**N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY:: VIDYANAGAR**

*(AUTONOMOUS)*

**CIVIL ENGINEERING**

**SCHEME OF INSTRUCTION AND EVALUATION**

(With effect from the batch admitted in the academic year 2017-2018)

**III YEAR OF FOUR YEAR B.TECH. DEGREE COURSE – I SEMESTER**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.NO | Course  Code | | Course Title | Contact Hours/  Week | | | Credits | Evaluation | | | | | | | | | | | | | | |
| Sessional  Test-I | | | | | Sessional  Test-II | | | | | Total Sessional Marks (Max. 40) | | Semester  End Examination | | Max.  Total Marks |
| **THEORY** | L | T | P | Test-I  (2 hrs.) | | Assignment-I | Max.  Marks | | Test-II  (2 hrs.) | | Assignment-II | | Max.  Marks | 0.8(Better of two sessional tests)  +  0.2(Other) | | Duration  In Hours | Max. Marks |
| 1 | 17CE3101 | | Structural Analysis-II | 3 | 2 | 0 | 4 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 2 | 17CE3102 | | Foundation Engineering | 2 | 2 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 3 | 17CE3103 | | Transportation Engineering-II | 2 | 2 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 4 | 17CE3104 | | RCC Structural Design-II | 3 | 2 | 0 | 4 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 5 | 17CE3105 | | Steel Structural Design | 2 | 2 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 6 | 17CE31EX | | Core Elective-I | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
|  | | | **PRACTICALS** |  | | | | | | | | | | | | | | | | | | |
| 1 | 17CE31P1 | | Material Testing Laboratory | 0 | 0 | 3 | 2 | - | - | | | - | | - | | - | - | | Day-to-day Evaluation and a test  (40 marks) | 3 | 60 | 100 |
| 2 | 17CE31P2 | | Soil Mechanics Laboratory | 0 | 0 | 3 | 2 | - | - | | | - | | - | | - | - | | 3 | 60 | 100 |
| 3 | 17CE31AC | | Audit course | 2 | 0 | 0 | 0 |  |  | | |  | |  | |  |  | |  |  |  |
|  |  | | **TOTAL** |  |  |  | **24** |  |  | | |  | |  | |  |  | |  |  |  |
| **Core Elective-I:** | | | | | | | | | | | | | | | | | | | | | | |
| 17CE31E1 | | : Advanced Structural Analysis | | | | | | | | | | | | | | | | | | | | |
| 17CE31E2 | | : Industrial Steel Structures | | | | | | | | | | | | | | | | | | | | |
| 17CE31E3 | | : Ground Water Hydrology | | | | | | | | | | | | | | | | | | | | |
| 17CE31E4 | | : Traffic Engineering & Management | | | | | | | | | | | | | | | | | | | | |
| 17CE31E5 | | : Remote Sensing & GIS | | | | | | | | | | | | | | | | | | | | |