LESSON PLAN OF PHYSICS LABORATORY

GOVERNMENT POLYTECHNIC,DHENKANAL

BRANCH :- CIVIL, MECHANICAL		1ST SEMESTER	SEMESTER FROM DATE : 16.08.2023 TO DATE : 11.12.2023
SUB : PHYSICS LAB. PR. 2(a)		ALLOTED CLASS IN A WEEK = 02 NO. OF WEEKS = 15	NAME OF THE FACULTY:- ~~MRS~~ SIPRA SUBHADARSHINI JENA
WEEK	**CLASS DAY**	**EXPERIMENT NO. AND NAME**	**PRATICAL TOPICS**
1ST	1ST	01 & To find out the cross sectional area of a given wire using Screw gauge.	1. Introduction of the instrument and demonstration of Experiment no. -01 by the faculty.
	2ND		2. Observation and calculation by students
2ND	1ST		3. Record writing by the students, record checking and viva voce conducted by the faculty
	2ND	02 & To find out the volume of a given glass piece using Screw gauge.	1. Introduction of the instrument and demonstration of Experiment no. -02 by the faculty.
3rd	1ST		2. Observation and calculation by students
	2ND		3. Record writing by the students, record checking and viva voce conducted by the faculty
4th	1ST	03 & To find the volume of solid cylinder using Vernier callipers.	1. Introduction of the instrument and demonstration of Experiment no. -03 by the faculty.
	2ND		2. Observation and calculation by students
5th	1ST		3. Record writing by the students, record checking and viva voce conducted by the faculty
	2ND	04 & To find out the volume of a given glass piece using screw gauge.	1. Introduction of the instrument and demonstration of Experiment no. -04 by the faculty.
6th	1ST		2. Observation and calculation by students
	2ND		3. Record writing by the students, record checking and viva voce conducted by the faculty
7th	1ST	05 & To determine the radius of curvature of convex surface using Spherometer.	1. Introduction of the instrument and demonstration of Experiment no. -05 by the faculty.
	2ND		2. Observation and calculation by students
	1ST		3. Record writing by the students, record checking and viva voce conducted by the faculty

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8th	2ND	06 & To determine the radius of curvature of concave surface using Spherometer.	1. Introduction of the instrument and demonstration of Experiment no. -06 by the faculty.
9th	1ST		2. Observation and calculation by students.
	2ND		3. Record writing by the students, record checking and viva voce conducted by the faculty.
10th	1ST	07 & To find the time period of a simple pendulum and determine acceleration due to gravity.	1. Introduction of the instrument and demonstration of Experiment no. -07 by the faculty.
	2ND		2. Observation and calculation by students.
11th	1ST		3. Record writing by the students, record checking and viva voce conducted by the faculty.
	2ND	08 & To determine the angle of prism.	1. Introduction of the instrument and demonstration of Experiment no. -08 by the faculty.
12th	1ST		2. Observation and calculation by students.
	2ND		3. Record writing by the students, record checking and viva voce conducted by the faculty.
13th	1ST	09 & To determine the angle of minimum deviation by I~D curve method.	1. Introduction of the instrument and demonstration of Experiment no. -09 by the faculty.
	2ND		2. Observation and calculation by students.
14th	1ST		3. Record writing by the students, record checking and viva voce conducted by the faculty.
	2ND	10 & 11 & To trace lines of force due to a bar magnet with North pole pointing North and locate the neutral points & To trace lines force due to a bar magnet with North pole pointing South and locate the neutral points.	1. Introduction of the instrument and demonstration of Expt no. -10 & 11 by the faculty.
15th	1ST		2. Drawing by students Experiment No. -10 and viva voce conducted by the faculty.
	2ND		3. Drawing by students Experiment No. -11 and viva voce conducted by the faculty.