



# SARDAR PATEL UNIVERSITY, BALAGHAT

## School of Engineering and Technology

### Scheme of Examination

Course: Diploma Branch: Mechanical Semester: VI Sem

Academic Session: 2024-25

w.e.f. :\_02-09-2024

| S.No. | Sub Code | Subject Name                          | Maximum Marks Allotted |            |            |            | Total      | Contact Hours per week |          |           | Total Credit |
|-------|----------|---------------------------------------|------------------------|------------|------------|------------|------------|------------------------|----------|-----------|--------------|
|       |          |                                       | Theory                 |            | Practical  |            |            | L                      | T        | P         |              |
|       |          |                                       | CAT II                 | CAT I      | End        | Lab work   |            |                        |          |           |              |
| 1     | DME061   | Refrigeration and Airconditioning     | 70                     | 30         | 0          | 0          | 100        | 3                      | 1        | 0         | 4            |
| 2     | DME062   | Automobile Engineering                | 70                     | 30         | 0          | 0          | 100        | 3                      | 1        | 0         | 4            |
|       | DME063   | Dynamics of Machines                  | 70                     | 30         | 0          | 0          | 100        | 3                      | 1        | 0         | 4            |
| 3     | DME064   | Elective-II                           | 70                     | 30         | 0          | 0          | 100        | 3                      | 1        | 0         | 4            |
| 2     | DME061P  | Refrigeration and Airconditioning Lab | 0                      | 0          | 20         | 30         | 50         | 0                      | 0        | 2         | 1            |
| 3     | DME062P  | Automobile Engineering Lab            | 0                      | 0          | 20         | 30         | 50         | 0                      | 0        | 2         | 1            |
| 4     | DME065P  | Major Project                         | 0                      | 0          | 100        | 200        | 300        | 0                      | 0        | 12        | 6            |
| 5     | DME066P  | Seminar and Group Discussion          | 0                      | 0          | 20         | 30         | 50         | 0                      | 0        | 4         | 2            |
|       |          | <b>TOTAL</b>                          | <b>280</b>             | <b>120</b> | <b>160</b> | <b>290</b> | <b>850</b> | <b>12</b>              | <b>4</b> | <b>20</b> | <b>26</b>    |

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| 1 Hr Lecture    | 1 Hr Tutorial   | 2 Hr Practical  |
| <b>1 Credit</b> | <b>1 Credit</b> | <b>1 Credit</b> |

|                 |            |
|-----------------|------------|
| THEORY MARKS    | 400        |
| PRACTICAL MARKS | 450        |
| <b>Total</b>    | <b>850</b> |

|                   |           |
|-------------------|-----------|
| Theory Credits    | 16        |
| Practical Credits | 10        |
| <b>Total</b>      | <b>26</b> |

|   |
|---|
| <b>Elective -II (DME064)</b>                              |
| DME0641- Modern Practices in Manufacturing and Management |
| DME0642-Power Plant Engineering                           |

**Note: Two subjects out of five must be learned through MOOCs/Swayam/NPTEL.**