

## Equivalence for Subject of B. E. Mechanical Engineering

| Old Syllabus of BE MECH<br>w.e.f. 2010-11 |                                  |     |     |    |     |     |       | New Syllabus of BE MECH<br>w.e.f. 2015-16 |                                  |     |     |     |     |     |       |   |
|---|----------------------------------|-----|-----|----|-----|-----|-------|---|----------------------------------|-----|-----|-----|-----|-----|-------|---|
| SEMESTER-I                                |                                  |     |     |    |     |     |       |   |                                  |     |     |     |     |     |       |   |
| Sr. No.                                   | Subject                          | SEM | TP  | TW | OE  | POE | Total | Sr. No.                                   | Subject                          | SEM | TP  | TW  | OE  | POE | Total | Remark                                      |
| 01  | I C Engine                       | I   | 100 | 25 | 25  | -   | 150   | 01  |                                  |     |     |     |     |     |       | No Equivalence                              |
| 02  | Power Plant Engineering          | I   | 100 | 25 | -   | -   | 125   | 02  |                                  |     |     |     |     |     |       | No Equivalence                              |
| 03  | Operation Research               | I   | 100 | 25 | -   | -   | 125   | 03  | Operation Research               | I   | 100 | 25  | -   | -   | 125   | -   |
| 04  | Finite Element Methods           | I   | 100 | 25 | -   | -   | 125   |   | Finite Element Methods           | I   | 100 | 25  | 25  | -   | 150   | Equivalence through Professional Elective-3 |
| 05  | Elective-I                       | I   | 100 | 25 | 25  | -   | 150   | 05  | Free Elective-I                  | I   | 100 | 25  | -   | -   | 125   | Marks changed                               |
| 06  | Project Work-I                   | I   | -   | 25 |     |     | 25    | 06  | Project Work-I                   | I   | -   | 50  |     | -   | 50    | Marks changed                               |
| 07  | Vacational Training              | I   | -   | 25 | 25  |     | 50    | 07  | Industrial Training              |     |     | 50  | 25  |     | 75    | Marks changed                               |
| SEMESTER-II                               |                                  |     |     |    |     |     |       |   |                                  |     |     |     |     |     |       |   |
| 01  | Refrigeration & Air conditioning | II  | 100 | 25 | 25  |     | 150   | 01  | Refrigeration & Air conditioning | I   | 100 | 25  | 25  |     | 150   | Semester Changed                            |
| 02  | Industrial & Quality Management  | II  | 100 | 25 | -   |     | 125   | 02  | Industrial & Quality Management  | II  | 100 | 25  | -   |     | 125   | -   |
| 03  | Mechatronics                     | II  | 100 | 25 | 25* |     | 150   | 03  | Mechatronics                     | II  | 100 | 25  | 25  |     | 150   | Equivalence through Professional Elective-4 |
| 04  | Elective-II                      | II  | 100 | 25 | 25  |     | 150   | 04  | Free Elective-II                 | II  | 100 | 25  | 25  | -   | 150   | -   |
| 05  | Project Work-II                  | II  | -   | 75 | 100 |     | 175   | 05  | Project Work-II                  | II  | -   | 100 | 100 |     | 200   | Marks changed                               |

\*indicates Practical & oral Examination

### Suggestions:

- 1) For I C Engine (Sem.-I, Old syllabus) & Power Plant Engineering (Sem.-I, Old syllabus), the student has to study and appear for examination.
- 2) For Automatic Control Engg. (Sem.-I, New syllabus), Industrial Engineering (Sem.-II, New syllabus) and General Proficiency (Sem.-II, New syllabus), student need not appear as he/she has studied the same subjects in TE (Mech.) Old syllabus in Sem.-I, Sem.-II, Sem.-I respectively.