

# V SEMESTER

## STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es) :- **Mechanical Engineering**

Semester: -**Fifth**

Annexure: I  
Special BOS: 28.03.2019

### THEORY COURSES:

| S. No. | Course No. | Course Title                     | Study Scheme Pds./ wk. |          | Evaluation Scheme                 |             |               |               |            |
|--------|------------|----------------------------------|------------------------|----------|-----------------------------------|-------------|---------------|---------------|------------|
|        |            |                                  | L                      | P        | Duration of end sem. exam<br>Hrs. | Max. Marks  |               |               | Total      |
|        |            |                                  |                        |          |                                   | Course Work | Mid Sem. Exam | End Sem. Exam |            |
| 1      | BME-501    | Industrial Engineering           | 4                      | 0        | 2                                 | 10          | 15            | 75            | 100        |
| 2      | BME-502    | Hydraulics & Pneumatics          | 4                      | 0        | 2                                 | 10          | 15            | 75            | 100        |
| 3      | BME-503    | Applied Thermodynamics           | 4                      | 0        | 2                                 | 10          | 15            | 75            | 100        |
| 4      | BME-504    | Refrigeration & Air Conditioning | 4                      | 0        | 2                                 | 10          | 15            | 75            | 100        |
| 5      | BME-505    | Production Technology -III       | 4                      | 0        | 2                                 | 10          | 15            | 75            | 100        |
|        |            | <b>Total</b>                     | <b>20</b>              | <b>0</b> |                                   | <b>50</b>   | <b>75</b>     | <b>375</b>    | <b>500</b> |

### PRACTICAL COURSES:

|   |         |                            |           |           |   |            |           |            |            |
|---|---------|----------------------------|-----------|-----------|---|------------|-----------|------------|------------|
| 1 | BME-591 | Workshop Practice -V       | 0         | 6         | 2 | 80         | --        | 40         | 120        |
| 2 | BME-592 | CAD Lab-II                 | 0         | 2         | 2 | 50         | --        | 30         | 80         |
| 3 | BME-593 | Applied Thermodynamics Lab | 0         | 2         | 2 | 50         | --        | 30         | 80         |
| 4 | BME-594 | Project                    | 0         | 3         | 2 | 80         | --        | 40         | 120        |
|   |         | <b>Total</b>               | <b>0</b>  | <b>13</b> |   | <b>260</b> | <b>--</b> | <b>140</b> | <b>400</b> |
|   |         | <b>Grant Total</b>         | <b>20</b> | <b>13</b> |   | <b>310</b> | <b>75</b> | <b>515</b> | <b>900</b> |

Period per week: 20+13=33

# VI SEMESTER

## STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch: - **Mechanical Engineering**

Semester: - **Sixth**

Annexure: I  
Special BOS: 28.03.2019

### THEORY COURSES:

| S.No         | Course No.  | Course Title                                         | Study Scheme Pds./ wk. |          | Evaluation Scheme         |            |             |               |               |
|--------------|-------------|------------------------------------------------------|------------------------|----------|---------------------------|------------|-------------|---------------|---------------|
|              |             |                                                      |                        |          | Duration of end sem. Exam | Max. Marks |             |               |               |
|              |             |                                                      | L                      | P        |                           | Hrs.       | Course Work | Mid Sem. Exam | End Sem. Exam |
| 1            | BME-601     | Industrial Management & Entrepreneurship Development | 4                      | 0        | 2                         | 10         | 15          | 75            | 100           |
| 2            | BME-602     | Machine Design                                       | 4                      | 0        | 2                         | 10         | 15          | 75            | 100           |
| 3            | BME-603     | Automobile Engineering                               | 4                      | 0        | 2                         | 10         | 15          | 75            | 100           |
| 4            | BME-604     | Machine Tools & Maintenance                          | 4                      | 0        | 2                         | 10         | 15          | 75            | 100           |
| 5            | BCE-605 (a) | Environmental Science and Management                 | 3                      | 0        | 2                         | 10         | 15          | 75            | 100           |
|              | BME-605 (b) | Non-Conventional Energy Sources                      |                        |          |                           |            |             |               |               |
|              | BME-605 (c) | Total Quality Management                             |                        |          |                           |            |             |               |               |
| <b>Total</b> |             |                                                      | <b>19</b>              | <b>0</b> |                           | <b>50</b>  | <b>75</b>   | <b>375</b>    | <b>500</b>    |

### PRACTICAL COURSES:

|                    |         |                             |           |            |   |            |           |            |            |
|--------------------|---------|-----------------------------|-----------|------------|---|------------|-----------|------------|------------|
| 1                  | BME-691 | Workshop Practice-VI        | 0         | 6          | 2 | 80         | --        | 40         | 120        |
| 2                  | BME-692 | Automobile Lab              | 0         | 2          | 2 | 50         | --        | 30         | 80         |
| 3                  | BME-693 | Hydraulics & Pneumatics Lab | 0         | 4<br>(2*2) | 2 | 50         | --        | 30         | 80         |
| 4                  | BME-694 | Project                     | 0         | 3          | 2 | 80         | --        | 40         | 120        |
| <b>Total</b>       |         |                             | <b>0</b>  | <b>15</b>  |   | <b>260</b> | <b>--</b> | <b>140</b> | <b>400</b> |
| <b>Grant Total</b> |         |                             | <b>19</b> | <b>15</b>  |   | <b>310</b> | <b>75</b> | <b>515</b> | <b>900</b> |

Period per week: 19+15=34