



BHAVAN'S BHAGWANDAS PUROHIT VIDYA MANDIR, NAGPUR

CURRICULUM PLAN (2023-24)

STD: XII SUBJECT: PHYSICS

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CURRICULUM PLAN (2023-2024)
SUBJECT :- PHYSICS
STD :- XII

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BHAVAN'S BHAGWANDAS PUROHIT VIDYA MANDIR, NAGPUR
CURRICULUM PLAN (2022-2023)
SUBJECT: - PHYSICS
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MONTH	WEEKLY DATES	NO. OF PERIODS	NAME OF THE TOPIC	TOPICS	NO.OF PERIODS REQUIRED	ACTIVITIES/SMART CLASS MODULES	ASSIGNMENTS /EVALUATION	LEARNING OUTCOMES/SUSTAINABLE DEVELOPMENT GOAL/SKILL ASSESSED
APRIL	2 nd & 3 rd week 6 th to 15 th	09	CHAPTER 1 – ELECTRIC CHARGES AND FIELDS	1.1 Introduction 1.2 Electric Charges 1.3 Conductors and Insulators 1.4 Basic Properties of Electric Charge 1.5 Coulomb's Law 1.6 Forces between Multiple Charges 1.7 Electric Field 1.8 Electric Field Lines 1.9 Electric Flux 1.10 Electric Dipole	1 1 1 1 1 1 1 1 1 1	ACTIVITY: 1. Gold leaf electroscope to be shown to the students. 2. Glass rod and ebonite rod with silk and woollen cloth	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to; 1. Understand that bodies having same kind of charge repel each other while those having opposite kinds of charge attract each other. 2. State Coulomb's law in electrostatics and draw an analogy with the Newton's law of gravitation. 3. Comprehend the concept of electric flux. Define electric field both qualitatively as well as quantitatively. 4. Appreciate that electric lines of force can be used to determine the direction and the strength of an electric field at any point. 5. Prove the Gauss's theorem for electrostatics using the concept of solid angle 6. Know that the Gauss's theorem is useful in calculating electric fields due to different charge configurations.
	4 th week 17 th to 24 st	04		1.11 Dipole in a Uniform External Field 1.12 Continuous Charge Distribution 1.13 Gauss's Law	1 1 2			<u>Skill: Creativity and Observational Skill</u>

MAY	5 th Week 24 th to 29 th	04	1.14 Applications of Gauss's Law	2	ACTIVITY: Making faraday's cage using wire mesh.	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to; Know that the Gauss's theorem is useful in calculating electric fields due to different charge configurations. <u>Creativity and analytical skill</u>
JUNE	1 st week 2 nd to 4 th	02	Exercise Chapter 1	4			
	4 th and 5 th WEEK 20 th to 30 th	08	CHAPTER 2 – ELECTROSTATIC POTENTIAL AND CAPACITANCE				
			2.1 Introduction	1		Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to; 1. Comprehend concept of electric potential
			2.2 Electrostatic Potential	1			2. Define electric potential energy of a system of charges is equal to the amount of work done in assembling that system of charges.
			2.3 Potential due to a Point Charge	1			3. Electric potential due to a point charge, a dipole and a system of charges.
			2.4 Potential due to an Electric Dipole	1			4. Comprehend equipotential surfaces
			2.5 Potential due to a System of Charges	1			5. Comprehend electric potential energy and behavior of a conductor in an electrostatic field.
			2.6 Equipotential Surfaces	1			<u>Information literacy skill,</u> <u>Communication skill</u>
			2.7 Potential Energy of a System of Charges	1			
			2.8 Potential Energy in an External Field	1			
JULY	1 st week 1 st to 8 th	07	2.9 Electrostatics of Conductors	1	MODULE: 1.Parallel plate capacitance		Students would be able to
			2.10 Dielectrics and Polarisation	1	LAB ACTIVITY: Observing various types of capacitors		1. differentiate dielectric material made up of either non-polar molecules or polar molecules. <u>Learning Skill</u>
			2.11 Capacitors and Capacitance	1			
			2.12 The Parallel Plate Capacitor	1			

JULY	1 st week 1 st to 8 th		CHAPTER 2 – ELECTROSTATIC POTENTIAL AND CAPACITANCE	2.13 Effect of Dielectric on capacitance 2.14 Combination of Capacitors 2.15 Energy Stored in a Capacitor Exercise	1 1 1		Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Comprehend the capacitance (C) of parallel plate capacitors and factors affecting the capacitance of capacitor with partially or fully field with dielectric medium. <u>Initiative Skill, Flexibility Skill</u>	
PERIODIC TEST- I DATE: 10th JULY Portion : CHAPTER 1 AND CHAPTER 2 (TILL 2.8)									
JULY	2 nd Week- 10 th to 15 th	07	CHAPTER 3 – CURRENT ELECTRICITY	3.1 Introduction 3.2 Electric Current 3.3 Electric Currents in Conductors 3.4 Ohm's law 3.5 Drift of Electrons and the Origin of Resistivity 3.6 Limitations of Ohm's Law 3.7 Resistivity of various Materials 3.8 Temperature Dependence of ρ	1 1 1 1 1 1	ACTIVITY: Demonstration of use of multimeter to identify the various items like resistors, capacitors, integrated circuits from mixed items. LAB-ACTIVITY: To verify the ohm's law.	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Define electric current. 2. Appreciate that an external electric field gives net drift velocity to free electrons in conductor 3. State Ohm's law 4. Understand the relationships Electrical Energy = Vt and Power = VI Realize that electrical resistivity. <u>Analytical Skill, Critical Thinking Skill, Observational Skill</u>	

JULY	3 rd week 17 th to 22 nd	07	CHAPTER 3 – CURRENT ELECTRICITY	3.9 Electrical energy and power 3.10 Cells, emf, internal resistance 3.11 Cells in series and parallel 3.12 Kirchhoff's Laws 3.13 Wheatstone Bridge Exercise	1 1 1 1 1 1 2	LAB- EXPERIMENT: To study Wheatstone Bridge principle.	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Define electrical energy and power. 2. Understand series and parallel combination of cells and able to solve numerical based on it. 3. State Kirchhoff's laws <u>Problem Solving Skill and technology skill</u> SDG: Use of Sea water to illuminate light.
JULY	4 th and 5 th Week 24 th to 31 st	5	CHAPTER 4 – MOVING CHARGES AND MAGNETISM	4.1 Introduction Oersted's experiment 4.2 Magnetic Force 4.3 Motion in a Magnetic Field 4.4 Magnetic Field due to a current element, Biot- Savart law	1 1 1 1 1 2	LAB ACTIVITY: Orested Experiment	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments	Students would be able to 1. Explain Orested experiment led to the realization that currents are the basic source of a magnetic field. 2. Formulate Biot-Savart law in a mathematical form for the magnetic field due to a current element. <u>Creativity and critical thinking skill</u>

PERIODIC TEST- II DATE: 8th AUG Portion : CHAPTER 2 (2.9 ONWARDS) AND AND CHAPTER 3								
AUGUST	1 st Week 1 st to 5 th	4	CHAPTER 4 – MOVING CHARGES AND MAGNETISM	4.5 Magnetic Field on the Axis of a Circular Current Loop 4.6 Ampere's Circutial Law 4.7 The Solenoid 4.8 Force between two parallel current ,	1 1 1 1	MODULE: Ampere's Circutial Law	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Use ampere's law, derive the expression for magnetic field due to an infinitely long straight current carrying wire, a long solenoid. 2. Understand force between two parallel current carrying conductors. <u>Analytical and Information Skill</u>
AUGUST	2 ND Week- 07 th to 12 th	07	CHAPTER 4 – MOVING CHARGES AND MAGNETISM	4.9 Torque on Current Loop and magnetic dipole 4.10 The Moving Coil Galvanometer Exercise	1 1 02	MODULE: 1. Moving coil galvanometer and 2. To determine and demonstrate the wording of a moving coil galvanometer showing it from inside.	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to: 1. Obtain an expression for the torque experienced by a current loop placed in a uniform magnetic field . 2. State the Principle, construction and working of a moving coil galvanometer. 3. Understand the conversion of a moving coil galvanometer into ammeter, and voltmeter. <u>Collaboration, Technology Skill</u>

AUG	3 rd Week- 14 th to 19 th	04	CHAPTER 5- MAGNETISM AND MATTER	5.1 Introduction 5.2 The Bar Magnet 5.3 magnetism and Gauss's law (DELETED)	1 2	ACTIVITY: 1. To show the bar magnet and magnetic needle 2. To draw magnetic field lines of bar magnet	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to: 1. list the properties of bar magnet and field lines. 2.Observe the direction of magnetic needle.
AUG	4 th and 5 th Week 21 st to 31 st	08	CHAPTER 6- ELECTRO- MAGNETIC INDUCTION	6.1 Introduction 6.2 The Experiments of Faraday and Henry 6.3 Magnetic Flux 6.4Faraday's Law EMI 6.5 Lenz's Law and Conservation of Energy 6.6 Motional e.m.f. 6.7 Inductance 6.8 AC generator Exercise.	1 1 1 1 1 1 1 1 1	MODULE: 1. Lenz's law 2.EMI LAB ACTIVITY: Working of AC Generator	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to: 1. Comprehend the term Electromagnetic Induction 2. State Faradays law of electromagnetic induction. 3. Understand the concept of motional emf and derive the mathematical formula. <u>Creative and Critical Thinking Skill</u>

SEPT	1 st and 2 nd week 1 st to 8 th	07	CHAPTER 7- ALTERNATING CURRENT	7.1 Introduction 7.2 AC Voltage Applied to a Resistor 7.3 Representation of AC Current and Voltage by Rotating Vectors -Phasors 7.4 AC Voltage Applied to an Inductor 7.5 AC Voltage Applied to a capacitor 7.6 AC voltage applied to a series LCR circuit 7.7 Power in AC Circuit: The Power Factor	1 1 2 1 1 1	MODULE: AC voltage- Phasor diagram of resistive, inductive and capacitive circuit and series LCR circuit	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments	Students would be able to: 1. understand the concept of Alternating Current 2. Appreciate the reason for considering sinusoidal time variation as the basic or fundamental form of alternating current 3. State the origin of representation of AC voltage (V) and AC current (I) versus (ωt) in resistive, inductive and capacitive circuit and series LCR circuit. <u>Learning Skills and Information Literacy Skill.</u>
SEPT	3 rd week 11 th to 16 th	06	CHAPTER 7- ALTERNATING CURRENT	7.8 Transformers Exercise	1 1	MODULE: Transformer	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to: 1. Understand the working of transformer <u>Critical Thinking</u> Students would be able to: 1.Understand inadequacy of Ampere's law 2.Know the frequency and wave length range of each part of EM spectrum <u>Communication Skill, ICT Skill</u>
			CHAPTER 8- ELECTRO-MAGNETIC WAVES	8.1 Introduction 8.2 Displacement Current 8.3 Electromagnetic waves, 8.4 Electromagnetic Spectrum Exercise	1 1 1 1 1	MODULE: Applications of EM Waves		

SEPT	4 th week- 18 th to 23 rd	07	CHAPTER 9 : RAY OPTICS AND OPTICAL INSTRUMENTS	9.1-Introduction 9.2-Reflection of light by Spherical mirrors 9.3-Refraction 9.4 Total Internal Reflection 9.5 Refraction at Spherical Surfaces and by Lenses 9.6 Refraction through a Prism 9.7 Optical Instruments Exercise	1 1 1 2	MODULE: Applications of total internal reflection. LAB ACTIVITY: To find the RI of glass prism	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Draw ray diagrams for image formation by a spherical mirror. 2. Comprehend the phenomena of Total Internal reflection 3. Able to explain image formation by convex and concave lenses. 4. understand the meaning of angle of minimum deviation. 5. compare the focal length of lens used in microscope and telescope Creative , Scientific literacy Skill and Technology Skill
	5 th week- 25 th to 27 th	03	-	-	1 2	-	-	-
HALF YEARLY EXAMINATION (THEORY & PRACTICAL): DATE 3rd Oct to 11th OCT, 2023. (PHYSICS, 30th SEPT)								
PORTION: CH 1 TO 7								
OCT	3 rd week 17 th to 21 st	05	CHAPTER :WAVE OPTICS 10	10.1 Introduction 10.2 Huygens Principle 10.3 Refraction and reflection of plane waves using Huygens Principle 10.4 coherent & in-coherent addition of waves 10.5 Interference of Light Waves and Young's Experiment	1 1 1 1 1	MODULE: 1. Ripple tank 2. Young's experiment	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to— 1. Use Huygens principle to understand (i) reflection (ii) refraction of a plane wave front at a plane surface 2. Define the term interference of light. 3. Comprehend the terms, phase difference, path difference and coherent sources Analytical Skill, Critical thinking and Problem solving skill

OCT	4 th and 5 th week 23 rd to 31 st	08	CHAPTER 10 :WAVE OPTICS..... Continued	10.6- Diffraction Exercise	1 2	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to 1. Compare interference pattern and diffraction pattern. Scientific Literacy Skill
NOV	1 st WEEK 1 st TO 4 th	04	CH-14 SEMICONDUCTOR ELECTRONICS: MATERIALS: DEVICES AND SIMPLE CIRCUIT	14.1-Introduction 14.2-Classification of Metals, Conductors and Semi-conductors 14.3- Intrinsic Semiconductor 14.4- Extrinsic Semiconductor 14.5- p-n Junction 14.6-Semiconductor diode 14.7- Application of Junction Diode as a Rectifier Exercise	1 1 1 1 1 1 1 1	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to--- 1.Understand the formation of p-n junction and the development of potential barrier across it. 2.Interpret correctly the characteristics of a junction diode in forward and reverse bias. Productivity, Creative Thinking Skill and Technology Skill SDG: Use of solar cell for energy consumption.
PERIODIC TEST- III DATE: 6th NOV Portion : CHAPTER 8, 9 and 10 (till 10.3) {Diwali Vacations: 10th NOV to 23rd NOV 2023}							

NOV	2 nd week 6 th to 11 th	05	CHAPTER 11 : DUAL NATURE OF RADIATION AND MATTER	11.1- Introduction 11.2- Electron Emission 11.3- Photoelectric Effect 11.4- Experimental Effect of Photoelectric Effect 11.5- Photoelectric Effect and Wave Theory of Light	1 1 1 1 1	MODULE: Photoelectric effect and Wave theory of light	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to- Interpret observations of photoelectric emission on the basis of photoelectric equation / wave particle duality of light Information, Technology Skill
NOV	3 rd week 13 th to 18 th	06	CHAPTER 11 : DUAL NATURE OF RADIATION AND MATTER	11.6- Einstein's Photoelectric Equation: Energy Quantum of Radiation 11.7- Particle Nature Of Light: The Photon 11.8- Wave Nature of Matter Exercise	1 1 1 2		Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments	Students would be able to- 1.Solve problems based on de Broglie relation 2.Intepret the drawback of wave theory of light. Communication Skill and Critical Thinking Skill
Nov	4 th and 5 th week 20 th to 25 th and 28 th to 30 th	10	CHAPTER 12 : ATOMS	12.1- Introduction 12.2- Alpha-particle Scattering and Rutherford's Nuclear Model of Atom 12.3- Atomic Spectra 12.4- Bohr Model of the Hydrogen Atom 12.5- The Line Spectra of the Hydrogen Atom 12.6- De-Broglie's Explanation of Bohr's Second Postulate of Quantization Exercise	1 1 2 1 2 1 2	MODULE: Geiger- Marsden's experiment Rutherford's model of atom	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to- 1. describe Geiger Marsden experiment of α particle scattering and its observations. 2.State Bohr's postulates for atomic structure 3. Describe the atomic spectra of Hydrogen atom Creative Thinking, Communication and Collaboration Skill

Sub: Physics 2023-24 Std: XII

DEC	1 ST AND 2 ND WEEK 1 ST and 2 nd 4 th to 9 th	09	CHAPTER 13 : NUCLEI	13.1- Introduction 13.2- Atomic masses and composition of nucleus 13.3- Size of the nucleus 13.4- Mass energy and nuclear BE 13.5- Nuclear Force 13.6- deleted 13.7 Nuclear energy, Exercise	1 1 1 2 3	MODULE: Fission Fusion	Text-book question-answers will be discussed and given as homework. Extra numerical will be given as assignments.	Students would be able to-- 1. Obtain Mass energy relation and binding energy per nucleon. 2. Compare Nuclear fission and fusion <u>Problem Solving Skill Analytical Skill</u> SDG : All Countries should sign on CTBT for not to use Nuclear Energy in war purpose(Atom bomb on Hiroshima and Nagasaki) and use it for Social development purpose (Ex Electricity)
DEC	3 rd week 11 th to 16 th	07	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION

Portion Completion Date 13th Dec 2023
PRE-BOARD EXAM : 20TH DEC 2023 TO 6TH JAN 2024
PHYSICS PAPER (26TH DEC 2023)

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CURRICULUM PLAN 2023-24

SUBJECT :- PHYSICS [042] PRACTICALS

STD :- XII

The record, to be submitted by the students, at the time of their annual examination, has to include:

- Record of at least 8 Experiments [with 4 from each section], to be performed by the students.
- Record of at least 6 Activities [with 3 each from section A and section B], to be performed by the students.
- Report of the project carried out by the students.

SECTION – A

Experiments

1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
2. To find resistance of a given wire / standard resistor using metre bridge.
3. To verify the laws of combination (series) of resistances using a metre bridge.

OR

To verify the laws of combination (parallel) of resistances using a metre bridge.

4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.

OR

To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.

6. To find the frequency of AC mains with a sonometer.

Activities

1. To measure the resistance and impedance of an inductor with or without iron core.
2. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.
3. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
4. To assemble the components of a given electrical circuit.
5. To study the variation in potential drop with length of a wire for a steady current.
6. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

SECTION-B

Experiments

1. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
2. To find the focal length of a convex mirror, using a convex lens.
3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
4. To find the focal length of a concave lens, using a convex lens.
5. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

6. To determine refractive index of a glass slab using a travelling microscope.
7. To find the refractive index of a liquid using convex lens and plane mirror.
8. To find the refractive index of a liquid using a concave mirror and a plane mirror.
9. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.

Activities

1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
3. To study effect of intensity of light (by varying distance of the source) on an LDR.
4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
5. To observe diffraction of light due to a thin slit.
6. To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
7. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

Suggested Investigatory Projects

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance). (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
6. To estimate the charge induced on each one of the two identical Styrofoam (or pith) ball suspended in a vertical plane by making use of Coulomb's law.
7. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
8. To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.

EVALUATION SCHEME

Time 3 hours

Max. Marks: 30

Topic	Marks
Two experiments one from each section	7+7
Practical record (experiment and activities)	5
One activity from any section	3
Investigatory Project	3
Viva on experiments, activities and project	5
Total	30



Subject: PHYSICS

Class: XII

Topic: Electrostatics

Sub-topic: Electric flux

Nature of Task: Group activity

Task: Post content

Skills Assessed: Analytical thinking, creativity, collaboration, problem solving

Learning Objectives: ① To calculate the electric flux associated with given closed surface.

② Dependence of change in flux with the change in position of charge inside the closed surface.

③ Dependence of electric flux on the size of closed surface.

Procedure: ① Teacher will divide the class into group of 4 to 5 students.

② Teacher will explain about the concept of electric flux.

③ Teacher will explain the purpose of activity.

④ Teacher will explain about the required raw materials (cube & small ball)

⑤ Teacher will discuss how to use the material to calculate electric flux

⑥ Students will draw 20 diagrams of the models prepared using different colours.



Assessment Criteria:

- Use Ecofriendly material
- Basic concepts involved.
- Creativity & collaboration of team members

Duration of the Task: 2 weeks (In August)

Follow up / Feedback:

- Teachers will ask about difficulty faced by students during making a model.
- Teachers will guide the students how to proceed.
- Teachers will explain how the snow materials can be used.

Assessment Rubric:

- | | | |
|----------------------------|---|-------|
| • Presentation | - | 01 |
| • Creativity & innovation | - | 01 |
| • Conceptual understanding | - | 01 |
| • Group Co-ordination | - | 0 1/2 |
| • Originality | - | 01 |
| • Use of ICT | - | 0 1/2 |

Subject Coordinator's: Name and Signature

CL : Smile Raipurkar SK

ASHTI: Sami & K. Asha

KORADI: _____

SKN: Ravindra Tadas Kai

TMN: Asmita Deshpande

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BHAVAN'S B.P. VIDYA MANDIR, NAGPUR
CURRICULUM PLAN
2023-24
SUBJECT: - PHYSICS
STD: - XII

TEST TIME TABLE

CH. NO.	NAME OF CHAPTER	Periodic Test 1	Periodic Test 2	Periodic Test 3	HALF-YEARLY	PRELIM
1	ELECTRIC CHARGES AND FIELDS	12			9	4
2	ELECTRIC POTENTIAL AND CAPACITANCE	13			10	4
3	CURRENT ELECTRICITY		13		15	8
4	MOVING CHARGES AND MAGNETISM		12		9	4
5	MAGNETISM AND MATTER				7	4
6	ELECTROMAGNETIC INDUCTION				10	4
7	ALTERNATING CURRENT				10	5
8	E.M. WAVES			5		4
9	RAY OPTICS			10		7
10	WAVE OPTICS			10		7
11	DUAL NATURE OF MATTER					4
12	ATOMS					3
13	NUCLEI					5
14	SEMICONDUCTOR ELECTRONICS					7
	TOTAL	25	25	25	70	70

