ACADEMIC LESSON PLAN OF ENGG.PHYSICS PRACTICAL-2023(SUMMER)

Subject:Engg.Physics Practical(Pr 2a)

Department: Math & Sc.

Discipline: Civil Engg. & Mech. Engg.	Name of the teaching faculty: Arundhati Behera : Sashwata Sahoo	
Subject-Engg.Physics Practical(Pr2a)	Semester from : 20.03.2023 to 27.06.2023 No. of weeks:15 weeks	
WEEK	No.of days/per week class allotted. 4p/week.	Practical Topics
1st week	1st	EXPERIMENT 1 :- To find the cross sectional area of a wire using a screw gauge. Demonstration given.
	2nd	Observation and readings taken by the students.
2nd week	1st	Verification of the observation and readings taken by the students. Sessional of the experiment 1.
	2nd	EXPERIMENT 2 :-To find the thickness and volume of a glass piece using a screw gauge. Demonstration given.
3rd week	1st	Observation and readings taken by the students.
	2nd	Verification of the observation and readings taken by the students. Sessional of experiment 2.
4th week	1st	EXPERIMENT 3 :- To find volume of a solid cylinder using a Vernier Calipers. Demonstration given.
	2nd	Observation and readings taken by the students.
5th week	1st	Verification of the observation and readings taken by the students. Sessional of experiment3.
	2nd	EXPERIMENT 4:- To find volume of a hollow cylinder using a Vernier Calipers. Demonstration given.
6th week	1st	Observation and readings taken by the students.

	2nd	Verification of the observation and readings taken by the students. Sessional of experiment3.
7th week	1st	EXPERIMENT 5 :- To determine the radius of curvature of convex surface using a Spherometer. Demonstration given.
	2nd	Observation and readings taken by the students.
8th week	1st	Verification of the observation and readings taken by the students.
	2nd	Sessional of experiment5.
9th week	1st	EXPERIMENT 6:- To determine the radius of curvature of concave surface using a Spherometer.
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 6.
10th week	1st	EXPERIMENT 7:- To find the time period of a simple pendulum and determine acceleration due to gravity. Demonstration given and Observation and readings taken by the students
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 7.
11th week	1st	EXPERIMENT 8:- To determine the angle of Prism. Demonstration given and Observation and readings taken by the students
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 8.
12th week	1st	EXPERIMENT 9:- To determine the angle of Minimum Deviation by I ~ D curve method. Demonstration given and Observation and readings taken by the students.
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 9.
13th week	1st	EXPERIMENT 10:- To trace lines of force due to a bar magnet with North pole pointing North and locate the

		neutral points. Demonstration given and Observation and readings taken by the students.
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 10.
14th week	1st	EXPERIMENT 11:- To trace lines of force due to a bar magnet with North pole pointing South and locate the neutral points. Demonstration given and Observation and readings taken by the students.
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 11.
15th week	1st	EXPERIMENT 12:- To verify Ohm's Law by Ammeter-Voltmeter method. Demonstration given and Observation and readings taken by the students.
	2nd	Verification of the observation and readings taken by the students and Sessional of experiment 12.

Arundhati Behura Sashwata Sahoo

Signature of the faculty