

SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar-388120

B.Sc. (Semester - 1)

Subject: Physics Practical

Course: US01CPHY22

(Two Credit Course –4 Hours per week)

(Effect from June, 2018)

1. η by statical method
2. Torsional pendulum
3. Melde's experiment
4. Sonometer
5. Y by cantilever
6. Poisson's ratio for rubber
7. η by Maxwell's needle
8. Resolving power of prism
9. Characteristics of PN junction diode(Forward & Reversed bias)
10. Half wave rectifier (Evaluation of A.C. components)
11. Full wave rectifier (Evaluation of A.C. components)
12. Zener diode characteristics
13. Conversion of galvanometer in to voltmeter
14. Conversion of galvanometer in to ammeter
15. Least square fitting for given linear data

Note: To provide flexibility up to the maximum of 20% of total experiments can be replaced/added to the list by the Board of Studies