

LESSON PLAN APPLIED PHYSICS LAB

GOVT.POLYTECHNIC,SONEPUR

Name of the Faculty: MS. TAPASWINEE PATNAIK Lect.(Stage-II) in Physics Hal Manikanta,Lab Asst.,Physics	Academic Year:2026-2027 Commencement of classes from date: (17/08/2026 to 17/04/2027) No. of weeks :32 (excluding vacation & Holidays)
Course No.:PR2	Subject: Applied Physics Lab
Course Name:Diploma	Department: Math & Sc.
Year/Sem:1 st year	Branch- All
Session: 2026-2027	Group-1,2,3,4,5,6.

WEEK	No.of periods per week-02	TOPICS TO BE COVERED
	Class Day	
1	1	Introduction to physics lab regarding record maintenance, safety rules ,guidelines & other disciplinary activities inside lab.
	2	Exp No.-1:To measure length, radius of a given cylinder, a test tube and a beaker using a Vernier calipers and find volume of each object. Introduction of the apparatus & apparatus required, explanation of theory ,procedure, tabulation, calculation & conclusion to students.
2	3	Demonstration of experiment, experiment performed by the students
	4	Record Writing by the students, record checking and viva voice.
3	5	Exp No.-2:To determine diameter of a wire, a solid ball and thickness of cardboard using a screw gauge. Introduction of the given Practical and required apparatus .
	6	Explanation of theory ,procedure, tabulation, calculation & conclusion to students.
4	7	Demonstration of experiment, experiment performed by the students
	8	Record Writing by the students, record checking and viva voice
5	9	Exp No.-3:To determine radius of curvature of a convex and a concave mirror/surface using a spherometer. Introduction of the given Practical and required apparatus .
	10	Explanation of theory ,procedure, tabulation, calculation & conclusion to students.
6	11	Demonstration of experiment, experiment performed by the students
	12	Record Writing by the students, record checking and viva voice

29	57	Exp No.-15: To convert a galvanometer into a voltmeter. Introduction of the given Practical and required apparatus.
	58	Explanation of theory ,procedure, tabulation, calculation & conclusion to students.
30	59	Demonstration of experiment, experiment performed by the students
	60	Record Writing by the students, record checking and viva voice
31	61	Exp No.-16: To draw V-I characteristics of a semiconductor diode (Ge,Si) and determine its knee voltage. Introduction of the given Practical and required apparatus.
	62	Explanation of theory ,procedure, tabulation, calculation & conclusion to students.
32	63	Demonstration of experiment, experiment performed by the students
	64	Record Writing by the students, record checking and viva voice

Prepared by:



MS. TAPASWINEE PATNAIK,
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Sri Hal Manikanta
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HOD
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