



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

**Teaching and Examination Scheme for Post S.S.C. Diploma Courses**

**Program Name : Diploma in Civil Engineering / Diploma in Construction Technology**

**With Effect From Academic Year: 2017 - 18**

**Program Code : CE/CR/ CS**

**Duration of Program : 6 Semesters**

**Semester : Sixth**

| S.<br>N.                              | Course Title                                  | Course<br>Code | Course<br>Abbre-<br>viation | Teaching<br>Scheme |          |           | Credit<br>(L+T+P) | Theory                      |              |              | Practical    |              |              | Grand<br>Total |            |
|---------------------------------------|---|----------------|-----------------------------|--------------------|----------|-----------|-------------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|----------------|------------|
|                                       |   |                |                             | L                  | T        | P         |                   | Exam<br>Duration<br>in Hrs. | ESE          | PA           | Total        | ESE          | PA           |                |            |
|                                       |   |                |                             |                    |          |           |                   |                             | Min<br>Marks | Max<br>Marks | Min<br>Marks | Max<br>Marks | Min<br>Marks |                |            |
| 1                                     | Management                                    | MAN            | 22509                       | 3                  | -        | 3         | 90<br>Min         | 70*#                        | 28           | 30*          | 00           | 100          | 40           | --             | --         |
| 2                                     | Contracts and Accounts                        | CAA            | 22601                       | 3                  | -        | 2         | 5                 | 3                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25@        |
| 3                                     | Maintenance and Repairs of Structures         | MRS            | 22602                       | 4                  | -        | 2         | 6                 | 3                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25#        |
| 4                                     | Emerging Trends in Civil Engineering          | ETC            | 22603                       | 3                  | -        | 3         | 90<br>Min         | 70*#                        | 28           | 30*          | 00           | 100          | 40           | --             | --         |
| <b>Elective – II (Select Any One)</b> |   |                |                             |                    |          |           |                   |                             |              |              |              |              |              |                |            |
|                                       | Building Services                             | BSE            | 22604                       | 3                  | -        | 2         | 5                 | 3                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25#        |
|                                       | Solid Waste Management                        | SWM            | 22605                       | 3                  | -        | 2         | 5                 | 3                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25#        |
| 5                                     | Earthquake Resistant Buildings                | ERB            | 22606                       | 3                  | -        | 2         | 5                 | 3                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25#        |
|                                       | Advanced Design of Structures                 | ADE            | 22607                       | 3                  | -        | 2         | 5                 | 4                           | 70           | 28           | 30*          | 00           | 100          | 40             | 25#        |
| 6                                     | Capstone Project - Execution & Report Writing | CPE            | 22060                       | -                  | -        | 4         | 4                 | --                          | --           | --           | --           | --           | 50#          | 20             | 50~        |
| 7                                     | Construction Management                       | CMA            | 22061                       | 1                  | -        | 2         | 3                 | --                          | --           | --           | --           | --           | 25@          | 10             | 25~        |
| 8                                     | Entrepreneurship Development                  | EDP            | 22032                       | 2                  | -        | 2         | 4                 | --                          | --           | --           | --           | --           | 50@          | 20             | 50~        |
|                                       |   |                | <b>Total</b>                | <b>19</b>          | <b>-</b> | <b>14</b> | <b>33</b>         | <b>--</b>                   | <b>350</b>   | <b>--</b>    | <b>150</b>   | <b>--</b>    | <b>500</b>   | <b>--</b>      | <b>200</b> |
|                                       |   |                |                             |                    |          |           |                   |                             |              |              |              |              |              |                | <b>400</b> |
|                                       |   |                |                             |                    |          |           |                   |                             |              |              |              |              |              |                | <b>900</b> |



Student Contact Hours Per Week: 33 Hrs.

Medium of Instruction: English  
Total Marks : 900

Theory and practical periods of 60 minutes each.  
Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical  
@ Internal Assessment, # External Assessment, \*# On Line Examination , @^ Computer Based Assessment

- \* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.
- ~ For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage
- If Candidate not securing minimum marks for passing in the “PA” part of practical of any course of any semester then the candidate shall be declared as “Detained” for that semester.

