**First Year First Semester**

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| --- |
| **A.THEORY** |
| **Sl No.** | **Subject Code** | **Theory** | **Contact Hours/Week** | **Credit****Points** |
|  |  |  | **L** | **T** | **P** | **Total** |  |
| **1** | HU101 | English Language &TechnicalCommunication – 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 ComputerProgramming – 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 CurricularActivities(NSS/NCC/NSOetc) | 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**

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| --- |
| 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** |