

52/4

S.E. - ELECTRONIC WORKSHOP 4161

Teaching Schedule per week		Marking Scheme		
Lectures	Practicals	Term Work	Orals	Total
Nil	4 Hrs	50	50	100

Title of the Experiment

No. of turns

- | | |
|---|---|
| 1) Use of Multimeter in performing different functions. | 1 |
| 2) Use of Front Panel Controls on CRO. | 2 |
| 3) Use of Front Panel Controls on Signal Generator. | 2 |
| 4) Measurement of Resistance by Colour Coding, Multimeter and Ohms law method. | 2 |
| 5) Measurement of Capacitance by different Coding techniques. | 2 |
| 6) Measurement of R,C and L using LCR meter. | 1 |
| 7) Measurement of amplitude and frequency of a waveform and testing of components using CRO. | 2 |
| 8) Testing of different diode packages. | 2 |
| 9) Identification of leads of npn and pnp transistors and testing using multimeter. | 2 |
| 10) Testing of Integrated circuits including display devices. | 2 |
| 11) Testing of different types of Transformers. | 2 |
| 12) Practice of Soldering. | 4 |
| 13) Design and Preparation of PCB for simple circuits. | 6 |
| 14) Acquaintances with components like wires, cables, connectors, switches, relays and with data sheets of components | 4 |