

| Course Code | Course Title                                 | Course Credits | I1 (INTERNAL EXAMINATION) |           | E1 (EXTERNAL EXAMINATION) |           | TOTALF (TOTAL MARKS) |           |
|-------------|----------------------------------------------|----------------|---------------------------|-----------|---------------------------|-----------|----------------------|-----------|
|             |                                              |                | Min Marks                 | Max Marks | Min Marks                 | Max Marks | Min Marks            | Max Marks |
| 57713       | Web3Technologies                             | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 57723       | Cyber Security and Risk Assessment           | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 57733       | Ethical & Responsible AI                     | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 57735       | Web3 Technologies Practical                  | 2.00           | ...                       | ...       | 20.00                     | 50.00     | 20.00                | 50.00     |
| 57736       | Cyber Security and Risk Assessment Practical | 2.00           | ...                       | ...       | 20.00                     | 50.00     | 20.00                | 50.00     |
| 57737       | Research Project                             | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 57760       | Social Network Analysis                      | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 57761       | Data Visualization                           | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 57763       | Social Network Analysis Practical            | 2.00           | ...                       | ...       | 20.00                     | 50.00     | 20.00                | 50.00     |
| 57764       | Data Visualization Practical                 | 2.00           | ...                       | ...       | 20.00                     | 50.00     | 20.00                | 50.00     |

|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|---------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------|--|----|---|------|--|-----|--|-----|--|--------------------------|---|------|--|-----|-----------------------------|-----|--|----|---|-------------------------|--|-----|-----------------------------------|-----|---------------------------------------------------------------------------------------------|----|---|------|--|-------|--|-------|--|----|---|------|--|----|--|-------|--|---------|--|
| University Of Mumbai                                                                                                                  |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     | Aug 06, 2026<br>Declaration Date: |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| OFFICE REGISTER FOR THE Master of Science(Computer Science) ( Semester - III) ( NEP 2020 ) SUPPLEMENTARY EXAMINATION HELD IN MAY 2026 |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| PAGE : 2                                                                                                                              |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| PAGE : 2                                                                                                                              |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| -----                                                                                                                                 |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| MU-0038: MODERN EDUCATION SOCIETY'S THE D. G. RUPAREL COLLEGE OF ARTS, SCIENCE AND COMMERCE                                           |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| SEAT NO                                                                                                                               |     | NAME                    |  |    |   |      |  |     |  |     |  | STATUS                   |   |      |  |     | GENDER                      |     |  |    |   | ERN                     |  |     |                                   |     | COLLEGE                                                                                     |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| 57713                                                                                                                                 |     | 57723                   |  |    |   |      |  |     |  |     |  | 57733                    |   |      |  |     | 57735                       |     |  |    |   | 57736                   |  |     |                                   |     | 57737                                                                                       |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| Web3Technologies                                                                                                                      |     | Cyber Security and Risk |  |    |   |      |  |     |  |     |  | Ethical & Responsible AI |   |      |  |     | Web3 Technologies Practical |     |  |    |   | Cyber Security and Risk |  |     |                                   |     | Research Project                                                                            |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| (THEORY)                                                                                                                              |     | Assessment (THEORY)     |  |    |   |      |  |     |  |     |  | (THEORY)                 |   |      |  |     | (PRACTICAL)                 |     |  |    |   | Assessment Practical    |  |     |                                   |     | (PROJECT)                                                                                   |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| External (50/20)                                                                                                                      |     | External (50/20)        |  |    |   |      |  |     |  |     |  | External (25/10)         |   |      |  |     | External (50/20)            |     |  |    |   | External (50/20)        |  |     |                                   |     | External (50/20)                                                                            |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| Internal(50/20)                                                                                                                       |     | Internal(50/20)         |  |    |   |      |  |     |  |     |  | Internal(25/10)          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     | Internal(50/20)                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| Internal(25/10)                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| TOT                                                                                                                                   |     | GP                      |  | G  | C | G*C  |  | TOT |  | GP  |  | G                        | C | G*C  |  | TOT |                             | GP  |  | G  | C | G*C                     |  | TOT |                                   | GP  |                                                                                             | G  | C | G*C  |  | TOT   |  | GP    |  | G  | C | G*C  |  |    |  |       |  |         |  |
| 1293003                                                                                                                               |     | SHIVAM KUMAR JHA        |  |    |   |      |  |     |  |     |  | Repeater                 |   |      |  |     | MALE                        |     |  |    |   | (MU0341120241002775)    |  |     |                                   |     | MU-0038: Modern Education Society's The D. G. Ruparel College of Arts, Science and Commerce |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
| E1                                                                                                                                    | 23+ | P                       |  |    |   | 26   |  | P   |  | 12+ |  | P                        |   | 38+  |  | P   |                             | 37+ |  | P  |   | 33+                     |  | P   |                                   | 16+ |                                                                                             | P  |   | 41+  |  | P     |  | MARKS |  |    |   |      |  |    |  |       |  |         |  |
| I1                                                                                                                                    | 38+ | P                       |  |    |   | 41+  |  | P   |  | 21+ |  | P                        |   |      |  |     |                             | 35+ |  | P  |   | 17+                     |  | P   |                                   |     |                                                                                             |    |   |      |  | (378) |  | PASS  |  |    |   |      |  |    |  |       |  |         |  |
| TOT                                                                                                                                   | 61+ | 7                       |  | B+ | 4 | 28.0 |  | 67  |  | 7   |  | B+                       | 4 | 28.0 |  | 33+ |                             | 7   |  | B+ | 4 | 28.0                    |  | 33+ |                                   | 7   |                                                                                             | B+ | 4 | 28.0 |  | 41+   |  | 9     |  | A+ | 2 | 18.0 |  | 22 |  | 162.0 |  | 7.36364 |  |
| -----                                                                                                                                 |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
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|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |
|                                                                                                                                       |     |                         |  |    |   |      |  |     |  |     |  |                          |   |      |  |     |                             |     |  |    |   |                         |  |     |                                   |     |                                                                                             |    |   |      |  |       |  |       |  |    |   |      |  |    |  |       |  |         |  |

**MU-0135: N G ACHARYA AND D K MARATHE COLLEGE OF ARTS SCIENCE AND COMMERCE**

| SEAT NO          |  |     |  |     |  |   |  |     |  | NAME                    |  |     |  |   |  |     |  |     |  | STATUS                   |  |    |  |    | GENDER                      |   |  |      |  | ERN                     |  |    |  |   | COLLEGE          |     |  |     |  |                                                                           |  |    |  |     | TOTAL              |   |  |      |  | RESULT                       | REMARK |       |        |   |       |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
|------------------|--|-----|--|-----|--|---|--|-----|--|-------------------------|--|-----|--|---|--|-----|--|-----|--|--------------------------|--|----|--|----|-----------------------------|---|--|------|--|-------------------------|--|----|--|---|------------------|-----|--|-----|--|---------------------------------------------------------------------------|--|----|--|-----|--------------------|---|--|------|--|------------------------------|--------|-------|--------|---|-------|--------|--------|------|--|-------|--|---|--|----|--|---|--|------|--|-----|--|---|--|----|--|---|--|------|--|----|--|-------|--|---------|--|
| 57713            |  |     |  |     |  |   |  |     |  | 57723                   |  |     |  |   |  |     |  |     |  | 57733                    |  |    |  |    | 57735                       |   |  |      |  | 57736                   |  |    |  |   | 57737            |     |  |     |  |                                                                           |  |    |  |     | 57761              |   |  |      |  | 57764                        |        |       |        |   | TOTAL | RESULT | REMARK |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| Web3Technologies |  |     |  |     |  |   |  |     |  | Cyber Security and Risk |  |     |  |   |  |     |  |     |  | Ethical & Responsible AI |  |    |  |    | Web3 Technologies Practical |   |  |      |  | Cyber Security and Risk |  |    |  |   | Research Project |     |  |     |  |                                                                           |  |    |  |     | Data Visualization |   |  |      |  | Data Visualization Practical |        |       |        |   | (550) | äCG    | äCG    |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| (THEORY)         |  |     |  |     |  |   |  |     |  | Assessment (THEORY)     |  |     |  |   |  |     |  |     |  | (THEORY)                 |  |    |  |    | (PRACTICAL)                 |   |  |      |  | Assessment Practical    |  |    |  |   | (PROJECT)        |     |  |     |  |                                                                           |  |    |  |     | (THEORY)           |   |  |      |  | (PRACTICAL)                  |        |       |        |   | äC    |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| External (50/20) |  |     |  |     |  |   |  |     |  | External (50/20)        |  |     |  |   |  |     |  |     |  | External (25/10)         |  |    |  |    | External (50/20)            |   |  |      |  | External (50/20)        |  |    |  |   | External (50/20) |     |  |     |  |                                                                           |  |    |  |     | External (25/10)   |   |  |      |  | External (50/20)             |        |       |        |   |       |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| Internal(50/20)  |  |     |  |     |  |   |  |     |  | Internal(50/20)         |  |     |  |   |  |     |  |     |  | Internal(25/10)          |  |    |  |    |                             |   |  |      |  |                         |  |    |  |   | Internal(50/20)  |     |  |     |  |                                                                           |  |    |  |     | Internal(25/10)    |   |  |      |  |                              |        |       |        |   |       |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| TOT              |  | GP  |  | G   |  | C |  | G*C |  | TOT                     |  | GP  |  | G |  | C   |  | G*C |  | TOT                      |  | GP |  | G  |                             | C |  | G*C  |  | TOT                     |  | GP |  | G |                  | C   |  | G*C |  | TOT                                                                       |  | GP |  | G   |                    | C |  | G*C  |  | TOT                          |        | GP    |        | G |       | C      |        | G*C  |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| 1293009          |  |     |  |     |  |   |  |     |  | ARUN SAGAYANATHAN       |  |     |  |   |  |     |  |     |  | Repeater                 |  |    |  |    | MALE                        |   |  |      |  | (MU0341120241019308)    |  |    |  |   |                  |     |  |     |  | MU-0135: N G Acharya and D K Marathe College of Arts Science and Commerce |  |    |  |     |                    |   |  |      |  |                              |        |       |        |   |       |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| E1               |  |     |  | ABS |  |   |  | 25+ |  |                         |  | P   |  |   |  | 10+ |  |     |  | 23+                      |  |    |  | P  |                             |   |  | 48+  |  |                         |  | P  |  |   |                  | 33+ |  |     |  | P                                                                         |  |    |  | 13+ |                    |   |  | P    |  |                              |        | 41+   |        |   |       | P      |        |      |  | MARKS |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| I1               |  | 43+ |  | P   |  |   |  | 42+ |  |                         |  | P   |  |   |  | 21+ |  |     |  | 23+                      |  |    |  | P  |                             |   |  | 45+  |  |                         |  | P  |  |   |                  | 21+ |  |     |  | P                                                                         |  |    |  | 41+ |                    |   |  | P    |  |                              |        | (365) | ABSENT |   |       |        |        |      |  |       |  |   |  |    |  |   |  |      |  |     |  |   |  |    |  |   |  |      |  |    |  |       |  |         |  |
| TOT              |  | 43  |  | 0   |  | F |  | 4   |  | 0.0                     |  | 67+ |  | 7 |  | B+  |  | 4   |  | 31+                      |  | 7  |  | B+ |                             | 2 |  | 14.0 |  | 23+                     |  | 4  |  | D |                  | 2   |  | 8.0 |  | 48+                                                                       |  | 10 |  | O   |                    | 2 |  | 20.0 |  | 78+                          |        | 8     |        | A |       | 4      |        | 32.0 |  | 34+   |  | 7 |  | B+ |  | 2 |  | 14.0 |  | 41+ |  | 9 |  | A+ |  | 2 |  | 18.0 |  | 22 |  | 134.0 |  | 0.00000 |  |

#:0.229; @:O.5042A/O.5043A/O.5044A; \*:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: 0.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED;

( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

**MU-0163: R D NATIONAL COLLEGE AND W A SCIENCE COLLEGE**

| SEAT NO                               |     |    |     |   | NAME                                                    |     |     |    |    | STATUS                                        |      |     |     |    | GENDER                                              |     |     |     |   | ERN                                                                     |      |     |     |     | COLLEGE                                |      |     |   |     |                                         |      |    |       |   | TOTAL                                                 | RESULT | REMARK |    |   |             |      |     |       |         |  |  |  |
|---------------------------------------|-----|----|-----|---|---------------------------------------------------------|-----|-----|----|----|-----------------------------------------------|------|-----|-----|----|-----------------------------------------------------|-----|-----|-----|---|-------------------------------------------------------------------------|------|-----|-----|-----|----------------------------------------|------|-----|---|-----|-----------------------------------------|------|----|-------|---|-------------------------------------------------------|--------|--------|----|---|-------------|------|-----|-------|---------|--|--|--|
| 57713<br>Web3Technologies<br>(THEORY) |     |    |     |   | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |     |     |    |    | 57733<br>Ethical & Responsible AI<br>(THEORY) |      |     |     |    | 57735<br>Web3 Technologies Practical<br>(PRACTICAL) |     |     |     |   | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |      |     |     |     | 57737<br>Research Project<br>(PROJECT) |      |     |   |     | 57761<br>Data Visualization<br>(THEORY) |      |    |       |   | 57764<br>Data Visualization Practical<br>(PRACTICAL)  |        |        |    |   | (550)<br>āC | āCG  | āCG |       |         |  |  |  |
| External (50/20)                      |     |    |     |   | External (50/20)                                        |     |     |    |    | External (25/10)                              |      |     |     |    | External (50/20)                                    |     |     |     |   | External (50/20)                                                        |      |     |     |     | External (50/20)                       |      |     |   |     | External (25/10)                        |      |    |       |   | External (50/20)                                      |        |        |    |   |             |      |     |       |         |  |  |  |
| Internal(50/20)                       |     |    |     |   | Internal(50/20)                                         |     |     |    |    | Internal(25/10)                               |      |     |     |    |                                                     |     |     |     |   |                                                                         |      |     |     |     | Internal(50/20)                        |      |     |   |     | Internal(25/10)                         |      |    |       |   |                                                       |        |        |    |   |             |      |     |       |         |  |  |  |
| TOT                                   |     | GP | G   | C | G*C                                                     | TOT |     | GP | G  | C                                             | G*C  | TOT |     | GP | G                                                   | C   | G*C | TOT |   | GP                                                                      | G    | C   | G*C | TOT |                                        | GP   | G   | C | G*C | TOT                                     |      | GP | G     | C | G*C                                                   | TOT    |        | GP | G | C           | G*C  |     |       |         |  |  |  |
| 1293001                               |     |    |     |   | ASHISH PAWAN SONI                                       |     |     |    |    |                                               |      |     |     |    | Repeater                                            |     |     |     |   | MALE                                                                    |      |     |     |     | (MU0341120241003399)                   |      |     |   |     |                                         |      |    |       |   | MU-0163: R D National College and W A Science College |        |        |    |   |             |      |     |       |         |  |  |  |
| E1                                    |     |    | ABS |   | 26+                                                     |     | P   |    |    |                                               | ABS  |     | 48+ |    | P                                                   |     | 43+ |     | P |                                                                         |      |     | 40+ |     | P                                      |      | ABS |   | 36+ |                                         | P    |    |       |   | MARKS                                                 |        |        |    |   |             |      |     |       |         |  |  |  |
| I1                                    | 42+ |    | P   |   | 42+                                                     |     | P   |    |    |                                               | 20+  |     | P   |    |                                                     |     | 30+ |     | P |                                                                         |      |     | 17+ |     | P                                      |      |     |   | 36+ |                                         |      |    | (344) |   | ABSENT                                                |        |        |    |   |             |      |     |       |         |  |  |  |
| TOT                                   |     | 42 | 0   | F | 4                                                       | 0.0 | 68+ | 7  | B+ | 4                                             | 28.0 | 20  | 0   | F  | 2                                                   | 0.0 | 48+ | 10  | O | 2                                                                       | 20.0 | 43+ | 9   | A+  | 2                                      | 18.0 | 70+ | 8 | A   | 4                                       | 32.0 | 17 | 0     | F | 2                                                     | 0.0    | 36+    | 8  | A | 2           | 16.0 | 22  | 114.0 | 0.00000 |  |  |  |

#:0.229; @:O.5042A/O.5043A/O.5044A; \*:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED;

( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

| SEAT NO                               |     |  |   |   |            |      |  |     |  | NAME                                                    |   |   |      |  |            |  |   |   |   | STATUS                                        |     |     |  |    | GENDER                                              |   |      |  |     | ERN                                                                     |   |    |     |      | COLLEGE                                |     |     |   |    |                                         |      |  |    |  | TOTAL (550) āC                                        |   |   |      |   | RESULT               |  | REMARK |     |   |            |  |       |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
|---------------------------------------|-----|--|---|---|------------|------|--|-----|--|---------------------------------------------------------|---|---|------|--|------------|--|---|---|---|-----------------------------------------------|-----|-----|--|----|-----------------------------------------------------|---|------|--|-----|-------------------------------------------------------------------------|---|----|-----|------|----------------------------------------|-----|-----|---|----|-----------------------------------------|------|--|----|--|-------------------------------------------------------|---|---|------|---|----------------------|--|--------|-----|---|------------|--|-------|--|--|--|-------|---------|--|------|---|--|--|--|-------|--|--|--|--|--|--|--|--|
| 57713<br>Web3Technologies<br>(THEORY) |     |  |   |   |            |      |  |     |  | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |   |   |      |  |            |  |   |   |   | 57733<br>Ethical & Responsible AI<br>(THEORY) |     |     |  |    | 57735<br>Web3 Technologies Practical<br>(PRACTICAL) |   |      |  |     | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |   |    |     |      | 57737<br>Research Project<br>(PROJECT) |     |     |   |    | 57761<br>Data Visualization<br>(THEORY) |      |  |    |  | 57764<br>Data Visualization Practical<br>(PRACTICAL)  |   |   |      |   | TOTAL<br>(550)<br>āC |  |        |     |   | āCG        |  | āCG   |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
| External (50/20)                      |     |  |   |   |            |      |  |     |  | External (50/20)                                        |   |   |      |  |            |  |   |   |   | External (25/10)                              |     |     |  |    | External (50/20)                                    |   |      |  |     | External (50/20)                                                        |   |    |     |      | External (50/20)                       |     |     |   |    | External (25/10)                        |      |  |    |  | External (50/20)                                      |   |   |      |   |                      |  |        |     |   |            |  |       |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
| Internal(50/20)                       |     |  |   |   |            |      |  |     |  | Internal(50/20)                                         |   |   |      |  |            |  |   |   |   | Internal(25/10)                               |     |     |  |    |                                                     |   |      |  |     |                                                                         |   |    |     |      | Internal(50/20)                        |     |     |   |    | Internal(25/10)                         |      |  |    |  |                                                       |   |   |      |   |                      |  |        |     |   |            |  |       |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
| TOT                                   |     |  |   |   | GP G C G*C |      |  |     |  | TOT                                                     |   |   |      |  | GP G C G*C |  |   |   |   | TOT                                           |     |     |  |    | GP G C G*C                                          |   |      |  |     | TOT                                                                     |   |    |     |      | GP G C G*C                             |     |     |   |    | TOT                                     |      |  |    |  | GP G C G*C                                            |   |   |      |   | TOT                  |  |        |     |   | GP G C G*C |  |       |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
| 1293002                               |     |  |   |   |            |      |  |     |  | MOHD BILAL SHAKIR HASAN                                 |   |   |      |  |            |  |   |   |   |                                               |     |     |  |    | Repeater                                            |   |      |  |     | MALE                                                                    |   |    |     |      | (MU0341120241003407)<br>PPR            |     |     |   |    |                                         |      |  |    |  | MU-0163: R D National College and W A Science College |   |   |      |   |                      |  |        |     |   |            |  |       |  |  |  |       |         |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |
| E1                                    | 24+ |  |   |   | P          |      |  |     |  |                                                         |   |   | 25+  |  |            |  | P |   |   |                                               | 15+ |     |  |    | P                                                   |   |      |  | 48+ |                                                                         |   |    | P   |      |                                        |     | 32+ |   |    |                                         | P    |  |    |  | 39+                                                   |   |   |      | P |                      |  |        | 15+ |   |            |  | P     |  |  |  | 31+   |         |  |      | P |  |  |  | MARKS |  |  |  |  |  |  |  |  |
| II                                    | 48+ |  |   |   | P          |      |  |     |  |                                                         |   |   | 49+  |  |            |  | P |   |   |                                               | 23+ |     |  |    | P                                                   |   |      |  |     |                                                                         |   |    | 47+ |      |                                        |     | P   |   |    |                                         | 24+  |  |    |  | P                                                     |   |   |      |   |                      |  |        |     |   |            |  | (420) |  |  |  |       |         |  | PASS |   |  |  |  |       |  |  |  |  |  |  |  |  |
| TOT                                   | 72  |  | 8 | A | 4          | 32.0 |  | 74+ |  | 8                                                       | A | 4 | 32.0 |  | 38         |  | 8 | A | 2 | 16.0                                          |     | 48+ |  | 10 | O                                                   | 2 | 20.0 |  | 32+ |                                                                         | 7 | B+ | 2   | 14.0 |                                        | 86+ |     | 9 | A+ | 4                                       | 36.0 |  | 39 |  | 8                                                     | A | 2 | 16.0 |   | 31+                  |  | 7      | B+  | 2 | 14.0       |  | 22    |  |  |  | 180.0 | 8.18182 |  |      |   |  |  |  |       |  |  |  |  |  |  |  |  |

| SEAT NO                               |     |    |    |   |      |     |   |    |   | NAME                                                    |     |     |   |    | STATUS                                        |     | GENDER |     | ERN |                                                     |     |                                                                         |     | COLLEGE              |      |     |                                        |     |     |      |     |                                         |   | TOTAL                                                 |      | RESULT | REMARK                                               |     |   |      |     |                      |         |     |     |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |
|---------------------------------------|-----|----|----|---|------|-----|---|----|---|---------------------------------------------------------|-----|-----|---|----|-----------------------------------------------|-----|--------|-----|-----|-----------------------------------------------------|-----|-------------------------------------------------------------------------|-----|----------------------|------|-----|----------------------------------------|-----|-----|------|-----|-----------------------------------------|---|-------------------------------------------------------|------|--------|------------------------------------------------------|-----|---|------|-----|----------------------|---------|-----|-----|--|--|-----|--|-----|--|--|---|--|---|--|--|-------|--|-------|--|--------|
| 57713<br>Web3Technologies<br>(THEORY) |     |    |    |   |      |     |   |    |   | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |     |     |   |    | 57733<br>Ethical & Responsible AI<br>(THEORY) |     |        |     |     | 57735<br>Web3 Technologies Practical<br>(PRACTICAL) |     | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |     |                      |      |     | 57737<br>Research Project<br>(PROJECT) |     |     |      |     | 57761<br>Data Visualization<br>(THEORY) |   |                                                       |      |        | 57764<br>Data Visualization Practical<br>(PRACTICAL) |     |   |      |     | TOTAL<br>(550)<br>āC |         | āCG | āCG |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |
| External (50/20)<br>Internal(50/20)   |     |    |    |   |      |     |   |    |   | External (50/20)<br>Internal(50/20)                     |     |     |   |    | External (25/10)<br>Internal(25/10)           |     |        |     |     | External (50/20)                                    |     | External (50/20)                                                        |     |                      |      |     | External (50/20)<br>Internal(50/20)    |     |     |      |     | External (25/10)<br>Internal(25/10)     |   |                                                       |      |        | External (50/20)                                     |     |   |      |     |                      |         |     |     |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |
| TOT                                   |     | GP | G  | C | G*C  | TOT |   | GP | G | C                                                       | G*C | TOT |   | GP | G                                             | C   | G*C    | TOT |     | GP                                                  | G   | C                                                                       | G*C | TOT                  |      | GP  | G                                      | C   | G*C | TOT  |     | GP                                      | G | C                                                     | G*C  | TOT    |                                                      | GP  | G | C    | G*C |                      |         |     |     |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |
| 1293004                               |     |    |    |   |      |     |   |    |   | SONU KUMAR                                              |     |     |   |    |                                               |     |        |     |     | Repeater                                            |     | MALE                                                                    |     | (MU0341120241003420) |      |     |                                        |     |     |      |     |                                         |   | MU-0163: R D National College and W A Science College |      |        |                                                      |     |   |      |     |                      |         |     |     |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |
| E1                                    | 22+ |    |    | P |      | ABS |   |    |   |                                                         | 13+ |     |   |    |                                               | P   |        |     |     |                                                     | 48+ |                                                                         | P   |                      |      |     |                                        | 48+ |     |      |     |                                         | P |                                                       |      |        |                                                      | 16+ |   |      |     |                      | P       |     |     |  |  | 36+ |  |     |  |  | P |  |   |  |  | MARKS |  |       |  |        |
| II                                    | 47+ |    |    | P |      | 48+ |   |    |   |                                                         | P   |     |   |    |                                               | 23+ |        | P   |     |                                                     |     |                                                                         | 48+ |                      | P    |     |                                        |     |     | 46+  |     |                                         |   |                                                       | P    |        |                                                      |     |   | 23+  |     |                      |         |     | P   |  |  |     |  | 36+ |  |  |   |  | P |  |  |       |  | (406) |  | ABSENT |
| TOT                                   | 69+ | 7  | B+ | 4 | 28.0 | 48  | 0 | F  | 4 | 0.0                                                     | 36+ | 8   | A | 2  | 16.0                                          | 48+ | 10     | O   | 2   | 20.0                                                | 48+ | 10                                                                      | O   | 2                    | 20.0 | 82+ | 9                                      | A+  | 4   | 36.0 | 39+ | 8                                       | A | 2                                                     | 16.0 | 36+    | 8                                                    | A   | 2 | 16.0 | 22  | 152.0                | 0.00000 |     |     |  |  |     |  |     |  |  |   |  |   |  |  |       |  |       |  |        |

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( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

| SEAT NO                               |     |     |   |   | NAME                                                    |      |     |    |   | STATUS                                        |     |      |    |     | GENDER                                              |   |     |     |     | ERN                                                                     |    |   |     |      | COLLEGE                                |    |   |     |     |                                                       |     |    |   |    | TOTAL (550)                                          |      |        |       |   | RESULT      | REMARK |     |     |  |   |   |   |      |    |  |       |         |
|---------------------------------------|-----|-----|---|---|---------------------------------------------------------|------|-----|----|---|-----------------------------------------------|-----|------|----|-----|-----------------------------------------------------|---|-----|-----|-----|-------------------------------------------------------------------------|----|---|-----|------|----------------------------------------|----|---|-----|-----|-------------------------------------------------------|-----|----|---|----|------------------------------------------------------|------|--------|-------|---|-------------|--------|-----|-----|--|---|---|---|------|----|--|-------|---------|
| 57713<br>Web3Technologies<br>(THEORY) |     |     |   |   | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |      |     |    |   | 57733<br>Ethical & Responsible AI<br>(THEORY) |     |      |    |     | 57735<br>Web3 Technologies Practical<br>(PRACTICAL) |   |     |     |     | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |    |   |     |      | 57737<br>Research Project<br>(PROJECT) |    |   |     |     | 57761<br>Data Visualization<br>(THEORY)               |     |    |   |    | 57764<br>Data Visualization Practical<br>(PRACTICAL) |      |        |       |   | (550)<br>āC | āCG    | āCG |     |  |   |   |   |      |    |  |       |         |
| External (50/20)                      |     |     |   |   | External (50/20)                                        |      |     |    |   | External (25/10)                              |     |      |    |     | External (50/20)                                    |   |     |     |     | External (50/20)                                                        |    |   |     |      | External (50/20)                       |    |   |     |     | External (25/10)                                      |     |    |   |    | External (50/20)                                     |      |        |       |   |             |        |     |     |  |   |   |   |      |    |  |       |         |
| Internal(50/20)                       |     |     |   |   | Internal(50/20)                                         |      |     |    |   | Internal(25/10)                               |     |      |    |     |                                                     |   |     |     |     |                                                                         |    |   |     |      | Internal(50/20)                        |    |   |     |     | Internal(25/10)                                       |     |    |   |    |                                                      |      |        |       |   |             |        |     |     |  |   |   |   |      |    |  |       |         |
| TOT                                   |     | GP  | G | C | G*C                                                     | TOT  |     | GP | G | C                                             | G*C | TOT  |    | GP  | G                                                   | C | G*C | TOT |     | GP                                                                      | G  | C | G*C | TOT  |                                        | GP | G | C   | G*C | TOT                                                   |     | GP | G | C  | G*C                                                  | TOT  |        | GP    | G | C           | G*C    |     |     |  |   |   |   |      |    |  |       |         |
| 1293005                               |     |     |   |   | PRAJAPATI SUJIT RAJU                                    |      |     |    |   |                                               |     |      |    |     | Repeater                                            |   |     |     |     | MALE                                                                    |    |   |     |      | (MU0341120241003409)                   |    |   |     |     | MU-0163: R D National College and W A Science College |     |    |   |    |                                                      |      |        |       |   |             |        |     |     |  |   |   |   |      |    |  |       |         |
| E1                                    | 27+ |     |   | P |                                                         | 26+  |     |    | P |                                               |     | ABS  |    | 48+ |                                                     |   | P   |     | 44+ |                                                                         |    | P |     | 36+  |                                        |    | P |     | ABS |                                                       | 37+ |    |   | P  |                                                      |      |        | MARKS |   |             |        |     |     |  |   |   |   |      |    |  |       |         |
| I1                                    | 47+ |     |   | P |                                                         | 48+  |     |    | P |                                               |     | 23+  |    |     | P                                                   |   |     | 45+ |     |                                                                         | P  |   | 23+ |      |                                        | P  |   | 23+ |     |                                                       | P   |    |   |    |                                                      |      | ABSENT |       |   |             |        |     |     |  |   |   |   |      |    |  |       |         |
| TOT                                   |     | 74+ | 8 | A | 4                                                       | 32.0 | 74+ |    | 8 | A                                             | 4   | 32.0 | 23 |     | 0                                                   | F | 2   | 0.0 | 48+ |                                                                         | 10 | O | 2   | 20.0 | 44+                                    |    | 9 | A+  | 2   | 18.0                                                  | 81+ |    | 9 | A+ | 4                                                    | 36.0 | 23     |       | 0 | F           | 2      | 0.0 | 37+ |  | 8 | A | 2 | 16.0 | 22 |  | 154.0 | 0.00000 |

| #:0.229; @:O.5042A/O.5043A/O.5044A; *:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED; |      |              |              |              |              |              |              |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| ( NEP 2020 ) EXAMINATION HELD IN MAY 2026                                                                                                                                                                                                                                                                                                                                                                                 |      |              |              |              |              |              |              |      |
| %Marks                                                                                                                                                                                                                                                                                                                                                                                                                    | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
| Grade                                                                                                                                                                                                                                                                                                                                                                                                                     | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT                                                                                                                                                                                                                                                                                                                                                                                                               | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

|                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------|--|---|---|-----|------|------|----|-----|---|--------------------------|-----|--------------|--|-----|-----------------------------|------|---|-----|--------------|-------------------------|----|-----|-----------------------------------|---|----------------------------|--------------|--|-----|--|----------------------------------------------------------------------------------------------------------------------|---|-----|--------------|---|------------------------------|------|---|-----|-----|--------------|--|--------|--|--------|---|------|--------------|-----|--|---|--|----|--|------|--|------|--|------|--|---|--|-------|--|---|--|-----|--|-----|--|----|--|---|--|---|--|------|--|----|--|--|--|-------|--|---------|--|
| University Of Mumbai                                                                                                                                                                                                                                                                                                                                                                                                      |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     | Aug 06, 2026<br>Declaration Date: |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| OFFICE REGISTER FOR THE Master of Science(Computer Science) ( Semester - III) ( NEP 2020 ) SUPPLEMENTARY EXAMINATION HELD IN MAY 2026                                                                                                                                                                                                                                                                                     |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     | PAGE : 7     |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| PAGE : 7                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| MU-0361: ANNASAHEB VARTAK COLLEGE OF ARTS KEDARNATH MALHOTRA COLLEGE OF COMMERCE AND E S ANDRADES COLLEGE OF SCIENCE                                                                                                                                                                                                                                                                                                      |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| SEAT NO                                                                                                                                                                                                                                                                                                                                                                                                                   |     | NAME                          |  |   |   |     |      |      |    |     |   | STATUS                   |     |              |  |     | GENDER                      |      |   |     |              | ERN                     |    |     |                                   |   | COLLEGE                    |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| 57713                                                                                                                                                                                                                                                                                                                                                                                                                     |     | 57723                         |  |   |   |     |      |      |    |     |   | 57733                    |     |              |  |     | 57735                       |      |   |     |              | 57736                   |    |     |                                   |   | 57737                      |              |  |     |  | 57761                                                                                                                |   |     |              |   | 57764                        |      |   |     |     | TOTAL        |  | RESULT |  | REMARK |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| Web3Technologies                                                                                                                                                                                                                                                                                                                                                                                                          |     | Cyber Security and Risk       |  |   |   |     |      |      |    |     |   | Ethical & Responsible AI |     |              |  |     | Web3 Technologies Practical |      |   |     |              | Cyber Security and Risk |    |     |                                   |   | Research Project (PROJECT) |              |  |     |  | Data Visualization                                                                                                   |   |     |              |   | Data Visualization Practical |      |   |     |     | (550)        |  | äCG    |  | äCG    |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| (THEORY)                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Assessment (THEORY)           |  |   |   |     |      |      |    |     |   | (THEORY)                 |     |              |  |     | (PRACTICAL)                 |      |   |     |              | Assessment Practical    |    |     |                                   |   | (PRACTICAL)                |              |  |     |  | (THEORY)                                                                                                             |   |     |              |   | (PRACTICAL)                  |      |   |     |     | äC           |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| External (50/20)                                                                                                                                                                                                                                                                                                                                                                                                          |     | External (50/20)              |  |   |   |     |      |      |    |     |   | External (25/10)         |     |              |  |     | External (50/20)            |      |   |     |              | External (50/20)        |    |     |                                   |   | External (50/20)           |              |  |     |  | External (25/10)                                                                                                     |   |     |              |   | External (50/20)             |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| Internal(50/20)                                                                                                                                                                                                                                                                                                                                                                                                           |     | Internal(50/20)               |  |   |   |     |      |      |    |     |   | Internal(25/10)          |     |              |  |     |                             |      |   |     |              | Internal(50/20)         |    |     |                                   |   | Internal(25/10)            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| TOT                                                                                                                                                                                                                                                                                                                                                                                                                       |     | GP                            |  | G | C | G*C | TOT  |      | GP |     | G | C                        | G*C | TOT          |  | GP  |                             | G    | C | G*C | TOT          |                         | GP |     | G                                 | C | G*C                        | TOT          |  | GP  |  | G                                                                                                                    | C | G*C | TOT          |   | GP                           |      | G | C   | G*C | TOT          |  | GP     |  | G      | C | G*C  |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| 1293014                                                                                                                                                                                                                                                                                                                                                                                                                   |     | KASHYAP SAGAR SANTOSH MADHURI |  |   |   |     |      |      |    |     |   |                          |     |              |  |     | Repeater                    |      |   |     |              | MALE                    |    |     |                                   |   | (MU0341120241008332)       |              |  |     |  | MU-0361: Annasaheb Vartak College of Arts Kedarnath Malhotra College of Commerce and E S Andrades College of Science |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| E1                                                                                                                                                                                                                                                                                                                                                                                                                        | 20+ |                               |  | P |   |     |      | 21+  |    |     |   | P                        |     |              |  | 12+ |                             |      |   | P   |              |                         |    | 45+ |                                   |   |                            | P            |  |     |  | 26+                                                                                                                  |   |     |              | P |                              |      |   | 40+ |     |              |  | P      |  |        |   | 12+  |              |     |  | P |  |    |  | 48+  |  |      |  | P    |  |   |  | MARKS |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| I1                                                                                                                                                                                                                                                                                                                                                                                                                        | 30+ |                               |  | P |   |     |      | 25+  |    |     |   | P                        |     |              |  | 10+ |                             |      |   | P   |              |                         |    |     |                                   |   |                            |              |  |     |  | 40+                                                                                                                  |   |     |              | P |                              |      |   | 11+ |     |              |  | P      |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  | PASS |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| TOT                                                                                                                                                                                                                                                                                                                                                                                                                       | 50+ | 5                             |  | C |   | 4   |      | 20.0 |    | 46+ |   | 4                        |     | D            |  | 4   |                             | 16.0 |   | 22+ |              | 4                       |    | D   |                                   | 2 |                            | 8.0          |  | 45+ |  | 10                                                                                                                   |   | O   |              | 2 |                              | 20.0 |   | 26+ |     | 5            |  | C      |  | 2      |   | 10.0 |              | 80+ |  | 9 |  | A+ |  | 4    |  | 36.0 |  | 23   |  | 4 |  | D     |  | 2 |  | 8.0 |  | 48+ |  | 10 |  | O |  | 2 |  | 20.0 |  | 22 |  |  |  | 138.0 |  | 6.27273 |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| #:0.229; @:O.5042A/O.5043A/O.5044A; *:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED; |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| ( NEP 2020 ) EXAMINATION HELD IN MAY 2026                                                                                                                                                                                                                                                                                                                                                                                 |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |  |   |   |     |      |      |    |     |   |                          |     |              |  |     |                             |      |   |     |              |                         |    |     |                                   |   |                            |              |  |     |  |                                                                                                                      |   |     |              |   |                              |      |   |     |     |              |  |        |  |        |   |      |              |     |  |   |  |    |  |      |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| %Marks                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                               |  |   |   |     | >=90 |      |    |     |   |                          |     | >=80 and <90 |  |     |                             |      |   |     | >=70 and <80 |                         |    |     |                                   |   |                            | >=60 and <70 |  |     |  |                                                                                                                      |   |     | >=55 and <60 |   |                              |      |   |     |     | >=50 and <55 |  |        |  |        |   |      | >=40 and <50 |     |  |   |  |    |  | < 40 |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| Grade                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |  |   |   |     | O    |      |    |     |   |                          |     | A+           |  |     |                             |      |   |     | A            |                         |    |     |                                   |   |                            | B+           |  |     |  |                                                                                                                      |   |     | B            |   |                              |      |   |     |     | C            |  |        |  |        |   |      | D            |     |  |   |  |    |  | F    |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |
| GRADE POINT                                                                                                                                                                                                                                                                                                                                                                                                               |     |                               |  |   |   |     | 10   |      |    |     |   |                          |     | 9            |  |     |                             |      |   |     | 8            |                         |    |     |                                   |   |                            | 7            |  |     |  |                                                                                                                      |   |     | 6            |   |                              |      |   |     |     | 5            |  |        |  |        |   |      | 4            |     |  |   |  |    |  | 0    |  |      |  |      |  |   |  |       |  |   |  |     |  |     |  |    |  |   |  |   |  |      |  |    |  |  |  |       |  |         |  |

MU-0548: VISHNU WAMAN THAKUR CHARITABLE TRUSTS BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE YASHVANT KESHAV PATIL COLLEGE OF COMMERCE VIDHYA DAYANAND PATIL COLLEGE OF ARTS VIVA COLLEGE

| SEAT NO                   |     |    |   |   |   |   |   |     |      | NAME                                        |     |    |   |   |    |   |     |     |      | STATUS                            |     |    |   |   | GENDER                                  |   |   |     |      | ERN                                                      |     |    |     |   | COLLEGE                                                                                                                                                                             |   |   |     |      |                             |     |    |    |   |                                          |   |   |     |      | TOTAL       |     |    |   |   | RESULT | REMARK |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
|---------------------------|-----|----|---|---|---|---|---|-----|------|---------------------------------------------|-----|----|---|---|----|---|-----|-----|------|-----------------------------------|-----|----|---|---|-----------------------------------------|---|---|-----|------|----------------------------------------------------------|-----|----|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----|------|-----------------------------|-----|----|----|---|------------------------------------------|---|---|-----|------|-------------|-----|----|---|---|--------|--------|-----|-----|------|--|-----|--|---|--|-------|--|---|------|------|--|-----|--|---|--|---|--|---|--|------|--|----|--|-------|---------|
| 57713                     |     |    |   |   |   |   |   |     |      | 57723                                       |     |    |   |   |    |   |     |     |      | 57733                             |     |    |   |   | 57735                                   |   |   |     |      | 57736                                                    |     |    |     |   | 57737                                                                                                                                                                               |   |   |     |      | 57761                       |     |    |    |   | 57764                                    |   |   |     |      | TOTAL (550) |     |    |   |   |        |        |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| Web3Technologies (THEORY) |     |    |   |   |   |   |   |     |      | Cyber Security and Risk Assessment (THEORY) |     |    |   |   |    |   |     |     |      | Ethical & Responsible AI (THEORY) |     |    |   |   | Web3 Technologies Practical (PRACTICAL) |   |   |     |      | Cyber Security and Risk Assessment Practical (PRACTICAL) |     |    |     |   | Research Project (PROJECT)                                                                                                                                                          |   |   |     |      | Data Visualization (THEORY) |     |    |    |   | Data Visualization Practical (PRACTICAL) |   |   |     |      | äC          |     |    |   |   | äCG    | äCG    |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| External (50/20)          |     |    |   |   |   |   |   |     |      | External (50/20)                            |     |    |   |   |    |   |     |     |      | External (25/10)                  |     |    |   |   | External (50/20)                        |   |   |     |      | External (50/20)                                         |     |    |     |   | External (50/20)                                                                                                                                                                    |   |   |     |      | External (25/10)            |     |    |    |   | External (50/20)                         |   |   |     |      |             |     |    |   |   |        |        |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| Internal(50/20)           |     |    |   |   |   |   |   |     |      | Internal(50/20)                             |     |    |   |   |    |   |     |     |      | Internal(25/10)                   |     |    |   |   |                                         |   |   |     |      |                                                          |     |    |     |   | Internal(50/20)                                                                                                                                                                     |   |   |     |      | Internal(25/10)             |     |    |    |   |                                          |   |   |     |      |             |     |    |   |   |        |        |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| TOT                       |     | GP |   | G |   | C |   | G*C |      | TOT                                         |     | GP |   | G |    | C |     | G*C |      | TOT                               |     | GP |   | G |                                         | C |   | G*C |      | TOT                                                      |     | GP |     | G |                                                                                                                                                                                     | C |   | G*C |      | TOT                         |     | GP |    | G |                                          | C |   | G*C |      | TOT         |     | GP |   | G |        | C      |     | G*C |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| 1293011                   |     |    |   |   |   |   |   |     |      | PATIL SUSHANT MARURI                        |     |    |   |   |    |   |     |     |      | Repeater                          |     |    |   |   | MALE                                    |   |   |     |      | (MU0341120241012992)                                     |     |    |     |   | MU-0548: Vishnu Waman Thakur Charitable Trusts Bhaskar Waman Thakur College of Science Yashvant Keshav Patil College of Commerce Vidhya Dayanand Patil College of Arts VIVA College |   |   |     |      |                             |     |    |    |   |                                          |   |   |     |      |             |     |    |   |   |        |        |     |     |      |  |     |  |   |  |       |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| E1                        | 30  |    |   |   | P |   |   |     | 21+  |                                             |     |    | P |   |    |   | 10+ |     |      |                                   | P   |    |   |   | 38+                                     |   |   |     | P    |                                                          |     |    | 46+ |   |                                                                                                                                                                                     |   | P |     |      |                             | 30+ |    |    |   | P                                        |   |   |     | 12+  |             |     |    | P |   |        |        | 28+ |     |      |  | P   |  |   |  | MARKS |  |   |      |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| l1                        | 41+ |    |   |   | P |   |   |     | 47+  |                                             |     |    | P |   |    |   | 21+ |     |      |                                   | P   |    |   |   | 38+                                     |   |   |     | P    |                                                          |     |    | 46+ |   |                                                                                                                                                                                     |   | P |     |      |                             | 40+ |    |    |   | P                                        |   |   |     | 21+  |             |     |    | P |   |        |        | 28+ |     |      |  | P   |  |   |  | (385) |  |   | PASS |      |  |     |  |   |  |   |  |   |  |      |  |    |  |       |         |
| TOT                       | 71  |    | 8 |   | A |   | 4 |     | 32.0 |                                             | 68+ |    | 7 |   | B+ |   | 4   |     | 28.0 |                                   | 31+ |    | 7 |   | B+                                      |   | 2 |     | 14.0 |                                                          | 38+ |    | 8   |   | A                                                                                                                                                                                   |   | 2 |     | 16.0 |                             | 46+ |    | 10 |   | O                                        |   | 2 |     | 20.0 |             | 70+ |    | 8 |   | A      |        | 4   |     | 32.0 |  | 33+ |  | 7 |  | B+    |  | 2 |      | 14.0 |  | 28+ |  | 6 |  | B |  | 2 |  | 12.0 |  | 22 |  | 168.0 | 7.63636 |

| SEAT NO                               |     |    |   |   |     |     |   |    |      | NAME                                                    |     |     |     |    |    |   |     |     |      | STATUS                                        |     |     |     |     | GENDER                                              |       |   |   |      | ERN                                                                     |      |    |       |   | COLLEGE                                                                                                                                                                             |     |   |    |      |                                      |     |  |   |  | TOTAL                                                |  |   |  |      | RESULT               |    | REMARK |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
|---------------------------------------|-----|----|---|---|-----|-----|---|----|------|---------------------------------------------------------|-----|-----|-----|----|----|---|-----|-----|------|-----------------------------------------------|-----|-----|-----|-----|-----------------------------------------------------|-------|---|---|------|-------------------------------------------------------------------------|------|----|-------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|----|------|--------------------------------------|-----|--|---|--|------------------------------------------------------|--|---|--|------|----------------------|----|--------|---|--|-----|--|-----|--|------|--|-----|--|---|--|---|--|---|--|-----|--|----|--|-------|--|---------|--|
| 57713<br>Web3Technologies<br>(THEORY) |     |    |   |   |     |     |   |    |      | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |     |     |     |    |    |   |     |     |      | 57733<br>Ethical & Responsible AI<br>(THEORY) |     |     |     |     | 57735<br>Web3 Technologies<br>Practical (PRACTICAL) |       |   |   |      | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |      |    |       |   | 57737<br>Research Project (PROJECT)                                                                                                                                                 |     |   |    |      | 57761<br>Data Visualization (THEORY) |     |  |   |  | 57764<br>Data Visualization Practical<br>(PRACTICAL) |  |   |  |      | TOTAL<br>(550)<br>āC |    |        |   |  | āCG |  | āCG |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| External (50/20)                      |     |    |   |   |     |     |   |    |      | External (50/20)                                        |     |     |     |    |    |   |     |     |      | External (25/10)                              |     |     |     |     | External (50/20)                                    |       |   |   |      | External (50/20)                                                        |      |    |       |   | External (50/20)                                                                                                                                                                    |     |   |    |      | External (25/10)                     |     |  |   |  | External (50/20)                                     |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| Internal(50/20)                       |     |    |   |   |     |     |   |    |      | Internal(50/20)                                         |     |     |     |    |    |   |     |     |      | Internal(25/10)                               |     |     |     |     |                                                     |       |   |   |      |                                                                         |      |    |       |   | Internal(50/20)                                                                                                                                                                     |     |   |    |      | Internal(25/10)                      |     |  |   |  |                                                      |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| TOT                                   |     | GP | G | C | G*C | TOT |   | GP | G    | C                                                       | G*C | TOT |     | GP | G  | C | G*C | TOT |      | GP                                            | G   | C   | G*C | TOT |                                                     | GP    | G | C | G*C  | TOT                                                                     |      | GP | G     | C | G*C                                                                                                                                                                                 | TOT |   | GP | G    | C                                    | G*C |  |   |  |                                                      |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| 1293012                               |     |    |   |   |     |     |   |    |      | JADHAV JATIN VIJAY                                      |     |     |     |    |    |   |     |     |      | Repeater                                      |     |     |     |     | MALE                                                |       |   |   |      | (MU0341120241012980)                                                    |      |    |       |   | MU-0548: Vishnu Waman Thakur Charitable Trusts Bhaskar Waman Thakur College of Science Yashvant Keshav Patil College of Commerce Vidhya Dayanand Patil College of Arts VIVA College |     |   |    |      |                                      |     |  |   |  |                                                      |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| E1                                    | 21+ |    | P |   | 21+ |     | P |    | 10+  |                                                         | P   |     | 35+ |    | P  |   | 41+ |     | P    |                                               | 36+ |     | P   |     | 14                                                  |       | P |   | 22+  |                                                                         | P    |    | MARKS |   |                                                                                                                                                                                     |     |   |    |      |                                      |     |  |   |  |                                                      |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| I1                                    | 42+ |    | P |   | 46+ |     | P |    | 21+  |                                                         | P   |     |     |    |    |   |     | 43+ |      | P                                             |     | 22+ |     | P   |                                                     | (374) |   |   |      |                                                                         | PASS |    |       |   |                                                                                                                                                                                     |     |   |    |      |                                      |     |  |   |  |                                                      |  |   |  |      |                      |    |        |   |  |     |  |     |  |      |  |     |  |   |  |   |  |   |  |     |  |    |  |       |  |         |  |
| TOT                                   | 63  |    | 7 |   | B+  |     | 4 |    | 28.0 |                                                         | 67+ |     | 7   |    | B+ |   | 2   |     | 14.0 |                                               | 35+ |     | 8   |     | A                                                   |       | 2 |   | 16.0 |                                                                         | 41+  |    | 9     |   | A+                                                                                                                                                                                  |     | 2 |    | 18.0 |                                      | 79+ |  | 8 |  | A                                                    |  | 4 |  | 32.0 |                      | 36 |        | 8 |  | A   |  | 2   |  | 16.0 |  | 22+ |  | 4 |  | D |  | 2 |  | 8.0 |  | 22 |  | 160.0 |  | 7.27273 |  |

#:0.229; @:O.5042A/O.5043A/O.5044A; \*:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED;

( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

**MU-321: DEPARTMENT OF COMPUTER SCIENCE**

| SEAT NO          |     |    |  |   | NAME                    |      |  |     |  | STATUS                   |  |   |   |      | GENDER                      |     |  |    |  | ERN                     |   |      |  |     | COLLEGE              |     |  |   |   |                                        |     |     |   |    | TOTAL                        | RESULT | REMARK |      |  |       |       |       |  |         |  |
|------------------|-----|----|--|---|-------------------------|------|--|-----|--|--------------------------|--|---|---|------|-----------------------------|-----|--|----|--|-------------------------|---|------|--|-----|----------------------|-----|--|---|---|----------------------------------------|-----|-----|---|----|------------------------------|--------|--------|------|--|-------|-------|-------|--|---------|--|
| 57713            |     |    |  |   | 57723                   |      |  |     |  | 57733                    |  |   |   |      | 57735                       |     |  |    |  | 57736                   |   |      |  |     | 57737                |     |  |   |   | 57761                                  |     |     |   |    | 57764                        |        |        |      |  | (550) |       |       |  |         |  |
| Web3Technologies |     |    |  |   | Cyber Security and Risk |      |  |     |  | Ethical & Responsible AI |  |   |   |      | Web3 Technologies Practical |     |  |    |  | Cyber Security and Risk |   |      |  |     | Research Project     |     |  |   |   | Data Visualization                     |     |     |   |    | Data Visualization Practical |        |        |      |  | āC    | āCG   | āCG   |  |         |  |
| (THEORY)         |     |    |  |   | (THEORY)                |      |  |     |  | (THEORY)                 |  |   |   |      | (PRACTICAL)                 |     |  |    |  | (PRACTICAL)             |   |      |  |     | (PROJECT)            |     |  |   |   | (THEORY)                               |     |     |   |    | (PRACTICAL)                  |        |        |      |  |       |       |       |  |         |  |
| External (50/20) |     |    |  |   | External (50/20)        |      |  |     |  | External (25/10)         |  |   |   |      | External (50/20)            |     |  |    |  | External (50/20)        |   |      |  |     | External (50/20)     |     |  |   |   | External (25/10)                       |     |     |   |    | External (50/20)             |        |        |      |  |       |       |       |  |         |  |
| Internal(50/20)  |     |    |  |   | Internal(50/20)         |      |  |     |  | Internal(25/10)          |  |   |   |      |                             |     |  |    |  |                         |   |      |  |     | Internal(50/20)      |     |  |   |   | Internal(25/10)                        |     |     |   |    |                              |        |        |      |  |       |       |       |  |         |  |
| TOT              |     | GP |  | G | C                       | G*C  |  | TOT |  | GP                       |  | G | C | G*C  |                             | TOT |  | GP |  | G                       | C | G*C  |  | TOT |                      | GP  |  | G | C | G*C                                    |     | TOT |   | GP |                              | G      | C      | G*C  |  |       |       |       |  |         |  |
| 1293006          |     |    |  |   | SHAIKH ARIF HASAN ALI   |      |  |     |  |                          |  |   |   |      | Repeater                    |     |  |    |  | MALE                    |   |      |  |     | (MU0341120241002276) |     |  |   |   | MU-321: Department of Computer Science |     |     |   |    |                              |        |        |      |  |       |       |       |  |         |  |
| E1               | 24  |    |  | P |                         |      |  | 25+ |  |                          |  | P |   | 15   |                             |     |  | P  |  | 48+                     |   |      |  | P   |                      | 49+ |  | P |   |                                        | 11+ |     | P |    |                              | 48+    |        | P    |  |       | MARKS |       |  |         |  |
| l1               | 30+ |    |  | P |                         |      |  | 32+ |  |                          |  | P |   | 25+  |                             |     |  | P  |  | 48+                     |   |      |  | P   |                      | 45+ |  | P |   |                                        | 16+ |     | P |    |                              | 48+    |        | P    |  |       | PASS  |       |  |         |  |
| TOT              | 54  | 5  |  | C | 4                       | 20.0 |  | 57+ |  | 6                        |  | B | 4 | 24.0 |                             | 40  |  | 9  |  | A+                      | 2 | 18.0 |  | 48+ |                      | 10  |  | O | 2 | 20.0                                   |     | 48+ |   | 10 |                              | O      | 2      | 20.0 |  | 22    |       | 172.0 |  | 7.81818 |  |

#:0.229; @:O.5042A/O.5043A/O.5044A; \*:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED;

( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |

| SEAT NO                   |     |  |  |  |    |  |  |  |   | NAME                                        |  |  |   |  |   |  |      |  |  | STATUS                            |     |  |  |  | GENDER                                  |  |  |  |   | ERN                                                      |  |  |     |  | COLLEGE                                |  |      |  |  |                             |     |  |  |  | TOTAL                                    |  |  |  |   | RESULT | REMARK |     |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
|---------------------------|-----|--|--|--|----|--|--|--|---|---------------------------------------------|--|--|---|--|---|--|------|--|--|-----------------------------------|-----|--|--|--|-----------------------------------------|--|--|--|---|----------------------------------------------------------|--|--|-----|--|----------------------------------------|--|------|--|--|-----------------------------|-----|--|--|--|------------------------------------------|--|--|--|---|--------|--------|-----|---|--|----|--|------|--|--|---|-----|--|--|--|---|--|--|--|-----|-----|--|--|---|--|--|--|------|--|--|--|-------|--|--|--|------|--|--|--|---|--|--|--|-------|--|--|--|------|--|--|--|----|--|--|--|---|--|--|--|----|--|--|--|---|--|--|--|------|--|--|--|----|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|------|--|--|--|-----|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|------|--|--|--|----|--|--|--|-------|--|--|--|---------|--|--|--|
| 57713                     |     |  |  |  |    |  |  |  |   | 57723                                       |  |  |   |  |   |  |      |  |  | 57733                             |     |  |  |  | 57735                                   |  |  |  |   | 57736                                                    |  |  |     |  | 57737                                  |  |      |  |  | 57761                       |     |  |  |  | 57764                                    |  |  |  |   | (550)  |        |     |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| Web3Technologies (THEORY) |     |  |  |  |    |  |  |  |   | Cyber Security and Risk Assessment (THEORY) |  |  |   |  |   |  |      |  |  | Ethical & Responsible AI (THEORY) |     |  |  |  | Web3 Technologies Practical (PRACTICAL) |  |  |  |   | Cyber Security and Risk Assessment Practical (PRACTICAL) |  |  |     |  | Research Project (PROJECT)             |  |      |  |  | Data Visualization (THEORY) |     |  |  |  | Data Visualization Practical (PRACTICAL) |  |  |  |   | āC     | āCG    | āCG |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| External (50/20)          |     |  |  |  |    |  |  |  |   | External (50/20)                            |  |  |   |  |   |  |      |  |  | External (25/10)                  |     |  |  |  | External (50/20)                        |  |  |  |   | External (50/20)                                         |  |  |     |  | External (50/20)                       |  |      |  |  | External (25/10)            |     |  |  |  | External (50/20)                         |  |  |  |   |        |        |     |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| Internal(50/20)           |     |  |  |  |    |  |  |  |   | Internal(50/20)                             |  |  |   |  |   |  |      |  |  | Internal(25/10)                   |     |  |  |  |                                         |  |  |  |   |                                                          |  |  |     |  | Internal(50/20)                        |  |      |  |  | Internal(25/10)             |     |  |  |  |                                          |  |  |  |   |        |        |     |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| TOT                       |     |  |  |  | GP |  |  |  |   | G                                           |  |  |   |  | C |  |      |  |  | G*C                               |     |  |  |  | TOT                                     |  |  |  |   | GP                                                       |  |  |     |  | G                                      |  |      |  |  | C                           |     |  |  |  | G*C                                      |  |  |  |   | TOT    |        |     |   |  | GP |  |      |  |  | G |     |  |  |  | C |  |  |  |     | G*C |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| 1293007                   |     |  |  |  |    |  |  |  |   | MANISH VIJAY PRASAD                         |  |  |   |  |   |  |      |  |  | Repeater                          |     |  |  |  | MALE                                    |  |  |  |   | (MU0341120241002421)                                     |  |  |     |  | MU-321: Department of Computer Science |  |      |  |  |                             |     |  |  |  |                                          |  |  |  |   |        |        |     |   |  |    |  |      |  |  |   |     |  |  |  |   |  |  |  |     |     |  |  |   |  |  |  |      |  |  |  |       |  |  |  |      |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| E1                        | 20+ |  |  |  |    |  |  |  | P |                                             |  |  |   |  |   |  | 11+  |  |  |                                   |     |  |  |  | P                                       |  |  |  |   |                                                          |  |  | 37+ |  |                                        |  |      |  |  |                             | P   |  |  |  | 48+                                      |  |  |  |   |        |        |     | P |  |    |  | 48+  |  |  |   |     |  |  |  | P |  |  |  | 12+ |     |  |  |   |  |  |  | P    |  |  |  | 37+   |  |  |  |      |  |  |  | P |  |  |  | MARKS |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| II                        | 30+ |  |  |  |    |  |  |  | P |                                             |  |  |   |  |   |  | 25+  |  |  |                                   |     |  |  |  | P                                       |  |  |  |   |                                                          |  |  | 37+ |  |                                        |  |      |  |  |                             | P   |  |  |  | 48+                                      |  |  |  |   |        |        |     | P |  |    |  | 48+  |  |  |   |     |  |  |  | P |  |  |  | 13+ |     |  |  |   |  |  |  | P    |  |  |  | (375) |  |  |  | PASS |  |  |  |   |  |  |  |       |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |    |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |      |  |  |  |    |  |  |  |       |  |  |  |         |  |  |  |
| TOT                       | 50  |  |  |  | 5  |  |  |  | C |                                             |  |  | 4 |  |   |  | 20.0 |  |  |                                   | 59+ |  |  |  | 6                                       |  |  |  | B |                                                          |  |  | 4   |  |                                        |  | 24.0 |  |  |                             | 36+ |  |  |  | 8                                        |  |  |  | A |        |        |     | 2 |  |    |  | 16.0 |  |  |   | 37+ |  |  |  | 8 |  |  |  | A   |     |  |  | 2 |  |  |  | 16.0 |  |  |  | 48+   |  |  |  | 10   |  |  |  | O |  |  |  | 2     |  |  |  | 20.0 |  |  |  | 83 |  |  |  | 9 |  |  |  | A+ |  |  |  | 4 |  |  |  | 36.0 |  |  |  | 25 |  |  |  | 5 |  |  |  | C |  |  |  | 2 |  |  |  | 10.0 |  |  |  | 37+ |  |  |  | 8 |  |  |  | A |  |  |  | 2 |  |  |  | 16.0 |  |  |  | 22 |  |  |  | 158.0 |  |  |  | 7.18182 |  |  |  |

| SEAT NO                               |     |  |  |  |  |  |  |  |  | NAME                                                    |  |  |  |  |  |  |  |  |     | STATUS                                        |  |  |  |  | GENDER                                              |  |  |   |  | ERN                                                                     |  |  |  |  | COLLEGE                                |  |      |  |  |                                         |  |  |  |  | TOTAL                                                |     |  |  |  | RESULT               |  |  |  |  | REMARK         |  |  |  |  |     |  |  |  |    |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
|---------------------------------------|-----|--|--|--|--|--|--|--|--|---------------------------------------------------------|--|--|--|--|--|--|--|--|-----|-----------------------------------------------|--|--|--|--|-----------------------------------------------------|--|--|---|--|-------------------------------------------------------------------------|--|--|--|--|----------------------------------------|--|------|--|--|-----------------------------------------|--|--|--|--|------------------------------------------------------|-----|--|--|--|----------------------|--|--|--|--|----------------|--|--|--|--|-----|--|--|--|----|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|
| 57713<br>Web3Technologies<br>(THEORY) |     |  |  |  |  |  |  |  |  | 57723<br>Cyber Security and Risk<br>Assessment (THEORY) |  |  |  |  |  |  |  |  |     | 57733<br>Ethical & Responsible AI<br>(THEORY) |  |  |  |  | 57735<br>Web3 Technologies Practical<br>(PRACTICAL) |  |  |   |  | 57736<br>Cyber Security and Risk<br>Assessment Practical<br>(PRACTICAL) |  |  |  |  | 57737<br>Research Project<br>(PROJECT) |  |      |  |  | 57761<br>Data Visualization<br>(THEORY) |  |  |  |  | 57764<br>Data Visualization Practical<br>(PRACTICAL) |     |  |  |  | TOTAL<br>(550)<br>āC |  |  |  |  | āCG            |  |  |  |  | āCG |  |  |  |    |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| External (50/20)<br>Internal(50/20)   |     |  |  |  |  |  |  |  |  | External (50/20)<br>Internal(50/20)                     |  |  |  |  |  |  |  |  |     | External (25/10)<br>Internal(25/10)           |  |  |  |  | External (50/20)                                    |  |  |   |  | External (50/20)                                                        |  |  |  |  | External (50/20)<br>Internal(50/20)    |  |      |  |  | External (25/10)<br>Internal(25/10)     |  |  |  |  | External (50/20)                                     |     |  |  |  |                      |  |  |  |  |                |  |  |  |  |     |  |  |  |    |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| TOT GP G C G*C                        |     |  |  |  |  |  |  |  |  | TOT GP G C G*C                                          |  |  |  |  |  |  |  |  |     | TOT GP G C G*C                                |  |  |  |  | TOT GP G C G*C                                      |  |  |   |  | TOT GP G C G*C                                                          |  |  |  |  | TOT GP G C G*C                         |  |      |  |  | TOT GP G C G*C                          |  |  |  |  | TOT GP G C G*C                                       |     |  |  |  | TOT GP G C G*C       |  |  |  |  | TOT GP G C G*C |  |  |  |  |     |  |  |  |    |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| 1293008                               |     |  |  |  |  |  |  |  |  | RAVI SHANKAR PRANENDRA MISHRA                           |  |  |  |  |  |  |  |  |     | Repeater                                      |  |  |  |  | MALE                                                |  |  |   |  | (MU0341120241003415)                                                    |  |  |  |  | MU-321: Department of Computer Science |  |      |  |  |                                         |  |  |  |  |                                                      |     |  |  |  |                      |  |  |  |  |                |  |  |  |  |     |  |  |  |    |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| E1                                    | 20+ |  |  |  |  |  |  |  |  | P                                                       |  |  |  |  |  |  |  |  | 12+ |                                               |  |  |  |  |                                                     |  |  | P |  |                                                                         |  |  |  |  |                                        |  | 49+  |  |  |                                         |  |  |  |  |                                                      | P   |  |  |  |                      |  |  |  |  | 48+            |  |  |  |  |     |  |  |  | P  |  |  |  |  |  |  |  |  | 48+ |  |  |  |  |  |  |  |  | P    |  |  |  |  |  |  |  |  | 48+ |  |  |  |  |  |  |  |  | P |  |  |  |  |  |  |  |  | MARKS |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| II                                    | 30+ |  |  |  |  |  |  |  |  | P                                                       |  |  |  |  |  |  |  |  | 31+ |                                               |  |  |  |  |                                                     |  |  | P |  |                                                                         |  |  |  |  |                                        |  | 24+  |  |  |                                         |  |  |  |  |                                                      | P   |  |  |  |                      |  |  |  |  | 35             |  |  |  |  |     |  |  |  | P  |  |  |  |  |  |  |  |  | 10+ |  |  |  |  |  |  |  |  | P    |  |  |  |  |  |  |  |  | 48+ |  |  |  |  |  |  |  |  | P |  |  |  |  |  |  |  |  | (395) |  |  |  |  |  |  |  |  | PASS |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |
| TOT                                   | 50+ |  |  |  |  |  |  |  |  | 5                                                       |  |  |  |  |  |  |  |  | C   |                                               |  |  |  |  |                                                     |  |  | 4 |  |                                                                         |  |  |  |  |                                        |  | 20.0 |  |  |                                         |  |  |  |  |                                                      | 60+ |  |  |  |                      |  |  |  |  | 7              |  |  |  |  |     |  |  |  | B+ |  |  |  |  |  |  |  |  | 4   |  |  |  |  |  |  |  |  | 28.0 |  |  |  |  |  |  |  |  | 36+ |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  | A     |  |  |  |  |  |  |  |  | 2    |  |  |  |  |  |  |  |  | 16.0 |  |  |  |  |  |  |  |  | 49+ |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  | 20.0 |  |  |  |  |  |  |  |  | 48+ |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  | 20.0 |  |  |  |  |  |  |  |  | 83 |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  | A+ |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  | 36.0 |  |  |  |  |  |  |  |  | 21 |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  | D |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  | 8.0 |  |  |  |  |  |  |  |  | 48+ |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  | 20.0 |  |  |  |  |  |  |  |  | 22 |  |  |  |  |  |  |  |  | 168.0 |  |  |  |  |  |  |  |  | 7.63636 |  |  |  |  |  |  |  |  |

#:0.229; @:O.5042A/O.5043A/O.5044A; \*:O.5045A; AA/ABS: ABSENT; P: SUCCESSFUL; F: UNSUCCESSFUL; E: EXMP CAN BE CLAIMED; ~: Dyslexia; +: MARKS CARRIED FORWARD; \$: ADDITIONAL CREDIT; RCC: O.5050; RPV: PROVISIONAL; NULL: NULL & VOID.; ADC: ADMISSION CANCELLED; RR: RESERVED; C: CREDIT POINTS EARNED; G: GRADE POINTS; äC: SUM OF C; äCG: SUM OF CxG; SGPI: SEMESTER GRADE PERFORMANCE INDEX = äCG / äC; RR: RESERVED;

( NEP 2020 ) EXAMINATION HELD IN MAY 2026

| %Marks      | >=90 | >=80 and <90 | >=70 and <80 | >=60 and <70 | >=55 and <60 | >=50 and <55 | >=40 and <50 | < 40 |
|-------------|------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
| GRADE POINT | 10   | 9            | 8            | 7            | 6            | 5            | 4            | 0    |