**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)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Course  Code | Course Title | Instruction  Hours/Week | | | Credits | Evaluation | | | | | | | | | | |
| Sessional  Test-1 | | | | Sessional  Test-2 | | | Total Sessional Marks (Max. 40) | End Semester  Examination | | Maximum  Total 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 | Duration  In 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)