



Maharashtra State Board of Technical Education, Mumbai

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

Course Name : Mechanical / Civil / Chemical / Computer / Electronics / Electrical / Textile Engineering Groups

Course Code : CE/CR/CS/CH/PS/CM/CO/IF/CW/DE/EJ/EN/EQ/ET/EX/IE/MU/EE/EP/EU/IS/IC/AE/FG/ME/PG/PT/DC/TX/TC

Duration of Course: 6 Semesters

With Effect From Academic Year: 2017 - 18

Semester : First

Duration : 16 Weeks

| S. N.        | Course Title  | Abbreviation | Sub. Code | Teaching Scheme |          |           | Credit (L+T+P) | Examination Scheme |            |           |           |           |            |           |            |           |            |           |            |           | Grand Total |     |
|--------------|---|--------------|-----------|-----------------|----------|-----------|----------------|--------------------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-------------|-----|
|              |   |              |           | L               | T        | P         |                | Theory             |            |           |           |           |            | Practical |            |           |            |           |            |           |             |     |
|              |   |              |           |                 |          |           |                | Paper Hrs.         | ESE        |           | PA        |           | Total      |           | ESE        |           | PA         |           | Total      |           |             |     |
|              |   |              |           |                 |          |           |                |                    | Max        | Min       | Max       | Min       | Max        | Min       | Max        | Min       | Max        | Min       | Max        | Min       |             |     |
| 1            | English   | ENG          | 22101     | 3               | --       | 2         | 5              | 3                  | 70         | 28        | 30*       | 00        | 100        | 40        | 25@        | 10        | 25         | 10        | 50         | 20        | 150         |     |
| 2            | Basic Science   | Physics      | BSC       | 22102           | 2        | --        | 2              | 4                  | 2          | 70*#      | 28        | 15*       | 00         | 100       | 40         | 25@       | 10         | 25        | 10         | 50        | 20          | 200 |
|              |   | Chemistry    |           |                 | 2        | --        | 2              |                    |            |           |           | 4         | 15*        |           |            | 00        | 25@        | 10        | 25         | 10        | 50          |     |
| 3            | Basic Mathematics   | BMS          | 22103     | 4               | 2        | --        | 6              | 3                  | 70         | 28        | 30*       | 00        | 100        | 40        | --         | --        | --         | --        | --         | --        | 100         |     |
| 4            | Fundamentals of ICT   | ICT          | 22001     | 2               | --       | 2         | 4              | --                 | --         | --        | --        | --        | --         | --        | 25@^       | 10        | 25~        | 10        | 50         | 20        | 50          |     |
| 5            | Engineering Graphics (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS, DC, TC, TX) | EGM          | 22002     | 2               | --       | 4         | 6              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
|              | Engineering Graphics (For DE, EI, ET, EN, EX, EQ, IC, IE, IS, MU, CO, CM, CW, IF)         | EGE          | 22003     | 2               | --       | 4         | 6              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
| 6            | Workshop Practice. (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS,)              | WPM          | 22004     | --              | --       | 4         | 4              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
|              | Workshop Practice. (For CO, CM, CW, IF)   | WPC          | 22005     | --              | --       | 4         | 4              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
|              | Workshop Practice. (For DE, EJ, ET, EN, EX, EQ, IC, IE, IS, MU)                           | WPE          | 22006     | --              | --       | 4         | 4              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
|              | Workshop Practice. (For TX, TC, DC)   | WPT          | 22007     | --              | --       | 4         | 4              | --                 | --         | --        | --        | --        | --         | --        | 50@        | 20        | 50~        | 20        | 100        | 40        | 100         |     |
| <b>Total</b> |   |              |           | <b>15</b>       | <b>2</b> | <b>16</b> | <b>33</b>      | <b>--</b>          | <b>210</b> | <b>--</b> | <b>90</b> | <b>--</b> | <b>300</b> | <b>--</b> | <b>200</b> | <b>--</b> | <b>200</b> | <b>--</b> | <b>400</b> | <b>--</b> | <b>700</b>  |     |

Student Contact Hours Per Week: 33 Hrs. Medium of Instruction: English

Theory and practical periods of 60 minutes each. Total Marks : 700

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 (5 marks each for Physics and Chemistry) 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 has two parts, marks for : (i) Practical Part - 60% of total marks (ii) Micro-Project Part - 40% of total marks

- Candidate remaining absent in practical examination of any one part of Basic Science course i.e. Physics, Chemistry will be declare as Absent in Mark List and has to appear for examination. The marks of the part for which candidate was present will not be processed or carried forward.
- 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.

