastructure (9) |
|------|------------|---------------------------------------|--|
| 199. | 19PPH1CC2  | Classical Dynamics and Relativity     | Industry, Innovation, and Infrastructure (9) |
| 200. | 19UPH1CC4  | Quantum Mechanics – I                 | Industry, Innovation, and Infrastructure (9) |
| 201. | 19PPH2CC5  | Electromagnetic Theory                | Industry, Innovation, and Infrastructure (9) |
| 202. | 19PPH2CC6  | Quantum Mechanics – II                | Industry, Innovation, and Infrastructure (9) |
| 203. | 19PPH2EC2A | Numerical Methods and C++ Programming | Industry, Innovation, and Infrastructure (9) |
| 204. | P16PY32    | Solid State Physics                   | Industry, Innovation, and Infrastructure (9) |
| 205. | P16PY41    | Nuclear & Particle Physics            | Industry, Innovation, and Infrastructure (9) |
| 206. | 19PMB2EC2C | Marine Microbiology                   | Life below Water (14)                        |
| 207. | 16ACCEN12  | Indian Culture and Literature         | Life on Land (15)                            |
| 208. | 16ACCEN13  | Indian Writing in English             | Life on Land (15)                            |
| 209. | 16SCCPH3   | Thermal Physics                       | Life on land (15)                            |
| 210. | 19UMB1CC1  | General Microbiology                  | Life on land (15)                            |
| 211. | 19UMB2CC2  | Microbial Physiology                  | Life on land (15)                            |
| 212. | 16SMBEMB1  | Fundamentals of Botany and Zoology    | Life on Land (15)                            |
| 213. | 19UBT1CC1  | Cell Biology                          | Life on Land (15)                            |
| 214. | 16SACBT1   | Biomolecules                          | Life on Land (15)                            |
| 215. | 16SCCBT6   | Animal Biotechnology                  | Life on Land (15)                            |
| 216. | 19UTA2AC2  | Thamizhaga Varalaarum Panpaadum       | Life on Land (15)                            |
| 217. | 19PEN1CC3  | Indian English Literature             | Life on Land (15)                            |
| 218. | P16SWE4    | Disaster Management                   | Life on Land (15)                            |
| 219. | 19PMB1CC1  | Essentials of Microbiology            | Life on Land (15)                            |
| 220. | 19PTA1CC3  | Samaya Ilakkiyam                      | Life on Land (15)                            |
| 221. | 19PTA2CC7  | Kaappiyangal                          | Life on Land (15)                            |
| 222. |            |                                       | Life on Land (15)                            |
|      | 19UBT1AC1  | General Microbiology                  | Life below Water (14)                        |
| 223. |            |                                       | Life on Land (15)                            |
|      | 19UBT2CC2  | Molecular Biology                     | Life below Water (14)                        |
| 224. | 19UCO2AC2  | Business Economics - II               | No Poverty (1)                               |



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| 225. | 16SCCBT5    | Plant Biotechnology                               | No Poverty (1)                              |
|------|-------------|---|---|
| 226. | 16SMBEBT2   | Food Technology                                   | No Poverty (1)                              |
| 227. | 16SCCBT5P   | Plant and Animal Biotechnology (P)                | No Poverty(1)                               |
| 228. | 19UE1       | Functional Grammar for Effective Communication-I  | Partnership for the Goals (17)              |
| 229. | 19UE2       | Functional Grammar for Effective Communication II | Partnership for the Goals (17)              |
| 230. | 19UEN2AC2   | Literary Forms                                    | Partnership for the Goals (17)              |
| 231. | 16ELCE3     | Drama for Effective Communication                 | Partnership for the Goals (17)              |
| 232. | 16ANMEEN1   | Presentation Skills                               | Partnership for the Goals (17)              |
| 233. | 16ELCE4     | Short Stories for Effective Communication         | Partnership for the Goals (17)              |
| 234. | 16ACCEN8    | Introduction to Language and Linguistics          | Partnership for the Goals (17)              |
| 235. | 16ANMEEN2   | Functional Skills                                 | Partnership for the Goals (17)              |
| 236. | 16ACCEN15   | English Language Teaching                         | Partnership for the Goals (17)              |
| 237. | 16AMBEEN3   | English for Competitive Examinations              | Partnership for the Goals (17)              |
| 238. | 16SMBECH1:2 | Material & Nano Chemistry                         | Partnership for the Goals (17)              |
| 239. | 19PEN1EC1A  | Linguistics & Rhetoric                            | Partnership For The Goals (17)              |
| 240. | 19PEN2EC2A  | English Language Teaching                         | Partnership for the Goals (17)              |
| 241. | P16CHE5B    | Chemistry of Nanoscience and Nanotechnology       | Partnership for the Goals (17)              |
| 242. | 16SCCPH6    | Atomic and Molecular Physics                      | Partnerships for the Goals (17)             |
| 243. | 19PSW1EC1B  | Ngo Management                                    | Partnerships for the Goals (17)             |
| 244. | P16SWE3     | Corporate Social Responsibility                   | Partnerships for the Goals (17)             |
| 245. | 19PPH1CC1   | Mathematical Physics                              | Partnerships for the Goals (17)             |
| 246. | 19PPH2EC1B  | Non-Destructive Evaluation Techniques             | Partnerships for the Goals (17)             |
| 247. | P16PY42     | Advanced Physics                                  | Partnerships for the Goals (17)             |
| 248. | 19UEN1CC1   | Prose   | Peace, Justice and Strong Institutions (16) |
| 249. | 19UEN2CC3   | Poetry - I  | Peace, Justice and Strong Institutions (16) |
| 250. | 16ACCEN7    | Drama   | Peace, Justice and Strong Institutions (16) |
| 251. | 16ACCEN11   | American Literature                               | Peace, Justice and Strong Institutions (16) |
| 252. | 16AMBEEN2   | Journalism  | Peace, Justice and Strong Institutions (16) |
| 253. | 16SCCBT9    | IPR and Bioethics                                 | Peace, Justice and Strong Institutions (16) |



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| 254. | 19UTA1CC2  | Ikkala Ilakkiyam   | Peace, Justice and Strong Institutions (16)  |
|------|------------|--|--|
| 255. | 19UTA2CC4  | Sitrilakkiyam  | Peace, Justice and Strong Institutions (16)  |
| 256. | P16ENE4    | Single-Author Study – Rabindranath Tagore                    | Peace, Justice and Strong Institutions (16)  |
| 257. | 19PTA1CC2  | Ikkala Ilakkiyam-I   | Peace, Justice and Strong Institutions (16)  |
| 258. | 19PTA2CC6  | Ikkala Ilakkiyam - II  | Peace, Justice and Strong Institutions (16)  |
| 259. | 16ACCEN5   | Poetry II  | Peace, Justice, and Strong Institutions (16) |
| 260. | 16SCCMB7   | Molecular Biology and Microbial Genetics                     | Quality Education (3)                        |
| 261. | 16ACCEN10  | Principles of Literary Criticism                             | Quality Education (4)                        |
| 262. | 16AMBEEN1  | Translation: Theory and Practice                             | Quality Education (4)                        |
| 263. | 19UMB1CC1P | General Microbiology & Microbial Physiology -Practicals      | Quality Education (4)                        |
| 264. | 19UMB1AC1P | Fundamentals of Biochemistry I & II Practicals               | Quality Education (4)                        |
| 265. | 16SACBS2   | Bioinformatics and Computer Applications in Biology          | Quality Education (4)                        |
| 266. | 19UBT2AC2  | Bioinstrumentation   | Quality Education (4)                        |
| 267. | 16SCCBT7   | Biostatistics and Biosafety                                  | Quality Education (4)                        |
| 268. | 19PEN2CC6  | Translation Theory & Practice                                | Quality Education (4)                        |
| 269. | 19PEN2CC8  | Literary Criticism - I                                       | Quality Education (4)                        |
| 270. | P16EN32    | Theory of Comparative Literature and Classics in Translation | Quality Education (4)                        |
| 271. | P16EN33    | Literary Theory  | Quality Education (4)                        |
| 272. | P16EN34    | Research Methodology   | Quality Education (4)                        |
| 273. | P16EN42    | Translation: Theory and Practice                             | Quality Education (4)                        |
| 274. | P16ENE5    | English Literature for UGC Examinations                      | Quality Education (4)                        |
| 275. | P16ENPW    | Project Work   | Quality Education (4)                        |
| 276. | 19PCH2EC1B | Forensic Chemistry   | Quality Education (4)                        |
| 277. | P16CHE3    | Analytical Chemistry   | Quality Education (4)                        |
| 278. | 19PMB2EC1A | Microbial Techniques   | Quality Education (4)                        |
| 279. | 19PMB2EC1C | Microbial Cytology   | Quality Education (4)                        |
| 280. | P16MB31    | Molecular Biology and Microbial Genetics                     | Quality Education (4)                        |
| 281. | P16MBE4A   | Bioinformatics & Biostatistics                               | Quality Education (4)                        |
| 282. | P16MBE5A   | Microbial Biotechnology                                      | Quality Education (4)                        |



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| 283. | 16SACBS1                              | Biostatistics   | Quality Education(4)                        |
|------|---------------------------------------|---|---|
| 284. | 16SACBS1P                             | Biostatistics and Bioinformatics (P)                                    | Quality Education(4)                        |
| 285. | 16SMBEMB2                             | Recombinant DNA Technology  | Quality Education(4)                        |
| 286. | 19PSW1CC1                             | Introduction to Social Work   | Reduced Inequalities (10)                   |
| 287. | P16SW31                               | Social Welfare Administration, Social Policies, and Social Legislations | Reduced Inequalities (10)                   |
| 288. | 19UBA1AC1                             | Managerial Economics  | Responsible Consumption and Production (12) |
| 289. | 19UCO1AC1                             | Business Economics - I  | Responsible Consumption and Production (12) |
| 290. | 16SCCPH7                              | Electronics   | Responsible Consumption and Production (12) |
| 291. | 16SCCBT8                              | Microbial Biotechnology   | Responsible Consumption and Production (12) |
| 292. | 16SCCBT6P                             | Microbial Biotechnology (P)   | Responsible Consumption and Production (12) |
| 293. | 19UND1CC1                             | Food Science  | Responsible Consumption and Production (12) |
| 294. | 19PPH1CC3                             | Electronics   | Responsible Consumption and Production (12) |
| 295. | 19PCH2EC1A                            | Green Chemistry   | Responsible Consumption and Production (12) |
| 296. | 19PFS1CC1                             | Advanced Food Science   | Responsible Consumption and Production (12) |
| 297. | 19UEN1AC1                             | Social History of England   | Sustainable Cities and Communities (11)     |
| 298. | 19UMA1CC2                             | Integral Calculus and Fourier Series                                    | Sustainable Cities and Communities (11)     |
| 299. | 19UMA2CC3                             | Analytical Geometry and Vector Calculus                                 | Sustainable Cities and Communities (11)     |
| 300. | 19UCS1AC1/<br>19UCA1AC1/<br>19UIT1AC1 | Essential Mathematics   | Sustainable Cities and Communities (11)     |
| 301. | 19UCS1AC2/<br>19UCA1AC2<br>19UIT1AC2  | Numerical Analysis and Statistics                                       | Sustainable Cities and Communities (11)     |
| 302. | 19UCS2AC3/<br>19UCA2AC3/<br>19UIT2AC3 | Operations Research   | Sustainable Cities and Communities (11)     |
| 303. | 16SCCMM10                             | Numerical Methods with MATLAB Programming                               | Sustainable Cities and Communities (11)     |
| 304. | 16SCCMM11                             | Statics   | Sustainable Cities and Communities (11)     |
| 305. | 16SCCMM1P                             | Numerical Methods with MATLAB Programming                               | Sustainable Cities and Communities (11)     |



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| 306. | 16SMBEMM 1:1 | Operations Research                       | Sustainable Cities and Communities (11) |
|------|--------------|---|---|
| 307. | 16SCCMM14    | Dynamics                                  | Sustainable Cities and Communities (11) |
| 308. | 16SMBEMM 2:1 | Graph Theory                              | Sustainable Cities and Communities (11) |
| 309. | 19UPH1CC1    | Properties of Matter, Waves and Acoustics | Sustainable Cities and Communities (11) |
| 310. | 16SCCPH5     | Optics                                    | Sustainable Cities and Communities (11) |
| 311. | 16SMBEPH3    | Communication Physics                     | Sustainable Cities and Communities (11) |
| 312. | 16SNMECH1    | Chemistry in Every Day Life               | Sustainable Cities and Communities (11) |
| 313. | 19UGES       | Environmental Studies                     | Sustainable Cities and Communities (11) |
| 314. | 20PSW2CC5    | Community Organisation and Social Action  | Sustainable Cities and Communities (11) |
| 315. | P16MAC4B     | Advanced Operations Research              | Sustainable Cities and Communities (11) |
| 316. | P16MA43      | Advanced Numerical Analysis               | Sustainable Cities and Communities (11) |
| 317. | 19PPH2EC1A   | Microprocessor and Microcontroller        | Sustainable Cities and Communities (11) |
| 318. | P16PY31      | Statistical Mechanics                     | Sustainable Cities and Communities (11) |
| 319. | P16PYE4      | Nonlinear Optics                          | Sustainable Cities and Communities (11) |
| 320. | P16PYE5      | Nanophysics                               | Sustainable Cities and Communities (11) |
| 321. | P16CHE4A     | Green Chemistry                           | Sustainable Cities and Communities (11) |