**NBKR INSTITUTE OF SCIENCE & TECHNOLOGY :: VIDYANAGAR (AUTONOMOUS)**

**(AFFILIATED TO JNTUA :: ANANTAPUR)**

**SPSR NELLORE DIST**

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

**ELECTRICAL AND ELECTRONICS ENGINEERING**

SCHEME OF INSTRUCTION AND EVALUATION

(With effect from the academic year 2018-2019)

(For the batch admitted in the academic year 2017-2018)

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| --- | --- | --- | --- | --- | --- |
| S.No | CourseCode | Course Title | InstructionHours/Week | Credits | Evaluation |
| SessionalTest-1 | SessionalTest-2 | Total Sessional Marks (Max. 40) | End SemesterExamination | MaximumTotal Marks |
| **THEORY** | L | T | D/P |  | Test-1(2 Hr) | Assign-1 | Max.Marks | Test-2(2 Hr) | Assign-2 | Max.Marks | 0.8\*Best of Two+0.2\*Least of Two | DurationIn Hours | Max.Marks | 100 |
| 1 | 17SH2101 | Engineering Mathematics – II# | 2 | 2 | - | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 2 | 17EC2101 | Signals & Systems$ | 2 | 2 | - | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 3 | 17EC2102 | Switching Theory & Logic Design$ | 2 | 2 | - | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 4 | 17EE2101 | Electro Mechanical Energy Conversion-I | 3 | 2 | - | 4 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 5 | 17EE2102 | Generation of Electric Power | 3 | 2 | - | 4 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 6 | 17EE2103 | Electrical Measurements | 2 | 2 | - | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
|  | **PRACTICALS** |  |  |
| 7 | 17EE21P1 | Circuits & Networks Lab  | - | - | 3 | 2 | - | - | - | - | Day to Day Evaluation and a test(40 Marks) | 3 | 60 | 100 |
| 8 | 17EC21P1 | Electronic Devices Lab$ | - | - | 3 | 2 | - | - | - | - | 3 | 60 | 100 |
|  |  | TOTAL |  |  |  | 24 |  |  |  |  |  |  |  |  |
|  | **MANDATORY** |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | 17MC2101 | Environmental Studies# | 3 | 0 | - | - | - | 40 | - | 40 | 0.8\*Best of Two+0.2\*Least of Two | 3 | 60 | 100 |

(**\*:** Common to all;  **#**: Common to ECE, EEE, CSE & IT; $ : Common to ECE & EEE; **@** : Common to ECE,EEE,CE & ME)