LESSON PLAN FOR ENGINEERING PHYSICS PRATICAL

Branch:- **Electrical Engineering**

Semester:- **2nd**

Subject:- Engineering Physics Practical (Pr. 2a)

Name of the Teaching Faculty:-
Chinmmaya Kumar Panda

No. of weeks: **16**

No. of days per week class allotted:-**04**

Semester from date: **29/01/2024** to Date:**14/05/2024**

Week	Class day	Practical Topics
1st	1st	Introduction about **Screw Gauge**
	2nd	Demonstration of finding the **Cross-sectional area of a wire using Screw Gauge**
	3rd	To find the **Cross-sectional area of a wire using Screw Gauge**
	4th	To find the **Cross-sectional area of a wire using Screw Gauge**
2nd	1st	To find the **Cross-sectional area of a wire using Screw Gauge**
	2nd	Submission of record and Viva for the **Cross-sectional area of a wire using Screw Gauge**
	3rd	Introduction about **Vernier Caliper**
	4th	Demonstration of finding the **thickness & volume of a glass slab using Vernier Caliper**
3rd	1st	To find the **thickness & volume of a glass slab using a Vernier Caliper**
	2nd	To find the **thickness & volume of a glass slab using a Vernier Caliper**
	3rd	To find the **thickness & volume of a glass slab using a Vernier Caliper**
	4th	Submission of record and Viva for **the thickness & volume of a glass slab using a Vernier Caliper**
4th	1st	Demonstration of finding the **volume of a Solid Cylinder using Vernier Caliper**
	2nd	To find the **volume of a Solid Cylinder using Vernier Caliper**
	3rd	To find the **volume of a Solid Cylinder using Vernier Caliper**
	4th	To find the **volume of a Solid cylinder using Vernier Caliper**
5th	1st	Submission of record and Viva for the **volume of a Solid Cylinder using a Vernier Caliper**
	2nd	Demonstration of finding the **volume of a Hollow cylinder using Vernier Caliper**
	3rd	To find the **volume of a Hollow cylinder using Vernier Caliper**
	4th	To find the **volume of a Hollow cylinder using Vernier Caliper**

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Week	Class day	Practical Topics
6th	1st	To find the **volume of a Hollow cylinder using Vernier Caliper**
	2nd	Submission of record and Viva for the **volume of a Hollow cylinder using Vernier Caliper**
	3rd	Introduction about **Spherometer**
	4th	Demonstration for determining the **radius of curvature of convex surface using a Spherometer.**
7th	1st	To determine the **radius of curvature of convex surface using a Spherometer**
	2nd	To determine the **radius of curvature of convex surface using a Spherometer**
	3rd	To determine the **radius of curvature of convex surface using a Spherometer.**
	4th	Submission of record and Viva for the **radius of curvature of convex surface using a Spherometer.**
8th	1st	Demonstration for determining the **radius of curvature of concave surface using a Spherometer.**
	2nd	To determine the **radius of curvature of concave surface using a Spherometer**
	3rd	To determine the **radius of curvature of concave surface using a Spherometer**
	4th	To determine the **radius of curvature of concave surface using a Spherometer**
9th	1st	Submission of record and Viva for the **radius of curvature of concave surface using a Spherometer**
	2nd	Discussion about **bar magnet & magnetic lines of force**
	3rd	Demonstration for **tracing lines of force due to a bar magnet with North pole pointing North and locate the neutral points**
	4th	Demonstration for **tracing lines of force due to a bar magnet with North pole pointing North and locate the neutral points**
10th	1st	Demonstration for **tracing lines of force due to a bar magnet with North pole pointing North and locate the neutral points**
	2nd	Submission of record and Viva for **tracing lines of force due to a bar magnet with North pole pointing North and locate the neutral points**
	3rd	Demonstration for **tracing lines of force due to a bar magnet with North pole pointing South and locate the neutral points**
	4th	To trace **lines of force due to a bar magnet with North pole pointing South and locate the neutral points**
11th	1st	To trace **lines of force due to a bar magnet with North pole pointing South and locate the neutral points**
	2nd	To trace **lines of force due to a bar magnet with North pole pointing South and locate the neutral points**
	3rd	Submission of record and Viva for **tracing lines of force due to a bar magnet with North pole pointing South and locate the neutral points**
	4th	Discussion about **Prism**

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Week	Class day	Practical Topics
12th	1st	Demonstration for determining the **angle of Prism**
	2nd	To determine the **angle of Prism**
	3rd	To determine the **angle of Prism**
	4th	To determine the **angle of Prism**
13th	1st	Demonstration for determining **the angle of Prism**
	2nd	Demonstration for determining **the angle of Minimum Deviation by I ~ D curve method**
	3rd	To determine the **angle of Minimum Deviation by I ~ D curve method**
	4th	To determine the **angle of Minimum Deviation by I ~ D curve method**
14th	1st	To determine the **angle of Minimum Deviation by I ~ D curve method**
	2nd	To determine the **angle of Minimum Deviation by I ~ D curve method**
	3rd	To determine the **angle of Minimum Deviation by I ~ D curve method**
	4th	Submission of record and Viva for **the angle of Minimum Deviation by I ~ D curve method**
15th & 16th	1st	Doubt Clearing class & practice session
	2nd	Doubt Clearing class & practice session
	3rd	Doubt Clearing class & practice session
	4th	Doubt Clearing class & practice session

Panda 27.01.2024

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