

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.

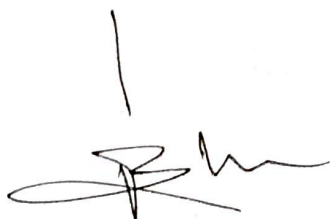
11. To study the Motion of a Spring and calculate (a) Spring Constant (b) Value of g, and (c) Modulus of Rigidity

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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