

(56033) : 56033 : Atomic and Molecular- Structure and Spectroscopy  
(56064) : 56064 : Physical Chemistry Practical-II

| 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 |
| 56013       | Polymer, Surface and Photochemistry                         | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 56023       | Nano Chemistry, Statistical Mechanics and Nuclear Chemistry | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 56033       | Atomic and Molecular- Structure and Spectroscopy            | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |
| 56061       | Physical Chemistry Practical- I                             | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 56062       | Advanced Instrumental Techniques-I                          | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 56064       | Physical Chemistry Practical-II                             | 2.00           | 10.00                     | 25.00     | 10.00                     | 25.00     | 20.00                | 50.00     |
| 56099       | Research Project                                            | 4.00           | 20.00                     | 50.00     | 20.00                     | 50.00     | 40.00                | 100.00    |

( 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-0079: HAZARIMAL SOMANI COLLEGE OF ARTS AND SCIENCE AND JAYARAMDAS PATEL COLLEGE OF COMMERCE**

| SEAT NO                                      |  |  |  |  | NAME                                                                 |  |  |  |  | STATUS                                                    |  |  |  |  | GENDER                                      |  |  |  |  | ERN                                         |  |  |  |  | COLLEGE                                                                                        |  |  |  |  | TOTAL                      |  |  |  |  | RESULT | REMARK |         |
|----------------------------------------------|--|--|--|--|----------------------------------------------------------------------|--|--|--|--|-----------------------------------------------------------|--|--|--|--|---------------------------------------------|--|--|--|--|---------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------|--|--|--|--|----------------------------|--|--|--|--|--------|--------|---------|
| 56013                                        |  |  |  |  | 56023                                                                |  |  |  |  | 56033                                                     |  |  |  |  | 56061                                       |  |  |  |  | 56062                                       |  |  |  |  | 56064                                                                                          |  |  |  |  | 56099                      |  |  |  |  | (550)  |        |         |
| Polymer, Surface and Photochemistry (THEORY) |  |  |  |  | Nano Chemistry, Statistical Mechanics and Nuclear Chemistry (THEORY) |  |  |  |  | Atomic and Molecular- Structure and Spectroscopy (THEORY) |  |  |  |  | Physical Chemistry Practical- I (PRACTICAL) |  |  |  |  | Advanced Instrumental Techniques-I (THEORY) |  |  |  |  | Physical Chemistry Practical-II (PRACTICAL)                                                    |  |  |  |  | Research Project (PROJECT) |  |  |  |  | āC     | āCG    | āCG     |
| External (50/20)                             |  |  |  |  | External (50/20)                                                     |  |  |  |  | External (50/20)                                          |  |  |  |  | External (25/10)                            |  |  |  |  | External (25/10)                            |  |  |  |  | External (25/10)                                                                               |  |  |  |  | External (50/20)           |  |  |  |  |        |        |         |
| Internal(50/20)                              |  |  |  |  | Internal(50/20)                                                      |  |  |  |  | Internal(50/20)                                           |  |  |  |  | Internal(25/10)                             |  |  |  |  | Internal(25/10)                             |  |  |  |  | Internal(25/10)                                                                                |  |  |  |  | Internal(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             |  |  |  |  |        |        |         |
| 1103001                                      |  |  |  |  | SHAIKH AFROZ ABDUL KADIR                                             |  |  |  |  | Repeater                                                  |  |  |  |  | FEMALE                                      |  |  |  |  | (MU0341120241025484)                        |  |  |  |  | MU-0079: Hazarimal Somani College of Arts and Science and Jayaramdas Patel College of Commerce |  |  |  |  |                            |  |  |  |  |        |        |         |
| E1 25+                                       |  |  |  |  | 28+                                                                  |  |  |  |  | 33                                                        |  |  |  |  | 22+                                         |  |  |  |  | 17+                                         |  |  |  |  | 25+                                                                                            |  |  |  |  | 44+                        |  |  |  |  | MARKS  |        |         |
| I1 47+                                       |  |  |  |  | 48+                                                                  |  |  |  |  | 46+                                                       |  |  |  |  | 24+                                         |  |  |  |  | 23+                                         |  |  |  |  | 25+                                                                                            |  |  |  |  | 46+                        |  |  |  |  | (453)  |        | PASS    |
| TOT 72+                                      |  |  |  |  | 76+                                                                  |  |  |  |  | 79                                                        |  |  |  |  | 46+                                         |  |  |  |  | 40+                                         |  |  |  |  | 50+                                                                                            |  |  |  |  | 90+                        |  |  |  |  | 22     | 194.0  | 8.81818 |

#: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 |
|----------------------------------------------|-----|---|----|-----|----------------------------------------------------------------------|-----|---|----|-----|-----------------------------------------------------------|----|---|----|-----|---------------------------------------------|-----|---|----|-----|---------------------------------------------|-----|---|---|-----|---------------------------------------------|-----|---|----|-----|------------------------------------------------------------------------------------------------|-----|---|---|-----|-------|----|-------|---------|-----|-------|----|-----|-----|--|--------|--------|
| 56013                                        |     |   |    |     | 56023                                                                |     |   |    |     | 56033                                                     |    |   |    |     | 56061                                       |     |   |    |     | 56062                                       |     |   |   |     | 56064                                       |     |   |    |     | 56099                                                                                          |     |   |   |     | TOTAL |    |       |         |     | (550) | äC | äCG | äCG |  |        |        |
| Polymer, Surface and Photochemistry (THEORY) |     |   |    |     | Nano Chemistry, Statistical Mechanics and Nuclear Chemistry (THEORY) |     |   |    |     | Atomic and Molecular- Structure and Spectroscopy (THEORY) |    |   |    |     | Physical Chemistry Practical- I (PRACTICAL) |     |   |    |     | Advanced Instrumental Techniques-I (THEORY) |     |   |   |     | Physical Chemistry Practical-II (PRACTICAL) |     |   |    |     | Research Project (PROJECT)                                                                     |     |   |   |     |       |    |       |         |     |       |    |     |     |  |        |        |
| External (50/20)                             |     |   |    |     | External (50/20)                                                     |     |   |    |     | External (50/20)                                          |    |   |    |     | External (25/10)                            |     |   |    |     | External (25/10)                            |     |   |   |     | External (25/10)                            |     |   |    |     | External (50/20)                                                                               |     |   |   |     |       |    |       |         |     |       |    |     |     |  |        |        |
| Internal(50/20)                              |     |   |    |     | Internal(50/20)                                                      |     |   |    |     | Internal(50/20)                                           |    |   |    |     | Internal(25/10)                             |     |   |    |     | Internal(25/10)                             |     |   |   |     | Internal(25/10)                             |     |   |    |     | Internal(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 |       |    |     |     |  |        |        |
| 1103002                                      |     |   |    |     | VILAS HANUMANT KADAM                                                 |     |   |    |     |                                                           |    |   |    |     | Repeater                                    |     |   |    |     | MALE                                        |     |   |   |     | (MU0341120241029948)                        |     |   |    |     | MU-0079: Hazarimal Somani College of Arts and Science and Jayaramdas Patel College of Commerce |     |   |   |     |       |    |       |         |     |       |    |     |     |  |        |        |
| E1                                           | 26+ |   | P  |     | 29+                                                                  |     | P |    |     | 31                                                        |    | P |    |     | 23+                                         |     | P |    |     | 20+                                         |     | P |   |     | 25+                                         |     | P |    |     | 37+                                                                                            |     | P |   |     | MARKS |    |       |         |     |       |    |     |     |  |        |        |
| I1                                           | 37+ |   | P  |     | 36+                                                                  |     | P |    |     | 35+                                                       |    | P |    |     | 20+                                         |     | P |    |     | 17+                                         |     | P |   |     | 19+                                         |     | P |    |     | 38+                                                                                            |     | P |   |     | (393) |    |       | PASS    |     |       |    |     |     |  |        |        |
| TOT                                          | 63+ | 7 | B+ | 4   | 28.0                                                                 | 65+ | 7 | B+ | 4   | 28.0                                                      | 66 | 7 | B+ | 4   | 28.0                                        | 43+ | 9 | A+ | 2   | 18.0                                        | 37+ | 8 | A | 2   | 16.0                                        | 44+ | 9 | A+ | 2   | 18.0                                                                                           | 75+ | 8 | A | 4   | 32.0  | 22 | 168.0 | 7.63636 |     |       |    |     |     |  |        |        |

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| Grade       | O    | A+           | A            | B+           | B            | C            | D            | F    |
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