

Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur

Lesson Plan

Session 2021- 2022 *Class: XI*

Subject: PhysicsBook: NCERT, SL Arora

Subject Coordinator

Name: Neeraj Chaube

Subject Teachers

Name: Mr Neeraj Chaube Mr Ashish Shukla Mr Sanjeev Kumar

Sign:

Sign:

Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur

<u>Yearly Syllabus/Planning overview</u> Session: 2021 - 2022

Subject: Physics

Class: XI

No. of periods:

Month	Assessed in	Lesson/s to be covered	Period - Count
April	2021	Chapter–1: Physical World	5
May	2021	Chapter-2: Units and Measurements	7
July	2021	Chapter–3: Motion in a Straight Line 24 Chapter–4: Motion in a Plane	12 12
August	2021	Chapter–5: Laws of Motion Chapter–6: Work, Energy and Power	14 12
September	2021	Chapter–7: System of Particles and Rotational Motion	18
October	2021	Chapter–8: Gravitation Chapter–9: Mechanical Properties of Solids	12 08
November	2021	Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter	10 08
December	2021	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory	12 08
January	2022	Chapter–14: Oscillations Chapter–15: Waves	12 14
February	2022	Revision	



Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur <u>Monthly Syllabus/Planning overview</u> Session: 2021 - 2022

Subject: Physics

Class: XI

No. of periods:

March	Da	ate/Week	
Month	From	То	Lesson/s to be covered in classroom
	19.4.21	24.4.21	Physics-scope and excitement; nature of physical laws;
April	26.4.21	30.4.21	Physics, technology and society. Mathematical tools.
May	1.5.21	7.5.21	Units of measurement; systems of units; SI units, fundamental and derived units. Errors in measurement; significant figures. Dimensions of physical quantities, dimensional analysis and its applications.
	10.5.21	30.6.21	Summer Vacation
	01.7.21	03.7.21	Motion in a straight line: Position-time graph, speed and velocity. Elementary concepts of differentiation and integration
	05.7.21	10.7.21	Uniform and non- uniform motion, average speed and instantaneous velocity, uniformly accelerated motion, velocity - time
July	12.7.21	17.7.21	Scalar and vector quantities; general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, relative velocity, Unit vector
	19.7.21	24.7.21	Resolution of a vector in a plane, rectangular components. Scalar and Vector product of vectors.
	26.7.21	31.7.21	Motion in a plane; projectile motion, uniform circular motion.

	02.8.21	7.8.21	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.
	9.8.21	14.8.21	Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.
August	16.8.21	21.8.21	Dynamics of uniform circular motion: Centripetal force, examples of circular motion.
	23.8.21	28.8.21	Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power. Notion of potential energy, potential energy of a spring,
	30.8.21	31.8.21	Conservative forces: conservation of mechanical energy ; nonconservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.
	01.9.21	08.9.21	Test-1
	08.9.21	10.9.21	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.
September	13.9.21	18.9.21	Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications.
	20.9.21	27.9.21	Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.
	28.9.21	02.10.21	Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.
	04.10.21	9.10.21	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.
	11.10.21	16.10.21	Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, Geo-stationary satellites.
October	18.10.21	23.10.21	Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus.
	25.10.21	12.11.21	Bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy.
	15.11.21	20.11.21	Pascal's law and its applications . Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity,
November	22.11.21	27.11.21	Bernoulli's theorem and its applications. Surface energy and surface tension. Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases,

1	I	
29.11.21	30.11.21	Cp, Cv - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity.

	Date	/Week	Lesson/s to be covered in
Month	From	То	classroom
	01.12.21	04.12.21	Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics,
	06.12.21	10.12.21	isothermal and adiabatic processes. Second law of thermodynamics, Heat engine and refrigerator. Equation of state of a perfect gas, Kinetic theory of gases - assumptions, concept of pressure.
	13.12.21	20.12.21	Test-2
December	21.12.21	25.12.21	Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom. law of equi-partition of energy.
	27.12.21	31.12.21	Periodic motion - time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M) and its equation; phase;
	31.12.21	08.01.22	oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum. Free, forced and damped oscillations (qualitative ideas only), resonance.
	10.01.22	15.01.22	Wave motion: displacement relation for a progressive wave, principle of superposition of waves, reflection of waves.
January	17.1.22	22.1.22	standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.
ounuur y	24.1.22	29.1.22	Revision
	31.1.22	05.2.22	Revision
	07.02.22	12.02.22	Revision
Fahmarr	14.02.22	19.02.22	Revision
February	24.2.22	09.3.22	Annual Examination

	Sir Padampat Singhania E Kamla Nagar, Kanp	Education (Centre
Subject	Weekly planning over Session: 2021- 202 Physics Class : XI		
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEE	CK 1: 19 th April to 24 st April		Period Count: 5
PD1	Physics-scope and excitement		
PD2	Nature of physical laws	Numericals	
PD3	Technology and society.	Numericals	
PD4	Mathematical Tools	Numericals	
PD5	Mathematical Tools	Numericals	
WEEK 2:	: 26 th April to 01 st May	Pe	eriod Count: 6
PD1	Need for measurement: Units of measurement; systems of units; SI units	Numericals	
PD2	Fundamental and derived units. Length, mass and time measurements;	Numericals	
PD3	accuracy and precision of measuring instruments; errors in measurement;	Revision at Home	
PD4	significant figures.	Numericals	
PD5	Dimensions of physical quantities	NCERT back Questions	
PD6	Continued	Numericals	
Subject o	coordinator Supervisor	Prir	ncipal/V. Principal

Subject	Weekly planning over Session: 2021- 2022 : Physics Class : XI		
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3	: 3 rd May to 8 th May	Period Co	ount:5
PD1	Dimensional analysis	Numericals	
PD2	Applications of dimensional analysis; to check the correctness of the given formula	NCERT Questions	
PD3	To derive the relation amongst various physical quantities.	NCERT Questions	
PD4	To change the unit from one system to another	NCERT Questions	
PD5	Numericals	NCERT Questions	
WEEK 4	: 1 st July to 3 rd July	Perio	od Count: 3
PD1	Frame of reference, Motion in a straight line	NCERT Questions	
PD2	Position-time graph, speed and velocity.	NCERT Questions	
PD3	Elementary concepts of differentiation and integration for describing motion.	Revise at Home	

Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur Weekly planning overview Session: 2021- 2022 Subject : Physics Class: XI Status (Yes/No) Period Topic/s to be covered in classroom Homework (Reason if No) WEEK 5: 5th July to 10th july **Period Count: 5** PD1 Uniform and non- uniform motion. **NCERT** Questions Average speed and instantaneous velocity, uniformly PD2 **NCERT** Questions accelerated motion. PD3 velocity - time and position-time graphs. NCERT Questions Relations for uniformly accelerated motion (graphical PD4 Revise at Home treatment). PD5 Numericals WEEK 6: 12th July to 17th July **Period Count: 6** Scalar and vector quantities; position and displacement Conceptual PD1 vectors, general vectors and their notations. questions Equality of vectors, multiplication of vectors by a real PD2 **NCERT** Questions number; addition and subtraction of vectors. PD3 Relative velocity, Unit vector. NCERT Questions PD4 Numericals Resolution of a vector in a plane, rectangular PD5 components. PD6 Numericals

Holiday 10th July- Second Saturday

Subject coordinator

Supervisor



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject :Chemistry

Class: XIth

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 7	: 19 th July to 24 th July	Perio	d Count: 5
PD1	Scalar and Vector product of vectors.		
PD2	Numericals		
PD3	Motion in a plane, cases of uniform velocity and uniform acceleration		
PD4	projectile motion introduction.		
PD5	Derivation of time of flight, maximum height, range and equation of trajectory.		
WEEK 8	: 26 th july to 31 st July	Perio	od Count: 6
PD1	Numericals		
PD2	Numericals		
PD3	uniform circular motion Introduction.		
PD4	Derivation of centripetal acceleration and force.		
PD5	Numericals	NCERT questions	

Subject coordinator

Supervisor

Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 9	: 2 nd August to 7 th August	Period Co	ount: 6
PD1	Intuitive concept of force, Inertia, Newton's first law of motion.		
PD2	Momentum and Newton's second law of motion; impulse;	NCERT ques.	
PD3	Numericals		
PD4	Newton's third law of motion.		
PD5	Numericals		
PD6	Law of conservation of linear momentum and its applications.	NCERT questions	
WEEK 1	0: 9 th August to 13 th August	Period C	ount: 5
PD1	Equilibrium of concurrent forces.	Examples	
PD2	Numericlas	Learn at Home	
PD3	Static and kinetic friction, laws of friction, rolling friction, lubrication.	Learn at Home	
PD4	Numericals		
PD5	Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	NCERT questions	
HOLIDAY	Y: 14 th August SECOND SATURDAY		
Subject co	ordinator Supervisor	Prin	cipal/V. Principal

Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Class : XIth

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1	1: 16 th August to 21 st August	Period Count:	5
PD1	Numericals based on Dynamics of uniform circular motion	Learn at Home	
PD2	Work done by a constant force and a variable force.	Learn at Home	
PD3	Kinetic energy, work-energy theorem, Numericals		
PD4	Power. Notion of potential energy, potential energy of a spring.	Numericals	
PD5	Numericals based on kinetic and potential energy	NCERT back questions	
WEEK 1:	2: 23 rd August to 28 th August	Period C	ount: 6
PD1	conservative forces and nonconservative forces.		
PD2	conservation of mechanical energy (kinetic and potential energies)	Learn at Home	
PD3	Motion in a vertical circle	Learn at Home	
PD4	Numericals based on Motion in a vertical circle	NCERT back questions	
PD5	Elastic and inelastic collisions in one and two dimensions.		
PD6	Numericals based on collision.		

Supervisor



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Class : XI

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1	3: 30 th August to 4 th Sept	Perio	od Count: 6
PD1	Centre of mass of a two-particle system, momentum conservation and centre of mass motion	Learn at Home	
PD2	Numericals	Learn at Home	
PD3	Test 1		
PD4	Test 1	Numericals	
PD5	Test 1	NCERT back questions	
PD6	Test 1		
	1	1	l
WEEK 1	4: 6 th Sept to 11th Sept	Period Co	ount: 5
PD1	Test 1		
PD2	Test 1	Learn at Home	
PD3	Test 1	NCERT back questions	
PD4	Moment of a force, torque.	NCERT back questions	
	Angular momentum, law of conservation of angular		

 1^{st} Sept to 8^{st} Sep – Test 1

11th Sept : Second saturday



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)	
WEEK 1	5: 13 th Sept to 18 th Sept	Period Count: 6		
PD1	Equilibrium of rigid bodies.	Learn at Home		
PD2	Numericals based on Equilibrium of rigid bodies	Learn at Home		
PD3	Rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.			
PD4	Numericals	Numericals		
PD5	Moment of inertia	NCERT back questions		
PD6	Numericals			
PD6	Numericals			
		Period Coun	t: 6	
	Numericals 6: 20th sep to 25th Sep Radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).	Period Coun	t: 6	
WEEK 1	6: 20th sep to 25th Sep Radius of gyration, values of moments of inertia for	Period Coun	t: 6	
WEEK 1 PD1	6: 20 th sep to 25 th Sep Radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).		t: 6	
WEEK 1 PD1 PD2	6: 20 th sep to 25 th Sep Radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems		t: 6	
WEEK 1 PD1 PD2 PD3	6: 20 th sep to 25 th Sep Radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems Derivation of parallel and perpendicular axes theorems	Learn at Home NCERT back	t: 6	



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 17: 27 th sep to 2 nd Oct		Period Count: 5	
PD1	Kepler's laws of planetary motion	Learn at Home	
PD2	Universal law of gravitation.	Learn at Home	
PD3	Acceleration due to gravity and its variation with altitude and depth.		
PD4	Numericals	Numericals	
PD5	Gravitational potential energy and gravitational potential.	NCERT back questions	
2^{nd} oct :	Gandhi Jayanti		
	8: 4 th Oct to 9 th Oct	Period	Count: 5
		Period	Count: 5
WEEK 1	8: 4 th Oct to 9 th Oct Numericals based on Gravitational potential energy and	Period Learn at Home	Count: 5
WEEK 1 PD1	8: 4 th Oct to 9 th Oct Numericals based on Gravitational potential energy and gravitational potential.		Count: 5
WEEK 1 PD1 PD2	8: 4 th Oct to 9 th Oct Numericals based on Gravitational potential energy and gravitational potential. Escape velocity, orbital velocity of a satellite.		Count: 5

Sir Padampat Singhania Education Centr Kamla Nagar, Kanpur Weekly planning overview Session: 2021- 2022 Subject : Physics Class : XI				
VEEK 1	9: 11 th Oct to 16 th Oct	Period Count: 4	l	
PD1	Elastic behavior of materials	Learn at Home		
PD2	Stress-strain relationship	Learn at Home		
PD3	Hooke's law, Young's modulus.	NCERT back questions		
PD4				
PD5				
Dusseh	ra holidays: 14 th Oct to 15 th Oct			
Veek-2	0; 18 th oct to 23 rd oct	Period Count	: 6	
PD1				
PD2	Bulk modulus, shear modulus of rigidity.	Learn at Home		
PD3	Numericals	Revision		
PD4	Poisson's ratio; elastic energy.	Revise		
PD5				
PD6	Revision			
	vearly examination: 25 th Oct to 12 th Nov			



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 2	1: 15 th Nov to 20 th Nov	Period Count: 6	
PD1	Pascal's law and its applications	Learn at Home	
PD2	Viscosity Introduction	Learn at Home	
PD3	Stokes' law, terminal velocity		
PD4	Numericals	Numericals	
PD5	Streamline and turbulent flow, critical velocity	NCERT back questions	
PD6	Equation of continuity.		
WEEK 2	2: 22 nd Nov to 27 th Nov Bernoulli's theorem and its applications.	Period Count	: 6
PD1	Numericals		
PD2		Learn at Home	
PD3	Surface energy and surface tension, angle of contact, excess of pressure across a curved surface		
PD4	Application of surface tension ideas to drops, bubbles and capillary rise.		
PD5	Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water.		
PD6	specific heat capacity; Cp, Cv - calorimetry.	NCERT back questions	
4 th to	6 th November Diwali Holiday		



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 23: 29 th Nov to 4 th Dec		Period Count: 6	
PD1	change of state - latent heat capacity.	Learn at Home	
PD2	Heat transfer-conduction, convection and radiation, thermal conductivity.	Learn at Home	
PD3	qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.		
PD4	Greenhouse effect	Numericals	
PD5	Numericals	NCERT back questions	
PD6	Numericals	NCERT back questions	
WEEK 24	4: 6 th dec to 11 th Dec	Period Coun	t: 5
PD1	Thermal equilibrium and definition of temperature (zeroth law of thermodynamics).		
PD2	Heat, work and internal energy. First law of thermodynamics.	Learn at Home	
PD3	Work done in thermodynamic process and its numericlas (P-V Graph)	Learn at Home	
PD4	Isothermal and adiabatic processes.		
PD5	Work done isothermal and adiabatic process.	NCERT questions	



Kamla Nagar, Kanpur

Weekly planning overview

Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 25: 13 th Dec to 18 th Dec		Period Count: 6	
PD1	Test 2	Learn at Home	
PD2	Test 2	Learn at Home	
PD3	Test 2		
PD4	Test 2	Learn reactions	
PD5	Test 2	NCERT back questions	
PD6	Test 2		
	6: 20 th Dec to 25 th Dec	Perio	od Count:5
PD1	Second law of thermodynamics: reversible and irreversible processes.		
PD2	Heat engine, its working, derivation of its efficiency.	Learn at Home	
PD3	Refrigerator its working, derivation of its efficiency.		
PD4	Equation of state of a perfect gas, Kinetic theory of gases - assumptions, concept of pressure.		
PD5	Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only)	NCERT back questions	
	c: Christmas Holiday		

	1
1	
A.	
٢.	4
	thursday inches

Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 2	27: 27 th Dec to 30 th Dec	Period Count: 4	l
PD1	Periodic motion - time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M)	Learn at Home	
PD2	Equations of SHM; phase.	Learn at Home	
PD3	Oscillations of a loaded spring- restoring force and force constant.		
PD4	Numericals	NCERT back questions	
31 st Dec	c to 8 th Jan : Winter break		
31 st Dec	c to 8 th Jan : Winter break		
	28: 10 th Jan to 15 th jan	Period Cou	unt: 5
		Period Cou	mt: 5
WEEK 2	28: 10 th Jan to 15 th jan	Period Cou Learn at Home	mt: 5
WEEK 2 PD1	28: 10 th Jan to 15 th jan Energy in S.H.M. Kinetic and potential energies Simple pendulum derivation of expression for its time		int: 5
WEEK 2 PD1 PD2	28: 10 th Jan to 15 th jan Energy in S.H.M. Kinetic and potential energies Simple pendulum derivation of expression for its time period. Free, forced and damped oscillations (qualitative ideas		mt: 5



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 29: 17 th Jan to 22 nd Jan		Period Count: 6	
PD1	Displacement relation for a progressive wave,	Learn at Home	
PD2	Principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes	Learn at Home	
PD3	Fundamental mode and harmonics		
PD4	Beats	Questions from NCERT	
PD5	Doppler effect	Questions from NCERT	
PD6	Numericals	Questions from NCERT	
PD6 WEEK 3	0: 24 th Jan to 29 th Jan		t: 6
PD6		NCERT	t: 6
PD6 WEEK 3 PD1	0: 24 th Jan to 29 th Jan Revision	NCERT Period Coun	t: 6
PD6 WEEK 3 PD1 PD2	0: 24 th Jan to 29 th Jan Revision Revision	NCERT Period Coun	t: 6
PD6 WEEK 3 PD1 PD2 PD3	0: 24 th Jan to 29 th Jan Revision Revision Revision	NCERT Period Coun	t: 6



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
st Jan to 5 th Feb	Period Count: 6	
Revision	Learn at Home	
Revision	Learn at Home	
Revision		
Revision	Numericals	
Revision	NCERT back questions	
^h feb to 12 th Feb	Period Coun	it: 5
Revision		
Revision	Learn at Home	
Revision	NCERT ques.	
Revision		
Revision		
	* Jan to 5 th Feb Revision Revision Revision Revision Prevision Revision Revision	Image: strain of sth Feb Period Cou Revision Learn at Home Revision Learn at Home Revision Numericals Revision NCERT back questions h feb to 12 th Feb Revision Learn at Home Revision NCERT back questions Revision Learn at Home Revision Revision



Kamla Nagar, Kanpur

Weekly planning overview Session: 2021- 2022

Subject : Physics

Class : XI

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3	1: 14 th Feb to 19 th Feb	Period Count: 6	
PD1	Revision	Learn at Home	
PD2	Revision	Learn at Home	
PD3	Revision		
PD4	Revision	Numericals	
PD5	Revision	NCERT back questions	
WEEK 32	2: 21 st feb to 23 rd Feb	Period Cou	int: 3
PD1	Revision		
PD2	Revision	Learn at Home	
PD3	Revision	NCERT ques.	

24th Feb 2022 to 9th March 2022(Annual Examination)