

# IHARSUGUDA ENGINEERING SCHOOL, IHARSUGUDA

## DEPARTMENT OF MATHEMATICS&SCIENCE

### LESSON PLAN

NAME OF THE FACULTY- BABITA PADHI & RITIKA DASH

SUBJECT-ENGINEERING PHYSICS PRACTICAL

SUBJECT CODE: PR-2A

SECTION: T1,T2, E1,E2,E3,E4

ACADEMIC YEAR: 2023-24

BRANCH-ETC,IT,ELECTRICAL

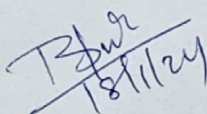
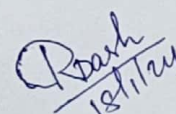
SEMESTER- 2<sup>ND</sup>

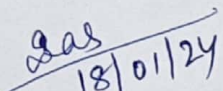
SESSION:SUMMER

Sl.No.	WEEK	TIME (MIN)	LECTURE NO.	Experiments to be performed
1	1 <sup>ST</sup>	110	1	Introduction to physics lab regarding record maintenance, safety rules and guidelines.
		110	2	EXPERIMENT- 1 (Determination of cross sectional area of a given wire using Screw gauge) Introduction of the instrument and demonstration of Experiment
2	2 <sup>ND</sup>	110	3	Observation and calculation by students
		110	4	Record writing by the students, record checking and viva voce.
3	3 <sup>RD</sup>	110	5	EXPERIMENT- 2 (Determination of volume of a given glass piece using Screw gauge.) Introduction of the instrument and demonstration of Experiment
		110	6	Observation and calculation by students
4	4 <sup>TH</sup>	110	7	Record writing by the students, record checking and viva voce.
		110	8	EXPERIMENT- 3 (Determination of Volume of solid Cylinder using Vernier callipers.) Introduction of the instrument and demonstration of Experiment
5	5 <sup>TH</sup>	110	9	Observation and calculation by students
		110	10	Record writing by the students, record checking and viva voce.
6	6 <sup>TH</sup>	110	11	EXPERIMENT- 4 (Determination of volume of Hollow Cylinder using Vernier callipers.) Demonstration of Experiment & Observation and calculation by students
		110	12	Observation and calculation by students
7	7 <sup>TH</sup>	110	13	Record writing by the students, record checking and viva voce.
		110	14	EXPERIMENT- 5 (Determination of Radius of curvature of convex surface using Spherometer) Introduction of the instrument and demonstration of Experiment.



8	8 <sup>TH</sup>	110	15	Observation and calculation by students
		110	16	Record writing by the students, record checking and viva voce.
9	9 <sup>TH</sup>	110	17	EXPERIMENT- 6(Determination of Radius of curvature of concave surface using Spherometer) Introduction of the instrument and demonstration of Experiment.
		110	18	Observation and calculation by students
10	10 <sup>TH</sup>	110	19	Record writing by the students, record checking and viva voce.
		110	20	EXPERIMENT- 7(Determination of the angle of prism) Introduction of the instrument and demonstration of Experiment.
11	11 <sup>TH</sup>	110	21	Drawing and measurement of angle by students
		110	22	Record writing by the students, record checking and viva voce.
12	12 <sup>TH</sup>	110	23	EXPERIMENT- 8(Determination of the angle of minimum deviation by D curve method.) Introduction of the instrument and demonstration of Experiment.
		110	24	Drawing and plotting of graph by students
13	13 <sup>TH</sup>	110	25	Record writing by the students, record checking and viva voce.
		110	26	EXPERIMENT- 9 (Tracing of lines of force due to a bar magnet with North pole pointing North and locate the neutral points.) Introduction of the instrument and demonstration of Experiment.
14	14 <sup>TH</sup>	110	27	Drawing of magnetic lines on sheet by students. Record checking and viva voce
		110	28	EXPERIMENT- 10(Tracing of lines of force due to a bar magnet with North pole pointing South and locate the neutral points.) Introduction of the instrument and demonstration of Experiment.
15	15 <sup>th</sup>	110	29	Drawing of magnetic lines on sheet by students.
		110	30	Record checking and viva voce.

  
  
 Signature of faculty member

  
 Signature of Sr. Lecturer  
**Sr. Lect. (M/Sc)**  
**Engg. School**  
**Jharsuguda**