

ENGINEERING PHYSICS (Lab.)

Subject Code 00106	Practical			No of Period in one session : 50		
	No. of Periods Per Week			Full Marks	:	50
	L	T	P/S	Annual Exam.	:	40
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At Least ten experiments to be performed:

S.No. Experiment

1. Determination of diameter using Slide Callipers.
2. Determination of depth using Slide Callipers.
3. Measurement of diameter of wire using Screw Gauge.
4. Measurement of thickness using Screw Gauge.
5. Determination of thickness of a plate using Spherometer.
6. Measurement of radius of curvature of a Convex Surface using Spherometer.
7. Study the relation between length of a Simple pendulum and square of its time period.
8. Measurement of resistance using Post Office Box.
9. Verification of Laws of Series and parallel grouping of resistances using P.O. Box.
10. Determination of resistance using meter bridge.
11. Study relationship between current and potential difference at different lengths of meter bridge (or potentiometer) wire.
12. Comparison of e.m.f.s two cells using potentiometer.
13. Determination of angle of repose using inclined plane friction table and to find co-efficient of friction.
14. Study of junction diode.
15. Comparison of illuminating power (luminous intensity) of two light sources using Photoelectric Cell.

Books Recommended for Engineering Physics (Lab.):

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| 1 | Practical Physics | - | By N.N. Ghosh |
| 2 | Practical Physics | - | Sharma Singh & Prasad
Bharti Bhawan Publication |
| 3 | Practical Physics | - | By Durga Pd. Singh |
| 4 | Practical Physics | - | By C.L. Arora
S. Chand & Co. |
| 5 | Practical Physics | - | By K.K. Mahindroo
Pitambar Publishing Co., New Delhi |