GOVERNMENT OF TAMILNADU

SYLLABUS

DIPLOMA IN ENGINEERING AND TECHNOLOGY & SPECIAL PROGRAMMES

FIRST YEAR

2019 – 2020

SEMESTER SYSTEM

N – SCHEME

DIRECTORATE OF TECHNICAL EDUCATION

TAMILNADU

STATE BOARD OF TECHNICAL EDUCATION & TRAINING, TAMILNADU

DIPLOMA IN ENGINEERING / TECHNOLOGY SYLLABUS

**N-SCHEME**

(Implements from the Academic year 2019-2020 onwards)

**CURRICULUM OUT LINE**

**FIRST SEMESTER (FULL TIME)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Col No. | Subject Code | Subject | Hours Per week | | | | |
| Theory | Drawing | Tutorial | Practical | Total |
| 1 | 40011 | Communication English I | 4 |  |  |  | 4 |
| 2 | 40012 | Engineering Mathematics | 7 |  |  |  | 7 |
| 3 | 40013 | Engineering Physics I | 5 |  |  |  | 5 |
| 4 | 40014 | Engineering Chemistry I | 5 |  |  |  | 5 |
| 5 | 40015 | Engineering Graphics |  | 6 |  |  | 6 |
| 6 | 40016 | Engineering Physics I Practical |  |  |  | 2 | 2 |
| 7 | 40017 | Engineering Chemistry I Practical |  |  |  | 2 | 2 |
| 8 | 40001\*  40002^ | Communication Skill Practical\*  Computer Application Practical^ |  |  |  | 3 | 3 |
|  |  | Library |  |  | 1 |  | 1 |
|  |  |  | 21 | 6 | 1 | 7 | 35 |

\* For Circuit Branches only

^ For Non-Circuit Branches only

**SECOND SEMESTER (FULL TIME)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Col. No. | Subject Code | Subject | Hours Per week | | | | |
| Theory | Drawing | Tutorial | Practical | Total |
| 1 | 40021 | Communication English II | 4 |  |  |  | 4 |
| 2 | 40022 | Applied Mathematics | 6 |  |  |  | 6 |
| 3 | 40023 | Engineering Physics II | 4 |  |  |  | 4 |
| 4 | 40024 | Engineering Chemistry II | 4 |  |  |  | 4 |
| 5 | 40025 | Engineering Drawing |  | 6 |  |  | 6 |
| 6 | 40026 | Engineering Physics II Practical |  |  |  | 2 | 2 |
| 7 | 40027 | Engineering Chemistry II Practical |  |  |  | 2 | 2 |
| 8 | 40028 | Workshop Practice |  |  |  | 3 | 3 |
| 9 | 40001\*  40002^ | Communication Skill Practical\*  Computer Application Practical^ |  |  |  | 3 | 3 |
|  |  | Library |  |  | 1 |  | 1 |
|  |  |  | 18 | 6 | 1 | 10 | 35 |

\* For Circuit Branches only

^ For Non-Circuit Branches only

**SCHEME OF EXAMINATION**

**FIRST SEMESTER (FULL TIME)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Subject Code | Subject | Examination Marks | | | Minimum for  Pass ^^ | Duration of Exam Hours |
| Internal Assessment Marks | Board Exam Marks \*\* | Total Mark |
| 40011 | Communication English I | 25 | 100 | 100 | 40 | 3 |
| 40012 | Engineering Mathematics | 25 | 100 | 100 | 40 | 3 |
| 40013 | Engineering Physics I | 25 | 100 | 100 | 40 | 3 |
| 40014 | Engineering Chemistry I | 25 | 100 | 100 | 40 | 3 |
| 40015 | Engineering Graphics | 25 | 100 | 100 | 40 | 3 |
| 40016 | Engineering Physics I Practical | 25 | 100 | 100 | 50 | 3 |
| 40017 | Engineering Chemistry I Practical | 25 | 100 | 100 | 50 | 3 |
| 40001\*  40002^ | Communication Skill Practical\*  Computer Application Practical^ | 25 | 100 | 100 | 50 | 3 |

\* For Circuit Branches only ^For Non- Circuit Branches only

**SECOND SEMESTER (FULL TIME)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Subject Code | Subject | Examination Marks | | | Minimum for  Pass ^^ | Duration of Exam Hours |
| Internal Assessment Marks | Board Exam Marks \*\* | Total Mark |
| 40021 | Communication English II | 25 | 100 | 100 | 40 | 3 |
| 40022 | Applied Mathematics | 25 | 100 | 100 | 40 | 3 |
| 40023 | Engineering Physics II | 25 | 100 | 100 | 40 | 3 |
| 40024 | Engineering Chemistry II | 25 | 100 | 100 | 40 | 3 |
| 40025 | Engineering Drawing | 25 | 100 | 100 | 40 | 3 |
| 40026 | Engineering Physics II Practical | 25 | 100 | 100 | 50 | 3 |
| 40027 | Engineering Chemistry II Practical | 25 | 100 | 100 | 50 | 3 |
| 40028 | Workshop Practice | 25 | 100 | 100 | 50 | 3 |
| 40001\*  40002^ | Communication Skill Practical\*  Computer Application Practical^ | 25 | 100 | 100 | 50 | 3 |

\* For Circuit Branches only ^For Non- Circuit Branches only

\*\* Examination will be conducted for 100 marks and it will be reduced to 75 marks, after adding internal assessment 25 marks then Examination marks will be 100.

^^ The minimum Pass mark will be calculated for the total marks (Internal Assessment + Board Exam Marks after reduced to 75) (25 +75)