तेजस्विना वधीतमस्तु

SIR PADAMPAT SINGHANIA EDUCATION CENTRE

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson Plan
Session 2025- 2026
Class: 11th

Subject   :PHYSICS
Book   : NCERT

Subject Coordinator   **Head of Department**
Name: Mr. ASHISH SHUKLA   Name :Mr. NEERAJ CHAUBE

Sign: Sign:

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview
Session: 2025 - 2026

Subject : PHYSICS   **Class** : 11th   **No. of periods** : 192

Month	Assessed in	Lesson/s to be covered (if partly covered, till where?)	Period Count
April	1ST TEST HY , annual Exam	Chapter–1: Units and Measurements	12
May	1ST TEST HY , annual Exam	Chapter–2: Motion in a Straight Line	25
July	HY , Annual Exam	Chapter–3: Motion in a Plane Chapter–4: Laws of Motion	25
August	HY , Annual Exam	Chapter–5: Work, Energy and Power Chapter–6: System of Particles and Rotational Motion	25
September	PT2, Annual Exam	Chapter–7: Gravitation Chapter–8: Mechanical Properties of Solids	23
October	PT2, Annual Exam	Chapter–9: Mechanical Properties of Fluids Chapter–10: Thermal Properties of Matter	20
November	Annual Exam	Chapter–11: Thermodynamics Chapter–12: Kinetic Theory	20
December	Annual Exam	Chapter–13: Oscillations	25
January	Annual Exam	Chapter–14: Waves	17
February		Revision	

Subject coordinator: ASL   HOD: NCE

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Monthly lesson plan overview
Session: 2025 - 2026

From Date : 16/04/25   **To Date** : 31/01/26
Subject : PHYSICS   **Class** : 11th
Book : NCERT   **No. of periods** :

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	**To**				
16/4/25	19/4/25	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units.	**4**		
21/4/25	26/4/25	significant figures, Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications.	6		
28/4/25	03/5/25	Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion,	6		
05/5/25	10/5/25	uniform and non- uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment).	6		
12/5/25	17/5/25	Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors,	6		
19/5/25	24/5/25	multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components,	6		
26/5/25	31/5/25	Scalar and Vector product of vectors.	6		
1/7/25	5/7/25	Motion in a plane, cases of uniform velocity and uniform acceleration-projectile motion,	6		
7/7/25	12/7/25	uniform circular motion.	5		
14/7/25	19/7/25	Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion.	6		
21/7/25	26/7/25	Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic	2		

		friction, laws of friction, rolling friction, lubrication.			
28/7/25	02/8/25	Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	6		

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Monthly lesson plan overview
Session: 2025- 2025

From Date : 16/04/25 **To Date :31 /01/25**
Subject : PHYSICS **Class : 11th**
Book : NCERT **No. of periods :**

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
04/8/25	8/8/25	Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power.	5		
11/8/25	14/8/25	Notion of potential energy, potential energy of a spring.	4		
18/8/25	23/8/25	conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.	6		
25/8/25	30/8/25	Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod.	6		
01/9/25	6/9/25	Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.	6		
8/9/25	13/09/25	**Half yearly Examinations**	6		
15/09/25	20/09/25	**Half Yearly Examinations**			

From	To		Period Count		
			6		
22/9/25	27/9/25	Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).	5		
03/10/25	11/10/25	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.	9		
14/10/25	19/10/25	Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite, energy of an orbiting satellite.	6		
13/10/25	18/10/25	Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only),	6		
24/10/25	31/10/25	Poisson's ratio; elastic energy. Application of elastic behavior of materials (qualitative idea only).	8		
01/11/25	08/11/25	Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift).	8		
10/11/25	15/11/25	Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.	6		
17/11/25	22/11/25	Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity.	6		

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Monthly lesson plan overview
Session: 2025 - 2026

From Date : 01/04/25   **To Date   :31 /01/25**
Subject   : PHYSICS   **Class   : 11th**
Book   : NCERT   **No. of periods   :**

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	**To**				
24/11/25	29/11/25	Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.	6		

01/12/25	06/12/25	Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics,	6		
08/12/25	13/12/25	Second law of thermodynamics: Thermodynamic state variable and equation of state. Change of condition of gaseous state - isothermal, adiabatic, reversible, irreversible, and cyclic processes.	6		
15/12/25	20/12/25	Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.	6		
26/12/25	31/12/25	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications.	6		
06/01/25	10/01/25	Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; oscillations of a loaded spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.	5		
12/01/25	17/01/25	Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave	6		
19/01/25	24/01/25	principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.	6		
27/01/25	31/01/25	Revision	5		

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Weekly planning overview
Session: 2025   - 20 26

Subject   : PHYSICS   **Class** : 12th   **No. of periods**   : 10

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3: 16/4/25 to 19/04/25		**Period Count: 04**	
PD1	Need for measurement: Units of measurement; systems of units; SI units	Solved Examples	
PD2	fundamental and derived units		
PD3	significant figures, Determining the uncertainty in result.	Exercise 1	
PD4	Dimensions of physical quantities,	Solved Examples	
PD5		-----	
PD6			
PD 7			
WEEK _4: 21/04/25 to 26/04/25		**Period Count: 06**	
PD1	dimensional analysis and its applications.		
PD2	dimensional analysis and its applications.		
PD3	dimensional analysis and its applications.	Solved Examples	
PD4	Frame of reference, Motion in a straight line,		
PD5	uniform and non- uniform motion, average speed and average velocity and instantaneous velocity	Solved Examples	
PD6	uniformly accelerated motion	Solved Examples	
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : PHYSICS   **Class :** 11th   **No. of periods**   **: 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 28/04/25 to 03/05/25		**Period Count: 06**	
PD1	uniformly accelerated motion	Solved Examples	
PD2	uniformly accelerated motion	Solved Examples	
PD3	velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment).	----	
PD4	Numerical and conceptual questions	Solved Examples	
PD5	Numerical and conceptual questions	Solved Examples	
PD6	Numerical and conceptual questions		
PD 7			
WEEK _6: 05/05/25 to 10/05/25		**Period Count:06**	
PD1	Scalar and vector quantities; position and displacement vectors	----	
PD2	general vectors and their notations; equality of vectors, multiplication of vectors by a real number	Solved Examples	
PD3	addition and subtraction of vectors	-------	
PD4	addition and subtraction of vectors	Solved Examples	
PD5	Numerical + Conceptual + Project work Allotment	Solved Examples	
PD6	Numerical + Conceptual + Project work Allotment	------	
PD 7	SECOND SATURDAY	----	

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Weekly planning overview
Session: 2025   - 2026

Subject   **:** PHYSICS   **Class :** 11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7: 12/05/25 to 17/05/25		**Period Count: 06**	
PD1	Unit vector; resolution of a vector in a plane, rectangular components,	Solved Examples	
PD2	Numerical	-------	
PD3	Scalar and Vector product of vectors.	-------	
PD4	Scalar and Vector product of vectors.	-------	
PD5	Numerical		
PD6	Completion of work		
PD 7	ASSIGNMENT		
WEEK _8: 19/5/25 to 24/5/25		**Period Count: 06**	
PD1	Motion in a plane,		
PD2	cases of uniform velocity and uniform acceleration-projectile motion	Q.3, 4 and 6	
PD3	Numerical	Q. 11-17	
PD4	BUDDHA PURNIMA		
PD5	uniform circular motion.	Solved examples	
PD6	Numerical	Solved examples	
PD 7	Numerical		

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Weekly planning overview
Session: 2025   - 2026

Subject   **:** PHYSICS   **Class :** 11th   **No. of periods**   **: 06**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7: 26/05/25 to 31/05/25		**Period Count: 06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	SUMMER VACATION		
PD6	SUMMER VACATION		
PD 7	SUMMER VACATION		

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods** : 09

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 27/06/25 to 30/06/25		**Period Count: 04**	
PD1	Intuitive concept of force, Inertia, Newton's first law of motion	Solved examples	
PD2	momentum and Newton's second law of motion	Solved examples	
PD3	Numerical		
PD4	Workbook Practice		
PD5			
PD6			
PD 7			
WEEK _6: 01/07/25 to 05/07/25		**Period Count:05**	
PD1	impulse; Newton's third law of motion.		
PD2	Law of conservation of linear momentum and its applications.		
PD3	Numerical	Solved examples	
PD4	Workbook Practice	Solved examples	
PD5	Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.		
PD6			
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 07/07/25 to 12/07/25		**Period Count: 06**	
PD1	Dynamics of uniform circular motion: Centripetal force		
PD2	examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	Solved examples	
PD3	examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	Solved examples	
PD4	Numerical		
PD5	Workbook Practice	Solved examples	
PD6	Numerical	Solved examples	
PD 7			
WEEK _6: 14/07/25 to 19/07/25		**Period Count:06**	
PD1	Work done by a constant force and a variable force		
PD2	kinetic energy, work- energy theorem,	Solved examples	
PD3	power	Solved examples	
PD4	Notion of potential energy, potential energy of a spring		
PD5	Numericals		
PD6	Workbook Practice		
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : PHYSICS   **Class :** 11th   **No. of periods**   : 11

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 21/07/25 to 26/07/25		**Period Count: 06**	
PD1	conservative forces: non-conservative forces, motion in a vertical circle;	Solved examples	
PD2	Numerical and conceptual question	Solved examples	
PD3	elastic and inelastic collisions in one and two dimensions.		
PD4	elastic and inelastic collisions in one and two dimensions.		
PD5	Numerical and conceptual question	Solved examples	
PD6	Numerical and conceptual question	Solved examples	
PD 7			
WEEK _6: 28/07/25 to 02/08/25		**Period Count:05**	
PD1	Centre of mass of a two-particle system, momentum conservation and Centre of mass motion	Solved examples	
PD2	Numerical and conceptual question	Solved examples	
PD3	Moment of a force, torque		
PD4	Numerical and conceptual question		
PD5	Numerical and conceptual question	Solved examples	
PD6			
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class** : 11th   **No. of periods** : 09

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 04/08/25 to 08/08/25		**Period Count: 05**	
PD1	angular momentum,	Solved examples	
PD2	law of conservation of angular momentum and its applications.	Solved examples	
PD3	Numerical and conceptual question		
PD4	Numerical and conceptual question		
PD5	Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion	Solved examples	
PD6			
PD 7			
WEEK _6: 11/08/25 to 14/08/25		**Period Count:04**	
PD1	comparison of linear and rotational motions.	Solved examples	
PD2	Moment of inertia,	Solved examples	
PD3	radius of gyration,		
PD4	Numerical and conceptual question		
PD5	Numerical and conceptual question	Solved examples	
PD6			
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : PHYSICS   **Class :** 11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 18/08/25 to 23/08/25		**Period Count: 06**	
PD1	values of moments of inertia for simple geometrical objects (no derivation).	Solved examples	
PD2	Numerical and conceptual question	Solved examples	
PD3	Numerical and conceptual question		
PD4	Numerical and conceptual question		
PD5	Kepler's laws of planetary motion	Solved examples	
PD6	Kepler's laws of planetary motion	Solved examples	
PD 7			
WEEK _6: 25/08/25 to 30/08/25		**Period Count:06**	
PD1	universal law of gravitation	Solved examples	
PD2	Numerical and conceptual question	Solved examples	
PD3	Acceleration due to gravity and its variation with altitude and depth.		
PD4	Numerical and conceptual question		
PD5	, Gravitational potential energy and gravitational potentia	Solved examples	
PD6	Numerical and conceptual question	Solved examples	
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject   : PHYSICS   **Class :** 11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 01/09/25 to 06/09/25		**Period Count: 06**	
PD1	escape speed, orbital velocity of a satellite, energy of an orbiting satellite.	Solved examples	
PD2	Numerical and conceptual question	Solved examples	
PD3	R/A Questions		
PD4	Case based questions		
PD5	Numerical and conceptual question	Solved examples	
PD6	Numerical and conceptual question	Solved examples	
PD 7			
WEEK _6: 08/09/25 to 13/09/25		**Period Count:06**	
PD1	Elasticity, Stress-strain relationship, Hooke's law		
PD2	Young's modulus		
PD3	bulk modulus, shear modulus of rigidity (qualitative idea only	Solved examples	
PD4	, Poisson's ratio;	Solved examples	
PD5	Numerical and conceptual question		
PD6	R/A Questions		
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : PHYSICS   **Class** : 11th   **No. of periods**   : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 15/09/25 to 20/09/25		**Period Count: 06**	
PD1	HY Examination		
PD2	HY Examination		
PD3	HY Examination		
PD4	HY Examination		
PD5	HY Examination		
PD6	HY Examination		
PD 7			
WEEK _6: 22/09/25 to 27/09/25		**Period Count:06**	
PD1	HY Examination		
PD2	HY Examination		
PD3	HY Examination		
PD4	HY Examination		
PD5	HY Examination		
PD6	HY Examination		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods** : 09

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 29/09/25 to 04/10/25		**Period Count: 03**	
PD1	Dussehra Holidays		
PD2	Dussehra Holidays		
PD3	Dussehra Holidays		
PD4	elastic energy		
PD5	Numerical and conceptual question	Solved examples	
PD6	R/A Questions	Solved examples	
PD 7			
WEEK _6: 06/10/25 to 11/10/25		**Period Count:06**	
PD1	Pressure due to a fluid column	Solved examples	
PD2	Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure.	Solved examples	
PD3	Viscosity, Stokes' law		
PD4	terminal velocity		
PD5	Numerical and conceptual question		
PD6	R/A Questions		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class** : 11th   **No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 13/10/25 to 18/10/25		**Period Count: 06**	
PD1	streamline and turbulent flow, critical velocity	Solved examples	
PD2	Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift).	Solved examples	
PD3	Surface energy and surface tension,		
PD4	angle of contact, excess of pressure across a curved surface	Solved examples	
PD5	Numerical and conceptual question	Solved examples	
PD6	R/A Questions		
PD 7			
WEEK _6: 20/10/25 to 25/10/25		**Period Count:06**	
PD1	Diwali Holidays		
PD2	Diwali Holidays		
PD3	Diwali Holidays		
PD4	Diwali Holidays		
PD5	Energy bands in conductors,	Solved examples	
PD6	semiconductors and insulators (qualitative ideas only	Solved examples	
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods** : **12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 27/10/25 to 31/10/25		**Period Count: 05**	
PD1	application of surface tension	Solved examples	
PD2	ideas to drops, bubbles	Solved examples	
PD3	capillary rise.	Solved examples	
PD4	Numerical and conceptual question	Solved examples	
PD5	R/A Questions		
PD6			
PD 7			
WEEK _6: 01/11/25 to 07/11/25		**Period Count:06**	
PD1	Heat, temperature, thermal expansion;		
PD2	thermal expansion of solids, liquids and gases, anomalous expansion of water		
PD3	specific heat capacity; Cp, Cv - calorimetry		
PD4	change of state - latent heat capacity		
PD5	Heat transfer-conduction,		
PD6	convection and radiation, thermal conductivity,		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class** : 11th   **No. of periods**   : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 09/11/25 to 15/11/25		**Period Count: 06**	
PD1	qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.		
PD2	Numerical and conceptual question		
PD3	R/A Questions		
PD4	Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy		
PD5	First law of thermodynamics,		
PD6	Second law of thermodynamics: Thermodynamic state variable and equation of state		
PD 7			
WEEK _6: 17/11/25 to 22/05/25		**Period Count:06**	
PD1	Numerical and conceptual question		
PD2	R/A Questions		
PD3	Change of condition of gaseous state - isothermal, adiabatic,		
PD4	reversible, irreversible, and cyclic processes.		
PD5	Numerical and conceptual question		
PD6	R/A Questions		
PD 7			

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Subject   : PHYSICS   **Class** : 11th   **No. of periods**   : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 24/11/25 to 29/11/25		**Period Count: 06**	
PD1	Equation of state of a perfect gas, work done in compressing a gas.		
PD2	Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom,		
PD3	law of equi-partition of energy (statement only).		
PD4	application to specific heat capacities of gases; concept of mean free path, Avogadro's number		
PD5	Numerical and conceptual question		
PD6	R/A Questions		
PD 7			
WEEK _6: 01/12/25 to 06/12/25		**Period Count:06**	
PD1	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications.		
PD2	Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion;		
PD3	phase; oscillations of a loaded spring-		
PD4	restoring force and force constant;		
PD5	energy in S.H.M. Kinetic and potential energies;		
PD6	Revision		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS　　　　**Class :** 11th　　　　**No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 08/12/25 to 13/12/25		Period Count: 06	
PD1	simple pendulum derivation of expression for its time period		
PD2	Numerical and conceptual question		
PD3	R/A Questions		
PD4	Numerical and conceptual question		
PD5	Numerical and conceptual question		
PD6	Wave motion: Transverse and longitudinal waves,		
PD 7			
WEEK _6: 15/12/25 to 20/12/25		Period Count:06	
PD1	speed of travelling wave,		
PD2	displacement relation for a progressive wave, principle of superposition of waves		
PD3	, reflection of waves		
PD4	standing waves in strings		
PD5	, Beats.		
PD6	Numerical and conceptual question		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods**   **: 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 22/12/25 to 27/12/25		**Period Count: 06**	
PD1	organ pipes, fundamental mode and harmonics,		
PD2	Numerical and conceptual question		
PD3	Numerical and conceptual question		
PD4	Numerical and conceptual question		
PD5	Numerical and conceptual question		
PD6	Numerical and conceptual question		
PD 7			
WEEK _6: 29/12/25 to 03/01/26		**Period Count:06**	
PD1	Revision		
PD2	Revision		
PD3	Winter vacation		
PD4	Winter vacation		
PD5	Winter vacation		
PD6	Winter vacation		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class :** 11th   **No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 05/01/26 to 10/01/26		**Period Count: 06**	
PD1	Winter vacation		
PD2	Winter vacation		
PD3	Winter vacation		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			
WEEK _6: 12/01/26 to 17/01/26		**Period Count:06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			

Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 20 25 - 20 26

Subject : PHYSICS   **Class** : 11th   **No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 19/01/26 to 24/01/26		**Period Count: 06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			
WEEK _6: 26/01/26 to 31/01/26		**Period Count:06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 20 25 - 20 26

Subject   : PHYSICS   **Class** : 11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 02/02/26 to 07/02/26		**Period Count: 06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			
WEEK _6: 08/02/26 to 14/02/26		**Period Count:06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			