

**LESSON PLAN FOR ACADEMIC SESSION 2022-23**

<b>Discipline: Physics</b>	<b>Semester: 2nd Branch: Electrical</b>	<b>Name of the Teaching Faculty: Abhilash Padhy</b>
<b>Subject: Engg. Physics (Th 2A)</b>	<b>No. of Days/per week class allotted: 04</b>	<b>Semester From date: 20/03/2023 To Date: 27/06/2023  No. of Weeks: 14</b>
<b>Week</b>	<b>Class Day/ Period</b>	<b>Topics to be covered</b>
<b>1st (20-25) Mar.</b>	<b>1st</b>	Introduction to Physics and Physical quantities, fundamental and derived units, System of Units (M.K.S. , C.G.S. , F.P.S. , S.I.), Metric Prefixes
	<b>2nd</b>	Definition of dimension and Dimensional formulae of physical quantities, Dimensional Equations and Principle of Homogeneity, Checking the dimensional correctness of physical relations
	<b>3rd</b>	Definition and concept of scalar and vector quantities, examples and types of vector
	<b>4th</b>	Triangle and parallelogram law of vector addition, Simple Numericals
<b>2nd (27 Mar. -1 April)</b>	<b>1st</b>	Resolution of vectors, vector multiplication (scalar and vector product)
	<b>2nd</b>	Discussion of Assignment 1 and 2
	<b>3rd</b>	Concept of rest and motion, displacement, speed, velocity, acceleration, force (Definition, formula, dimension & SI units), equations of motion under gravity
	<b>4th</b>	Definition and example of projectile, Time of flight, maximum height, horizontal range, for projectile fired at an angle
<b>3rd (3-8) April</b>	<b>1st</b>	Equation of trajectory for projectile fired at an angle, condition for maximum horizontal range
	<b>2nd</b>	circular motion (angular displacement, velocity, acceleration), relation between linear velocity and angular velocity, relation between linear and angular acceleration
<b>4th (10-15) April</b>	<b>11th</b>	Discussion of Assignment 3
	<b>12th</b>	Definition, formula and SI unit of work
<b>5th (17-22) April</b>	<b>1st</b>	Definition and concept of friction, types of friction (static and dynamic), limiting friction, laws of limiting friction, coefficient of friction, simple numericals and methods of reducing friction
	<b>2nd</b>	Newton's laws of gravitation- Statement and Explanation, Universal gravitational constant (G)- Definition, Unit and Dimension, Discussion of Assignment 4
	<b>3rd</b>	Acceleration due to gravity (g)- Definition and Concept, Relation between g and G and comparison between mass and weight, variation of g with altitude and depth (Explanation)
	<b>4th</b>	Kepler's laws of planetary motion, Monthly Assessment 1
<b>6th (24-29) April</b>	<b>1st</b>	Simple Harmonic Motion (SHM)- Definition and Examples
	<b>2nd</b>	Expression for displacement, velocity, acceleration of a body in SHM
	<b>3rd</b>	Wave motion- Definition & Concept, Transverse and Longitudinal wave motion- Definition, Examples & Comparison
	<b>4th</b>	Definition of different wave parameters (amplitude, wavelength, frequency, time period), Derivation of relation between velocity, frequency and wavelength of a wave.
<b>7th (1-6) May</b>	<b>1st</b>	Ultrasonics- definition, properties and applications
	<b>2nd</b>	Heat and Temperature- definition, concept, units and difference, Discussion of Assignment 5
<b>8th (8-13) May</b>	<b>1st</b>	specific heat, change of state, latent heat (concept, definition, unit, dimension) with simple numericals
	<b>2nd</b>	Definition and concept of thermal expansion
	<b>3rd</b>	expansion of solids, coefficient of linear, superficial and cubical expansion, relation between alpha, beta, gamma

	<b>4th</b>	concept and relation of work and heat, joules mechanical equivalent of heat, first law of thermodynamics
<b>9th (15-20) May</b>	<b>1st</b>	Discussion of Assignment 6
	<b>2nd</b>	Definition and laws of reflection and refraction
<b>10th (22-27) May</b>	<b>1st</b>	definition and concept of refractive index, simple numericals
	<b>2nd</b>	Critical angle and total internal reflection
	<b>3rd</b>	Refraction through prism (ray diagram and formula)
	<b>4th</b>	Fibre optics: definition, properties and applications
<b>11th (29th May -3rd June)</b>	<b>1st</b>	Discussion of Assignment 7 and Monthly Assessment 2
	<b>2nd</b>	Definition and concept of Electrostatics, Statement and explanation of Coulomb's law, definition of unit charge, absolute and relative permittivity
	<b>3rd</b>	electric field, electric field intensity
	<b>4th</b>	Electric Potential and Electric Potential Difference (Definition, Formula & SI Units)
<b>12th (5-10) June</b>	<b>1st</b>	Capacitance, series and parallel combination of capacitors, simple numericals
	<b>2nd</b>	Magnet, properties of magnet, Coulomb's laws in magnetism, Unit pole
	<b>3rd</b>	Magnetic field and magnetic field intensity, magnetic lines of force, magnetic flux and magnetic flux density
	<b>4th</b>	Electric current: definition, formula and SI units, Ohm's law and its applications
<b>13th (12-17) June</b>	<b>1st</b>	Series and parallel combination of resistors, Simple numericals, Discussion of Assignment 8
	<b>2nd</b>	Kirchhoff's Laws (Statement & Explanation with diagram), Application of Kirchhoff's law to Wheatstone bridge, balanced WB and condition for balance, Discussion of Assignment 9
<b>14th (19-24) June</b>	<b>1st</b>	electromagnetism: definition and concept, force acting on a current carrying conductor placed in uniform magnetic field, Fleming's left hand rule
	<b>2nd</b>	Faraday's laws of electromagnetic induction, Lenz's law, Fleming's right hand rule and comparison with Fleming's left hand rule
	<b>3rd</b>	Laser and Laser beam (concept and Definition), Population inversion and Optical pumping, properties and applications of laser,
	<b>4th</b>	wireless transmission: ground waves, sky waves, space waves, Discussion of Assignment 10, Monthly Assessment 3

**LESSON PLAN FOR ACADEMIC SESSION 2022-23**

<b>Discipline:</b> Physics	<b>Semester: 2nd</b> <b>Branch: Electrical</b> <b>Group: 5</b>	<b>Name of the Teaching Faculty: Abhilash Padhy</b>
<b>Subject: Engg. Physics Practical(Pr 2a)</b>	<b>No. of Days/per week class allotted: 04</b>	<b>Semester From date: 20/03/2023 To Date: 27/06/2023</b> <b>No. of Weeks: 14</b>
<b>Week</b>	<b>Class Day/Period</b>	<b>Topics to be covered</b>
<b>1st (20-25) Mar.</b>	<b>1st</b>	Introductory Remarks on Course Structure, Laboratory Criteria,
	<b>2nd</b>	Identification of Various Lab Equipment
	<b>3rd</b>	
	<b>4th</b>	Theory of measurement of length with vernier calliper with demonstration of measurement
<b>2nd (27 Mar. - 1 April)</b>	<b>1st</b>	
	<b>2nd</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and) Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
<b>3rd (3-8) April</b>	<b>1st</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and)
	<b>2nd</b>	Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
	<b>3rd</b>	
	<b>4th</b>	Theory of measurement of length with Screw gauge with demonstration of measurement
<b>4th (10-15) April</b>	<b>1st</b>	Experiment 03 : Determination of the crosssectional area of a wire using screw gauge.(and)
	<b>2nd</b>	Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
	<b>3rd</b>	Experiment 03 : Determination of the crosssectional area of a wire using screw gauge.(and)
	<b>4th</b>	Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
<b>5th (17-22) April</b>	<b>1st</b>	
	<b>2nd</b>	Theory of measurement of length with Screw gauge with demonstration of measurement
	<b>3rd</b>	
	<b>4th</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and)Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
<b>6th (24-29) April</b>	<b>1st</b>	
	<b>2nd</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and)Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
	<b>3rd</b>	
	<b>4th</b>	Theory Class on Simple Oscilation, Time period of a simple pendulum and determination of g
<b>7th (1-6) May</b>	<b>1st</b>	
	<b>2nd</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>3rd</b>	
	<b>4th</b>	Experiment 07 : Determination of 'g' by using simple pendulum
<b>8th (8-13) May</b>	<b>1st</b>	
	<b>2nd</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>3rd</b>	
	<b>4th</b>	Theory of magnetic field, magnetic lines of forces and the neutral point along with demonstration
<b>9th (15-20) May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and)
	<b>2nd</b>	Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>3rd</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and)
	<b>4th</b>	Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.

<b>10th (22-27) May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and)
	<b>2nd</b>	Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>3rd</b>	
	<b>4th</b>	Theory class on Refraction through Prism
<b>11th (29th May -3rd June)</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>2nd</b>	Experiment 11 : Determination of angle of prism
	<b>3rd</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>4th</b>	Experiment 11 : Determination of angle of prism
<b>12th (5-10) June</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>2nd</b>	Experiment 11 : Determination of angle of prism
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>13th (12-17) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
<b>14th (19-24) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11

**LESSON PLAN FOR ACADEMIC SESSION 2022-23**

<b>Discipline: Physics</b>	<b>Semester: 2nd Branch: Electrical Group: 6</b>	<b>Name of the Teaching Faculty: Abhilash Padhy</b>
<b>Subject: Engg. Physics Practical (Pr 2A)</b>	<b>No. of Days/per week class allotted: 04</b>	<b>Semester From date: 20/03/2023 To Date: 27/06/2023 No. of Weeks: 15</b>
<b>Week</b>	<b>Class Day/ Period</b>	<b>Topics to be covered</b>
<b>1st (20-25) Mar.</b>	<b>1st</b>	Introductory Remarks on Course Structure, Laboratory Criteria, Identification of Various Lab Equipment
	<b>2nd</b>	
	<b>3rd</b>	Theory of measurement of length with vernier calliper with demonstration of measurement
	<b>4th</b>	
<b>2nd (27 Mar. - 1 April)</b>	<b>1st</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and) Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
	<b>2nd</b>	
	<b>3rd</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and) Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
	<b>4th</b>	
<b>3rd (3-8) April</b>	<b>1st</b>	Theory of measurement of length with Screw gauge with demonstration of measurement
	<b>2nd</b>	
	<b>3rd</b>	Experiment 03 : Determination of the crosssectional area of a wire using screw gauge.(and) Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
	<b>4th</b>	
<b>4th (10-15) April</b>	<b>1st</b>	Experiment 03 : Determination of the crosssectional area of a wire using screw gauge.(and) Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
	<b>2nd</b>	
	<b>3rd</b>	Theory of measurement of length with Screw gauge with demonstration of measurement
	<b>4th</b>	
<b>5th (17-22) April</b>	<b>1st</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and) Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
	<b>2nd</b>	
	<b>3rd</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and) Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
	<b>4th</b>	
<b>6th (24-29) April</b>	<b>1st</b>	Theory Class on Simple Oscilation, Time period of a simple pendulum and determination of g
	<b>2nd</b>	
	<b>3rd</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>4th</b>	
<b>7th (1-6) May</b>	<b>1st</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>2nd</b>	
	<b>3rd</b>	Theory of magnetic field, magnetic lines of forces and the neutral point along with demonstration
	<b>4th</b>	
<b>8th (8-13) May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and) Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>2nd</b>	
	<b>3rd</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and) Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>4th</b>	

<b>9th (15-20) May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and)
	<b>2nd</b>	Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>3rd</b>	
	<b>4th</b>	Theory class on Refraction through Prism
<b>10th (22-27) May</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>2nd</b>	Experiment 11 : Determination of angle of prism
	<b>3rd</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>4th</b>	Experiment 11 : Determination of angle of prism
<b>11th (29th May -3rd June)</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and)
	<b>2nd</b>	Experiment 11 : Determination of angle of prism
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>12th (5-10) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>13th (12-17) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>14th (19-24) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
<b>15th (26-27) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11

**LESSON PLAN FOR ACADEMIC SESSION 2022-23**

<b>Discipline:</b> Physics	<b>Semester: 2nd</b> <b>Branch: E&amp;TC</b>	<b>Name of the Teaching Faculty: Abhilash Padhy</b>
<b>Subject: Engg. Physics (Th 2A)</b>	<b>No. of Days/per week class allotted: 04</b>	<b>Semester From date: 20/03/2023 To Date: 27/06/2023</b> <b>No. of Weeks: 14</b>
<b>Week</b>	<b>Class Day/Period</b>	<b>Topics to be covered</b>
<b>1st (20-25) Mar.</b>	<b>1st</b>	Introduction to Physics and Physical quantities, fundamental and derived units, System of Units (M.K.S. , C.G.S. , F.P.S. , S.I.), Metric Prefixes
	<b>2nd</b>	Definition of dimension and Dimensional formulae of physical quantities, Dimensional Equations and Principle of Homogeneity, Checking the dimensional correctness of physical relations
	<b>3rd</b>	Definition and concept of scalar and vector quantities, examples and types of vector
	<b>4th</b>	Triangle and parallelogram law of vector addition, Simple Numericals
<b>2nd (27 Mar. -1 April)</b>	<b>1st</b>	Resolution of vectors, vector multiplication (scalar and vector product)
	<b>2nd</b>	Discussion of Assignment 1 and 2
<b>3rd (3-8) April</b>	<b>1st</b>	Concept of rest and motion, displacement, speed, velocity, acceleration, force (Definition, formula, dimension & SI units), equations of motion under gravity
	<b>2nd</b>	Definition and example of projectile, Time of flight, maximum height, horizontal range, for projectile fired at an angle
	<b>3rd</b>	Equation of trajectory for projectile fired at an angle, condition for maximum horizontal range
	<b>4th</b>	circular motion (angular displacement, velocity, acceleration), relation between linear velocity and angular velocity, relation between linear and angular acceleration
<b>4th (10-15) April</b>	<b>1st</b>	Discussion of Assignment 3
	<b>2nd</b>	Definition, formula and SI unit of work
	<b>3rd</b>	Definition and concept of friction, types of friction (static and dynamic), limiting friction, laws of limiting friction, coefficient of friction, simple numericals and methods of reducing friction
	<b>4th</b>	Newton's laws of gravitation- Statement and Explanation, Universal gravitational constant (G)- Definition, Unit and Dimension, Discussion of Assignment 4
<b>5th (17-22) April</b>	<b>1st</b>	Acceleration due to gravity (g)- Definition and Concept, Relation between g and G and comparison between mass and weight, variation of g with altitude and depth (Explanation)
	<b>2nd</b>	Kepler's laws of planetary motion, Monthly Assessment 1
	<b>3rd</b>	Simple Harmonic Motion (SHM)- Definition and Examples
	<b>4th</b>	Expression for displacement, velocity, acceleration of a body in SHM
<b>6th (24-29) April</b>	<b>1st</b>	Wave motion- Definition & Concept, Transverse and Longitudinal wave motion- Definition, Examples & Comparison
	<b>2nd</b>	Definition of different wave parameters (amplitude, wavelength, frequency, time period), Derivation of relation between velocity, frequency and wavelength of a wave.
	<b>3rd</b>	Ultrasonics- definition, properties and applications
	<b>4th</b>	Heat and Temperature- definition, concept, units and difference, Discussion of Assignment 5
<b>7th (1-6) May</b>	<b>1st</b>	specific heat, change of state, latent heat (concept, definition, unit, dimension) with simple numericals
	<b>2nd</b>	Definition and concept of thermal expansion
	<b>3rd</b>	expansion of solids, coefficient of linear, superficial and cubical expansion, relation between alpha, beta, gamma
	<b>4th</b>	concept and relation of work and heat, joules mechanical equivalent of heat, first law of thermodynamics
<b>8th (8-13) May</b>	<b>1st</b>	Discussion of Assignment 6
	<b>2nd</b>	Definition and laws of reflection and refraction
	<b>3rd</b>	definition and concept of refractive index, simple numericals
	<b>4th</b>	Critical angle and total internal reflection

<b>9th (15-20) May</b>	<b>1st</b>	Refraction through prism(ray diagram and formula)
	<b>2nd</b>	Fibre optics: definition, properties and applications
	<b>3rd</b>	Discussion of Assignment 7 and Monthly Assessment2
	<b>4th</b>	Defination and concept of Electrostatics, Statement and explanation of Coloumb's law, definition of unit charge, absolute and relative pemittivity
<b>10th (22-27) May</b>	<b>1st</b>	electric field, electric field intensity
	<b>2nd</b>	Electric Potential and Electric Potential Difference (Definition, Formula & SI Units)
	<b>3rd</b>	Capacitance,series and parallel combination of capacitors, simple numericals
	<b>4th</b>	Magnet, properties of magnet, Coloumb's laws in magnetism, Unit pole
<b>11th (29th May -3rd June)</b>	<b>1st</b>	Magnetic field and magnetic field intensity, magnetic lines of force, magnetic flux and magnetic flux density
	<b>2nd</b>	Electric current: definition, formula and SI units, Ohm's law and it's applications
	<b>3rd</b>	Series and parallel combination of resistors, Simple numericals, Discussion of Assignment 8
	<b>4th</b>	Kirchhoff's Laws (Statement & Explanation with diagram),Application of kirchoff's law to wheatstonebridge, balanced WB and condition for balance, Discussion of Assignment 9
<b>12th (5-10) June</b>	<b>1st</b>	electromagnetism: definition and concept,force acting on a current carrying conductor placed in uniform magnetic field, Fleming's left hand rule
	<b>2nd</b>	Faraday's laws of electromagnetic induction, Lenz's law,
	<b>3rd</b>	Fleming's right hand rule and comparision with Fleming's left hand rule
	<b>4th</b>	Laser and Laser beam(concept and Definition),Population inversion and Optical pumping
<b>14th (19-24) June</b>	<b>1st</b>	properties and applications of laser,
	<b>2nd</b>	wireless transmission: ground waves, sky waves, space waves
	<b>3rd</b>	Discussion of Assignment 10, Monthly Assessment3
	<b>4th</b>	Revision of the course



**LESSON PLAN FOR ACADEMIC SESSION 2022-23**

<b>Discipline: Physics</b>	<b>Semester: 2nd Branch: E&amp;TC Group: 7</b>	<b>Name of the Teaching Faculty: Abhilash Padhy</b>
<b>Subject: Engg. Physics Practical (Pr 2A)</b>	<b>No. of Days/per week class allotted: 04</b>	<b>Semester From date: 20/03/2023 To Date: 27/06/2023  No. of Weeks: 15</b>
<b>Week</b>	<b>Class Day/ Period</b>	<b>Topics to be covered</b>
<b>1st (20-25) Mar.</b>	<b>1st</b>	Introductory Remarks on Course Structure, Laboratory Criteria, Identification of Various Lab Equipment
	<b>2nd</b>	
	<b>3rd</b>	Theory of measurement of length with vernier calliper with demonstration of measurement
	<b>4th</b>	
<b>2nd (27 Mar. - 1 April)</b>	<b>1st</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and) Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
	<b>2nd</b>	
<b>3rd (3-8) April</b>	<b>1st</b>	Experiment 01 : Determination of the volume of a solid cylinder using Vernier Caliper (and) Experiment 02 : Determination of the volume of an hollow cylinder using Vernier Caliper
	<b>2nd</b>	
	<b>3rd</b>	Theory of measurement of length with Screw gauge with demonstration of measurement
	<b>4th</b>	
<b>4th (10-15) April</b>	<b>1st</b>	Experiment 03 : Determination of the crossectional area of a wire using screw gauge.(and) Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
	<b>2nd</b>	
	<b>3rd</b>	Experiment 03 : Determination of the crossectional area of a wire using screw gauge.(and) Experiment o4 : Determination of Volume of a glass lamina using screw gauge.
	<b>4th</b>	
<b>5th (17-22) April</b>	<b>1st</b>	Theory of measurement of length with Spherometer with demonstration of measurement
	<b>2nd</b>	
	<b>3rd</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and) Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
	<b>4th</b>	
<b>6th (24-29) April</b>	<b>1st</b>	Experiment 05 : Determination of Radius of curvature of a convex surface, using spherometer (and) Experiment 06 : Determination of Radius of curvature of a concave surface, using spherometer
	<b>2nd</b>	
	<b>3rd</b>	Theory Class on Simple Oscilation, Time period of a simple pendulum and determination of g
	<b>4th</b>	
<b>7th (1-6) May</b>	<b>1st</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>2nd</b>	
	<b>3rd</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>4th</b>	
<b>8th (8-13) May</b>	<b>1st</b>	Experiment 07 : Determination of 'g' by using simple pendulum
	<b>2nd</b>	
	<b>3rd</b>	Theory of magnetic field, magnetic lines of forces and the neutral point along with demonstration
	<b>4th</b>	
<b>9th (15-20) May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and) Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>2nd</b>	
	<b>3rd</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and) Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>4th</b>	

<b>10th</b> <b>(22-27)</b> <b>May</b>	<b>1st</b>	Experiment 08 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing north.(and)
	<b>2nd</b>	Experiment 09 : Determination of the neutral point and drawing magnetic lines of force due to a bar magnet when its north pole is facing south.
	<b>3rd</b>	
	<b>4th</b>	Theory class on Refraction through Prism
<b>11th</b> <b>(29th May -3rd</b> <b>June)</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and) Experiment 11 : Determination of angle of prism
	<b>2nd</b>	
	<b>3rd</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and) Experiment 11 : Determination of angle of prism
	<b>4th</b>	
<b>12th</b> <b>(5-10)</b> <b>June</b>	<b>1st</b>	Experiment 10 : Determination of the angle of minimum deviation for a prism. (and) Experiment 11 : Determination of angle of prism
	<b>2nd</b>	
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>13th</b> <b>(12-17)</b> <b>June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>14th</b> <b>(19-24) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11
	<b>3rd</b>	
	<b>4th</b>	Makeup lab from Experiment 01 to Experiment 11
<b>15th</b> <b>(26-27) June</b>	<b>1st</b>	
	<b>2nd</b>	Makeup lab from Experiment 01 to Experiment 11