

# Maharashtra State Board Of Technical Education, Mumbai

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

|   |                                       |              |             |             |                        |                          |    |    |   |                             |         |  |        |       |       |                  |       |     |       |                        |             |     |     |     |
|---|---------------------------------------|--------------|-------------|-------------|------------------------|--------------------------|----|----|---|-----------------------------|---------|--|--------|-------|-------|------------------|-------|-----|-------|------------------------|-------------|-----|-----|-----|
| Programme Name : Diploma In Civil Engineering |                                       |              |             |             |                        |                          |    |    |   |                             |         |  |        |       |       |                  |       |     |       |                        |             |     |     |     |
| Programme Code : CE                           |                                       |              |             |             |                        |                          |    |    |   |                             |         | With Effect From Academic Year : 2023-24 |        |       |       |                  |       |     |       |                        |             |     |     |     |
| Duration Of Programme : 6 Semester            |                                       |              |             |             |                        |                          |    |    |   |                             |         | Duration : 16 WEEKS                      |        |       |       |                  |       |     |       |                        |             |     |     |     |
| Semester : Sixth                              |                                       |              |             |             |                        |                          |    |    |   |                             |         | NCrF Entry Level : 4.0                   |        |       |       |                  |       |     |       |                        |             |     |     |     |
|   |                                       |              |             |             |                        |                          |    |    |   |                             |         | Scheme : K                               |        |       |       |                  |       |     |       |                        |             |     |     |     |
| Sr No   | Course Title                          | Abbreviation | Course Type | Course Code | Total IKS Hrs for Sem. | Learning Scheme          |    |    |   |                             | Credits | Assessment Scheme                        |        |       |       |                  |       |     |       |                        |             |     |     |     |
|   |                                       |              |             |             |                        | Actual Contact Hrs./Week |    |    | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week |         | Paper Duration (hrs.)                    | Theory |       |       | Based on LL & TL |       |     |       | Based on Self Learning | Total Marks |     |     |     |
|   |                                       |              |             |             |                        | CL                       | TL | LL |   |                             |         |  |        |       |       | Practical        |       |     |       |                        |             |     |     |     |
|   |                                       |              |             |             |                        |                          |    |    |   |                             |         |  | FA-TH  | SA-TH | Total |                  | FA-PR |     | SA-PR |                        |             | SLA |     |     |
|   |                                       |              |             |             |                        |                          |    |    |   |                             |         |  |        |       | Max   | Min              | Max   | Min | Max   |                        |             |     | Min | Max |
| (All Compulsory)                              |                                       |              |             |             |                        |                          |    |    |   |                             |         |  |        |       |       |                  |       |     |       |                        |             |     |     |     |
| 1   | MANAGEMENT                            | MAN          | AEC         | 315301      | 1                      | 3                        | -  | -  | 1   | 4                           | 2       | 1.5                                      | 30     | 70*#  | 100   | 40               | -     | -   | -     | -                      | 25          | 10  | 125 |     |
| 2   | CONTRACTS AND BILLING                 | CAB          | DSC         | 316307      | 1                      | 4                        | -  | 2  | 2   | 8                           | 4       | 3  | 30     | 70    | 100   | 40               | 25    | 10  | -     | -                      | 25          | 10  | 150 |     |
| 3   | DESIGN OF RCC AND STEEL STRUCTURES    | DRS          | DSC         | 316308      | 1                      | 4                        | 2  | 4  | 2   | 12                          | 6       | 4  | 30     | 70    | 100   | 40               | 25    | 10  | 25#   | 10                     | 25          | 10  | 175 |     |
| 4   | MAINTENANCE AND REPAIRS OF STRUCTURES | MRS          | DSC         | 316309      | 2                      | 4                        | -  | 2  | -   | 6                           | 3       | 3  | 30     | 70    | 100   | 40               | 25    | 10  | -     | -                      | -           | -   | 125 |     |
| 5   | CAPSTONE PROJECT                      | CPE          | INP         | 316004      | -                      | -                        | -  | 2  | 2   | 4                           | 2       | -  | -      | -     | -     | -                | 50    | 20  | 50#   | 20                     | 50          | 20  | 150 |     |
| ELECTIVE COURSE- II (Any - One )              |                                       |              |             |             |                        |                          |    |    |   |                             |         |  |        |       |       |                  |       |     |       |                        |             |     |     |     |
| 6   | BUILDING SERVICES                     | BSE          | DSE         | 316310      | 2                      | 3                        | -  | 2  | 1   | 6                           | 3       | 3  | 30     | 70    | 100   | 40               | 25    | 10  | 25#   | 10                     | 25          | 10  | 175 |     |
|   | EARTHQUAKE RESISTANT BUILDING         | ERB          | DSE         | 316311      | -                      | 3                        | -  | 2  | 1   | 6                           | 3       | 3  | 30     | 70    | 100   | 40               | 25    | 10  | 25#   | 10                     | 25          | 10  | 175 |     |
|   | SOLID WASTE MANAGEMENT                | SWM          | DSE         | 316312      | 2                      | 3                        | -  | 2  | 1   | 6                           | 3       | 3  | 30     | 70    | 100   | 40               | 25    | 10  | 25#   | 10                     | 25          | 10  | 175 |     |
| Total   |                                       |              |             |             | 7                      | 18                       | 2  | 12 | 8   |                             | 20      |  | 150    | 350   | 500   |                  | 150   |     | 100   |                        | 150         |     | 900 |     |

| Sr No   | Course Title | Abbreviation | Course Type | Course Code | Total IKS Hrs for Sem. | Learning Scheme          |     |     |   | Credits | Assessment Scheme           |                       |        |       |       |                  |       |  |       |                        |     |             |
|---|--------------|--------------|-------------|-------------|------------------------|--------------------------|-----|-----|---|---------|-----------------------------|-----------------------|--------|-------|-------|------------------|-------|--|-------|------------------------|-----|-------------|
|   |              |              |             |             |                        | Actual Contact Hrs./Week |     |     | Self Learning (Activity/ Assignment /Micro Project) |         | Notional Learning Hrs /Week | Paper Duration (hrs.) | Theory |       |       | Based on LL & TL |       |  |       | Based on Self Learning |     | Total Marks |
|   |              |              |             |             |                        | CL                       | TL  | LL  |   |         |                             |                       |        |       |       | Practical        |       |  |       |                        |     |             |
|   |              |              |             |             |                        |                          |     |     |   |         |                             |                       | FA-TH  | SA-TH | Total |                  | FA-PR |  | SA-PR |                        | SLA |             |
| Max   | Max          | Max          | Min         | Max         | Min                    | Max                      | Min | Max | Min   | Max     | Min                         |                       |        |       |       |                  |       |  |       |                        |     |             |
| <p><b>Abbreviations :</b> CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment</p> <p><b>Legends :</b> @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination</p> <p><b>Note :</b></p> <p>1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.</p> <p>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.</p> <p>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.</p> <p>4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks</p> <p>5. 1 credit is equivalent to 30 Notional hrs.</p> <p>6. * Self learning hours shall not be reflected in the Time Table.</p> <p>7. * Self learning includes micro project / assignment / other activities.</p> <p><b>Course Category :</b> 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)</p> |              |              |             |             |                        |                          |     |     |   |         |                             |                       |        |       |       |                  |       |  |       |                        |     |             |