Physics Lab-II

Course Code: BEB252
Contact Hours: 15

Credit: 01 (L-0, T-0, P-2)
MM: 25

Course Outline:

Each student has to perform **eight** experiments, selecting a minimum of three experiments from each of the following group;

1. Charging and discharging in RC and LCR Circuits.
2. Study of V-I characteristics of a forward and reverse biased p-n junction diode. 3. Study of voltage regulation characteristics of zener diode. 4. A.C. Bridges.
5. Half wave and full wave rectifiers.
6. Characteristics of a transistor in CE, CB and CC configurations.
7. To determine the wavelength of monochromatic light with the help of Fresnel_s biprism. 8. To determine the specific rotation of cane sugar solution using polarimeter. 9. To determine the Modulus of Rigidity of a Wire by Maxwell_s needle. 10. To determine the Elastic Constants of a Wire by Searle_s method.
11. To study the Motion of a Spring and calculate (a) Spring Constant (b) Value of g, and (c) Modulus of Rigidity

Reference Books:

1. GeetaSanon, BSc Practical Physics, 1stEdn. (2007), R. Chand & Co.
2. B. L. Worsnop and H. T. Flint, Advanced Practical Physics, Asia Publishing House, New Delhi. 3. Indu Prakash and Ramakrishna, A Text Book of Practical Physics, KitabMahal, New Delhi.

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