

**Maharashtra State Board Of Technical Education, Mumbai**

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

| Programme Name                         |   | : Diploma In Civil Engineering / Civil & Rural Engineering / Construction Technology / Civil & Environmental Engineering |             |             |                        |                          |    |          |   |                             |                       |                                |                   |            |            |                  |            |     |            |                        |           |  |             |     |  |
|--|---|--|-------------|-------------|------------------------|--------------------------|----|----------|---|-----------------------------|-----------------------|--------------------------------|-------------------|------------|------------|------------------|------------|-----|------------|------------------------|-----------|--|-------------|-----|--|
| Programme Code                         |   | : CE / CR / CS / LE  |             |             |                        |                          |    |          |   |                             |                       | With Effect From Academic Year |                   |            |            |                  |            |     |            |                        |           | : 2023-24                                    |             |     |  |
| Duration Of Programme                  |   | : 6 Semester   |             |             |                        |                          |    |          |   |                             |                       | Duration                       |                   |            |            |                  |            |     |            |                        |           | : 12 Weeks (Industry) + 10 Weeks (Institute) |             |     |  |
| Semester                               |   | : Fifth  |             |             |                        |                          |    |          |   |                             |                       | 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 |            |            |                  |            |     |            |                        |           |  | Total Marks |     |  |
|  |   |  |             |             |                        | 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 |           |  |             |     |  |
|  |   |  |             |             |                        | CL                       | TL | LL       |   |                             |                       |                                | FA-TH             | SA-TH      | Total      | Practical        |            | SLA |            |                        |           |  |             |     |  |
|  |   |  |             |             |                        |                          |    |          |   |                             |                       |                                |                   |            |            | FA-PR            | SA-PR      | Max | Min        | Max                    | Min       |  |             |     |  |
| <b>(All Compulsory)</b>                |   |  |             |             |                        |                          |    |          |   |                             |                       |                                |                   |            |            |                  |            |     |            |                        |           |  |             |     |  |
| 1                                      | THEORY OF STRUCTURE                       | TOS  | DSC         | 315313      | -                      | 6                        | -  | -        | 3   | 9                           | 3                     | 4                              | 30                | 70         | 100        | 40               | -          | -   | -          | -                      | 25        | 10   | 125         |     |  |
| 2                                      | WATER RESOURCE ENGINEERING                | WRE  | DSC         | 315314      | 1                      | 4                        | -  | 2        | -   | 6                           | 2                     | 3                              | 30                | 70         | 100        | 40               | 50         | 20  | 25@        | 10                     | -         | -  | 175         |     |  |
| 3                                      | EMERGING TRENDS IN CIVIL ENGINEERING      | ETC  | DSC         | 315315      | -                      | 3                        | -  | -        | -   | 3                           | 1                     | 1.5                            | 30                | 70*#       | 100        | 40               | -          | -   | -          | -                      | -         | -  | 100         |     |  |
| 4                                      | ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS | ENDS   | AEC         | 315002      | -                      | 1                        | -  | 2        | -   | 3                           | 1                     | -                              | -                 | -          | -          | -                | 50         | 20  | 25@        | 10                     | -         | -  | 75          |     |  |
| 5                                      | SEMINAR AND PROJECT INITIATION COURSE     | SPI  | AEC         | 315003      | -                      | -                        | -  | 1        | 2   | 3                           | 1                     | -                              | -                 | -          | -          | -                | 25         | 10  | 25@        | 10                     | 25        | 10   | 75          |     |  |
| 6                                      | INTERNSHIP(12 WEEKS)                      | ITR  | INP         | 315004      | -                      | -                        | -  | -        | -   | 36 - 40                     | 10                    | -                              | -                 | -          | -          | -                | 100        | 40  | 100#       | 40                     | -         | -  | 200         |     |  |
| <b>ELECTIVE COURSE- I (Any - One )</b> |   |  |             |             |                        |                          |    |          |   |                             |                       |                                |                   |            |            |                  |            |     |            |                        |           |  |             |     |  |
| 7                                      | ENERGY CONSERVATION & GREEN BUILDING      | ECG  | DSE         | 315316      | -                      | 4                        | -  | 2        | -   | 6                           | 2                     | 3                              | 30                | 70         | 100        | 40               | 25         | 10  | 25#        | 10                     | -         | -  | 150         |     |  |
|  | PRECAST & PRESTRESSED CONCRETE STRUCTURES | PPC  | DSE         | 315317      | -                      | 4                        | -  | 2        | -   | 6                           | 2                     | 3                              | 30                | 70         | 100        | 40               | 25         | 10  | 25#        | 10                     | -         | -  | 150         |     |  |
|  | ROAD TRAFFIC ENGINEERING                  | TEN  | DSE         | 315318      | -                      | 4                        | -  | 2        | -   | 6                           | 2                     | 3                              | 30                | 70         | 100        | 40               | 25         | 10  | 25#        | 10                     | -         | -  | 150         |     |  |
| <b>Total</b>                           |   |  |             |             | <b>1</b>               | <b>18</b>                |    | <b>7</b> | <b>5</b>  |                             | <b>20</b>             |                                | <b>120</b>        | <b>280</b> | <b>400</b> |                  | <b>250</b> |     | <b>200</b> |                        | <b>50</b> |  | <b>900</b>  |     |  |

| 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  |         |  |                             |                       | FA-TH  | SA-TH | Total | Practical        |       | SLA |     |                        |     |             |
|  |              |              |             |             |                        |                          |     |     |         |  |                             |                       |        |       |       | FA-PR            | SA-PR | Max | Min | Max                    | Min |             |
| Max  | Max          | 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> <ol style="list-style-type: none"> <li>1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.</li> <li>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.</li> <li>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.</li> <li>4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 10 Weeks</li> <li>5. 1 credit is equivalent to 30 Notional hrs.</li> <li>6. * Self learning hours shall not be reflected in the Time Table.</li> <li>7. * Self learning includes micro project / assignment / other activities. <b>Note:</b> Notional learning hours for <b>internship represents the student engagement hours.</b></li> </ol> <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> |              |              |             |             |                        |                          |     |     |         |  |                             |                       |        |       |       |                  |       |     |     |                        |     |             |