**First Year First Semester**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A.THEORY** | | | | | | | | | | |
| **Sl No.** | **Subject Code** | **Theory** | | **Contact Hours/Week** | | | | | | **Credit**  **Points** |
|  |  |  | | **L** | **T** | **P** | **Total** | | |  |
| **1** | HU101 | English Language &  Technical  Communication – I | | 2 | 0 | 0 | 2 | | | 2 |
| **2** | PH101 | Physics – 1 | | 3 | 0 | 0 | 3 | | | 3 |
| **3** | M101 | Mathematics-1 | | 3 | 0 | 0 | 3 | | | 3 |
| **4** | ES101 | Basic Electrical &  Electronic Engineering – 1 | | 3 | 1 | 0 | 4 | | | 4 |
| **5** | ME101 | Engineering. Mechanics | | 3 | 0 | 0 | 3 | | | 3 |
| **6** | CS101 | Basic Computation &  Principles of Computer Programming – I | | 3 | 0 | 0 | 3 | | | 3 |
| **Total of Theory** | | | | | | | **18** | | | **18** |
| **B. PRACTICAL** | | | | | | | | | | |
| **7** | PH191 | Physics – 1 | | 0 | 0 | 2 | | 2 | 2 | |
| **8** | ES191 | Basic Electrical &  Electronic Engineering -1 | | 0 | 0 | 2 | | 2 | 2 | |
| **9** | ME191  /192 | Engineering Drawing &  Computer Graphics (Gr-B)  / Workshop Practice (Gr-A) | | 0 | 0 | 3 | | 3 | 3 | |
| **10** | CS191 | Basic Computation &  Principles of Computer  Programming – I | | 0 | 0 | 2 | | 2 | 2 | |
| **Total of Practical** | | | | | | | | **9** | **9** | |
| **C. SESSIONAL** | | | | | | | | | | |
| **11** | HU181 | | Language Laboratory – 1 | 0 | 0 | 2 | | 2 | 2 | |
| **12** | XC181 | | Extra Curricular  Activities(NSS/NCC/NSO  etc) | 0 | 0 | 1 | | 1 | 1 | |
| **13** | GS181 | | General Studies - I | 3 | 1 | 0 | | 4 | 4 | |
| **Total of Sessional** | | | | | | | | **7** | **7** | |
| **Total of Semester** | | | | | | | | **34** | **34** | |

**First Year Second Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **THEORY** | | | | | | | | | |
| **Sl No.** | **Subject Code** | **Theory** | **Contact Hours/Week** | | | | | | **Credit**  **Points** |
|  |  |  | **L** | **T** | **P** | **Total** | | |  |
| **1** | **CS201** | Principles of Computer Programming – II | 3 | 1 | 0 | 4 | | | 4 |
| **2** | **HU201** | English Language & Technical Communication - II | 2 | 0 | 0 | 2 | | | 2 |
| **3** | **M201** | Mathematics-2 | 3 | 1 | 0 | 4 | | | 3 |
| **4** | **ES201** | Basic Electrical &  Electronic Engineering – II | 3 | 1 | 0 | 4 | | | 4 |
| **5** | **ME201** | Engineering Thermodynamics & Fluid Mechanics | 3 | 1 | 0 | 4 | | | 3 |
| **6** | **PH201** | Physics – 2 | 3 | 1 | 0 | 4 | | | 3 |
| **Total of Theory** | | | | | | **22** | | | **19** |
| 1. **PRACTICAL** | | | | | | | | | |
| **7** | **CS291** | Principles of Computer Programming – II | 0 | 0 | 2 | | 2 | 2 | |
| **8** | **ES291** | Basic Electrical &  Electronic Engineering – II | 0 | 0 | 2 | | 2 | 2 | |
| **9** | **ME291**  **/292** | Workshop Practice (Gr-B) / Engineering Drawing & Computer Graphics (Gr-A) | 0 | 0 | 2 | | 3 | 3 | |
| **10** | **PH291** | Physics – II | 0 | 0 | 2 | | 2 | 2 | |
| **Total of Practical** | | | | | | | **9** | **9** | |
| 1. **SESSIONAL** | | | | | | | | | |
| **11** | **HU281** | Language Laboratory - II | 0 | 0 | 2 | | 2 | 2 | |
| **12** | **GS281** | General Studies - II | 3 | 1 | 0 | | 4 | 4 | |
| **Total of Sessional** | | | | | | | **6** | **6** | |
| **Total of Semester** | | | | | | | **37** | **34** | |