**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 2019-2020)

**III YEAR OF FOUR YEAR B.TECH. DEGREE COURSE – II 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 | 19CE3201 | Geotechnical Engineering-II | 2 | 1 | 0 | 3 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
| 2 | 19CE3202 | Environmental Engineering-I | 2 | 1 | 0 | 3 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
| 3 | 19CE3203 | Irrigation & Hydraulic Structures | 3 | 0 | 0 | 3 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
| 4 | 19CE3204 | Concrete Technology | 3 | 0 | 0 | 3 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
| 5 | 19CE3205 | Finite Element Method | 2 | 0 | 0 | 2 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
| 6 | 19CE32EX | Professional Elective -II | 3 | 0 | 0 | 3 | 34 | 6 | 40 | | 34 | 6 | 40 | 3 | 60 | 100 |
|  |  | **MINI PROJECT** |  | | | | | | | | | | | | | | |
| 1 | 19CEMIPJ | Mini Project | 0 | 0 | 4 | 2 | - | - | - | | - | - | - | 40 marks | - | 60 | 100 |
|  | | **PRACTICALS** |  | | | | | | | | | | | | | | |
| 1 | 19CE32P1 | EE Lab | 0 | 0 | 3 | 1.5 | - | - | - | - | | - | - | Day-to-day Evaluation and a test  (40 marks) | 3 | 60 | 100 |
| 2 | 19CE32P2 | CT Lab | 0 | 0 | 3 | 1.5 | - | - | - | - | | - | - | 3 | 60 | 100 |
|  |  | **Total** | | | | **22** |  |  |  |  | |  |  |  |  |  |  |

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| 19CE32E1: Advanced Structural Analysis  19CE32E2: Advanced Structural Design | 19CE32E3: Ground Improvement Techniques  19CE32E4: Railway, Airport & Harbor Engineering |