07-08-2025 09:50:32 AM

## Maharashtra State Board Of Technical Education, Mumbai

### Learning and Assessment Scheme for Post S.S.C Diploma Courses

| Programme Name | : Diploma In Automobile Engineering. / Chemical Engineering / Electrical Engineering / Electrical Power System / Food Technology / Mechanical Engineering / Mechatronics / Production Engineering / Printing Technology / Polymer Technology | | |
|---|---|---|---|
| **Programme Code** | : AE / CH / EE / EP / FC / ME / MK / PG / PN / PO | **With Effect From Academic Year** | : 2023-24 |
| **Duration Of Programme** | : 6 Semester | **Duration** | : 16 WEEKS |
| **Semester** | : First   **NCrF Entry Level : 3.0** | **Scheme** | : K |

| Sr No | Course Title | | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | Actual Contact Hrs./Week | | | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | Theory | | | | Based on LL & TL | | | | Based on Self Learning | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CL | TL | LL | | | | | FA-TH | SA-TH | Total | | Practical | | | | SLA | | |
| | | | | | | | | | | | | | | | | | | FA-PR | | SA-PR | | | | |
| | | | | | | | | | | | | | | Max | Max | Max | Min | Max | Min | Max | Min | Max | Min | |
| (All Compulsory) | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | BASIC MATHEMATICS | | BMS | AEC | 311302 | 6 | 4 | 2 | - | 2 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | - | - | - | - | 25 | 10 | 125 |
| 2 | COMMUNICATION SKILLS (ENGLISH) | | ENG | AEC | 311303 | - | 3 | - | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 |
| 3 | BASIC SCIENCE | PHYSICS | BSC | DSC | 311305 | 4 | 2 | - | 2 | 1 | 10 | 5 | 1.5 | 30 | 70*# | 100 | 40 | 25 | 10 | 25@ | 10 | 25 | 20 | 250 |
| | | CHEMISTRY | | | | | 2 | - | 2 | 1 | | | | | | | | 25 | 10 | 25@ | 10 | 25 | | |
| 4 | FUNDAMENTALS OF ICT | | ICT | SEC | 311001 | - | 1 | - | 2 | 1 | 4 | 2 | - | - | - | - | - | 25 | 10 | 25@ | 10 | 25 | 10 | 75 |
| 5 | YOGA AND MEDITATION | | YAM | VEC | 311003 | 1 | - | - | 1 | 1 | 2 | 1 | - | - | - | - | - | 25 | 10 | - | - | 25 | 10 | 50 |
| 6 | ENGINEERING WORKSHOP PRACTICES (Mechanical, Electrical and allied branches) | | EWP | SEC | 311005 | 2 | - | - | 4 | - | 4 | 2 | - | - | - | - | - | 50 | 20 | 50@ | 20 | - | - | 100 |
| 7 | ENGINEERING GRAPHICS (Civil, Electrical, Mechanical and allied branches) | | EGR | DSC | 311006 | 2 | 2 | - | 4 | - | 6 | 3 | - | - | - | - | - | 50 | 20 | 50@ | 20 | - | - | 100 |
| | **Total** | | | | | 15 | 14 | 2 | 17 | 7 | | 20 | | 90 | 210 | 300 | | 225 | | 175 | | 150 | | 850 |

| Sr No | Course Title | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | Learning Scheme | | | | | | Credits | Paper Duration (hrs.) | Assessment Scheme | | | | | | | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Actual Contact Hrs./Week | | | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | | | | Theory | | | | Based on LL & TL | | | | Based on Self Learning | | |
| | | | | | | CL | TL | LL | | | | | | FA-TH | SA-TH | Total | | | Practical | | | | SLA | | |
| | | | | | | | | | | | | | | | | | | FA-PR | | SA-PR | | | | |
| | | | | | | | | | | | | | | Max | Max | Max | Min | Max | Min | Max | Min | Max | Min | |

**Abbreviations :** CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment

**Legends :** @ Internal Assessment, # External Assessment, *# On Line Examination , @$ Internal Online Examination

**Note :**

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.

2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.

3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.

4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks

5. 1 credit is equivalent to 30 Notional hrs.

6. * Self learning hours shall not be reflected in the Time Table.

7. * Self learning includes micro project / assignment / other activities.

**Course Category :** Discipline Specific Course Core (DSC) , Discipline Specific Elective (DSE) , Value Education Course (VEC) , Intern./Apprenti./Project./Community (INP) , AbilityEnhancement Course (AEC) , Skill Enhancement Course (SEC) , GenericElective (GE)

♦ **For the course Basic Science - candidate will have to appear for pre-examination of both physics & chemistry. If absent in any one section (physics / chemistry) student will be declared as absent & fail for the course and marks will not be processed or carried forward.**