

<b>Discipline:- Math &amp; Science</b>	<b>Semester:- 1st &amp; 2<sup>nd</sup> Semester</b>	<b>Name of the Teaching Faculty:- Miss Pooja Sahu , Lect. in Physics</b>
<b>Subject:- Engineering Physics Practical</b>	<b>No. of Days/ week Class Allotted:-60</b>	
<b>Week</b>	<b>Class Day</b>	<b>Practical Topics</b>
1 <sup>st</sup>	1 <sup>st</sup>	Safety instructions to the students.
	2 <sup>nd</sup>	Precautions to be taken during practical classes.
2 <sup>nd</sup>	1 <sup>st</sup>	Acquaintance of the students with the laboratory apparatus.
	2 <sup>nd</sup>	Acquaintance of the students with the basic concept & formulas.
3 <sup>rd</sup>	1 <sup>st</sup>	To find the cross-sectional area of a wire using a screw gauge.(Theory)
	2 <sup>nd</sup>	To find the cross-sectional area of a wire using a screw gauge.(Practical)
4 <sup>th</sup>	1 <sup>st</sup>	To find the cross-sectional area of a wire using a screw gauge.(Practical)
	2 <sup>nd</sup>	To find the thickness and volume of a glass piece using a screw gauge.(Theory)
5 <sup>th</sup>	1 <sup>st</sup>	To find the thickness and volume of a glass piece using a screw gauge. (Practical)
	2 <sup>nd</sup>	To find the thickness and volume of a glass piece using a screw gauge.(Practical)
6 <sup>th</sup>	1 <sup>st</sup>	To find the volume of a solid cylinder using a Vernier Calipers.(Theory)
	2 <sup>nd</sup>	To find the volume of a solid cylinder using a Vernier Calipers.(Practical)
7 <sup>th</sup>	1 <sup>st</sup>	To find the volume of a solid cylinder using a Vernier Calipers.(Practical)
	2 <sup>nd</sup>	To find the volume of a hollow cylinder using a Vernier Calipers.(Theory)
8 <sup>th</sup>	1 <sup>st</sup>	To find the volume of a hollow cylinder using a Vernier Calipers.(Practical)
	2 <sup>nd</sup>	To find the volume of a hollow cylinder using a Vernier Calipers.(Practical)
9 <sup>th</sup>	1 <sup>st</sup>	To determine the radius of curvature of convex surface using a Spherometer. (Theory).
	2 <sup>nd</sup>	To determine the radius of curvature of convex surface using a Spherometer. (Practical)
10 <sup>th</sup>	1 <sup>st</sup>	To determine the radius of curvature of convex surface using a Spherometer. (Practical)
	2 <sup>nd</sup>	To determine the radius of curvature of concave surface using a Spherometer. (Theory)
11 <sup>th</sup>	1 <sup>st</sup>	To determine the radius of curvature of concave surface using a Spherometer. (Practical)
	2 <sup>nd</sup>	To determine the radius of curvature of concave surface using a Spherometer. (Practical)
12 <sup>th</sup>	1 <sup>st</sup>	To find the time period of a simple pendulum and determine acceleration due to gravity.(Theory)
	2 <sup>nd</sup>	To find the time period of a simple pendulum and determine acceleration due to gravity.(Practical)
13 <sup>th</sup>	1 <sup>st</sup>	To find the time period of a simple pendulum and determine acceleration due to gravity.(Practical)
	2 <sup>nd</sup>	To determine the angle of Prism.(Theory)

14 <sup>th</sup>	1 <sup>st</sup>	To determine the angle of Prism.(Practical)
	2 <sup>nd</sup>	To determine the angle of Minimum Deviation by I-D curve method.(Theory)
15 <sup>th</sup>	1 <sup>st</sup>	To determine the angle of Minimum Deviation by I-D curve method.(Practical)
	2 <sup>nd</sup>	To determine the angle of Minimum Deviation by I-D curve method.(Practical)
16 <sup>th</sup>	1 <sup>st</sup>	To trace lines of force due to a bar magnet with North pole pointing North & Locate the neutral points. (Theory)
	2 <sup>nd</sup>	To trace lines of force due to a bar magnet with North pole pointing North & Locate the neutral points. (Practical)
17 <sup>th</sup>	1 <sup>st</sup>	To trace lines of force due to a bar magnet with North pole pointing South & Locate the neutral points. (Theory)
	2 <sup>nd</sup>	To trace lines of force due to a bar magnet with North pole pointing South & Locate the neutral points. (Practical)
18 <sup>th</sup>	1 <sup>st</sup>	To verify Ohm's Law by Ammeter – Voltmeter method. (Theory)
	2 <sup>nd</sup>	To verify Ohm's Law by Ammeter – Voltmeter method.(Practical)