



QUEENS' COLLEGE, INDORE

Annual Curriculum Plan

COMPENDIUM

Weekly Planning

Class-XI

Session 2024-25

S.No.	Particulars	Page No.
1.	Principal's Message	3
2.	English Core	4
3.	Physics	10
4.	Economics	20
5.	Chemistry	29
6.	Biology	36
7.	Maths core	49
8.	Accountancy	55
9.	Business Studies	61
10.	Political Science	67
11.	History	73
12.	Geography	80
13.	Applied Mathematics	83
14.	Physical Education	89
15.	Legal Studies	94
16.	Artificial Intelligence	103
17.	Financial Market Management	112
18.	Psychology	121
19.	Entrepreneurship	125
20.	Computer Science	130
21.	Hindustani Music	145

Dear Students and parents
Greetings!

Curriculum is the foundation of teaching learning process.

Annual Curriculum plan refers to the planned or officially designed course of study translated by the teacher in to syllabi, schemes of work and lessons to be delivered to provide meaningful learning experiences to students. It is tailored to the unique academic needs of the school & the parent community. ACP establishes guidelines & procedures for the development, revision, enrichment & evaluation of the written curriculum in all subjects. It also provides an ongoing cycle of assessment/evaluation schedule of a particular session. This collaborative & coordinated work plan is coherent & consistent with the mission & vision of the school in order to achieve school educational goals. This plan is implemented effectively to manage organizational & systematic operation of the curriculum.

Best wishes!

Ms. Geetha Somasekharan
Principal

Subject:- ENGLISH

Book Followed:- NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	HORNBILL - The Portrait Of A Lady	Enable the students to: 1. Develop cooperation, care and concern, Tolerance, Respect, Acceptance and Responsibility 2. Know that distancing due to circumstances never affects relations 3. gain insight into the various phases of author's life with his grandmother 4. notice the usage of the word 'tell' in the text	Students will be able to 1. Present a pen picture of the grandparents describing the qualities they admire and appreciate the most 2. become independent in thought and action 3. understand the feelings of parents and grandparents
2	8 to 13 April 2024	Poster Making Re arrangement of Sentences	Enable the students to: ii) Develop knowledge and purpose to design a Poster. iii) Learn form, content and process of writing. iv) retain a data and information. v) Organize ideas on a particular subject. vi) Practice to enhance the skills. vii) Create social awareness	Students will be able to i) inculcate values like share ideas, freedom to express and acceptance of ideas. ii) make use of appropriate formats, expressions and vocabulary. iii) appreciate the skill of expressing and writing effectively iv) express their ideas by designing a poster.
3	15 to 20 April 2024	HORNBILL - A Photograph	Enable the students to 1. inculcate values like learn from experience, care and share, love, affection and togetherness. 2. analyse that death is the inevitable end of all. 3. Realise that both the moments of life have been permanently etched in the poet's mind with a feeling of eternal loss.	Students will be able to 1. Identify the poetic devices 2. express effectively, sharing ideas and develop appropriate style of writing. 3. infer the theme of loss, memory and transience of life

4	22 to 30 April 2024	SNAPSHOT- The Summer Of the Beautiful White Horse	Enable the students 1. Inculcate the values of respecting one's belief, honesty, confession, truth, faith, and sharing responsibility. 2. Infer the following themes of the story 'Summer of the Beautiful White Horse.'i. Pangs of conscience goads a person to follow the right path.ii. Pride of Garoghlanian tribeiii. Adventure and exploration3. Learn the elements of short story, i.e. plot, setting, characters, conflict, and resolution.	Students will be able to 1. Identify the irony in the story 'Summer Of The beautiful White Horse.' 2. Write the character sketch of Uncle Khosrove and Mourad with the help of the STEAL characterization technique.3. Analyze the importance of cultural values
5	15 to 22 June 2024	Hornbill - The Laburnum Top	Enable the students to 1. Infer the theme of mutual relationship between Goldfinch bird and Laburnum tree 2. seek pleasure from nature and its bounty 3. Analyze that the picturesque images, portrays Autumn	Students will be able to 1. Identify the poetic devices used in the poem 2. Explain why laburnum top is the symbols of peace and serenity 3. Elaborate the mutual dependency of Laburnum Top tree and Goldfinch bird 4. face hardships in life
6	24 to 29 June 2024	Hornbill- Discovering Tut	Enable the students to: 1. Infer the meaning and usage of phrases like resurrection, circumvented, computed Tomography, scudded across etc 2. know about Egyptian belief of mummification 3. Analyze how archaeology has changed in the intervening decades 4. Develop inquisitiveness towards historical events and people.	Students will be able to 1. Share their knowledge about King Tut's family line 2. Describe how archaeology has changed in the intervening decades 3. satisfy their curiosity about King Tut's mummy 4. respect other's beliefs, customs and rituals
7	1 June to 6 July 2024	HORNBILL- We are Not Afraid to Die	Enable the students to 1. imbibe perseverance and patience, trust, self reliance and self confidence, positivity, team work 2. Realise that presence of mind along with the practical knowledge is important to take instant decisions 3. comprehend the text and enjoy the adventurous expedition 4. Appreciate the courage displayed by the kids	Students will be able to 1. Identify the parts of ship and different terms/words related to voyage. 2. know that determination and self-confidence can conquer adverse circumstances 3. Write character sketch using STEAL characterisation technique.

8	8 to 11 July 2024	Snapshot - The Address	Enable the students to 1. realize the worth of loved ones in comparison to materialistic things.2. accept the situation and be optimistic in life.3. Compare and contrast pre war and post war situation. 4. Infer that war destroys life and peace restores everything.	Students will be able to 1. show sympathetic attitude to war victims or the sufferers2. infer that the objects linked in memory lose their importance, when cut off from them3. Realise that war destroys life and peace restores everything4.forget the past and move ahead in life.
9	12 to 22 July 2024	REVISION for PA 1 /(PA 1)		
10	23 to 27 July 2024	Grammar- Tenses	Enable the students to: 1. Identify the tense of the sentence 2. Analyse the rule of application of various kinds of tenses 3. Transform the tense of the sentence 4. Learn the syntax of various tenses	The students will be able to 1. Apply the correct verb form 2. Differentiate between various kind of tenses 3. Frame grammatically correct sentences 4. Apply the rules of application of various kinds of tenses
11	29 to 3 August 2024	HORNBILL - The Adventure	Enable the students to 1. understand the genre of science fiction 2. Infer the concept of time travel 3. Realise that the story hinges on a particular historical event 4. Enhance scientific vocabulary	The students will be able to 1. Elaborate the lack of determination in quantum theory as mentioned in the chapter 2. Describe the protagonist's experience at town hall library 3. Discuss: The methods of inquiry of history, science, and philosophy are similar
12	5 to 10 Aug 2024	SNAPSHOT- Mother's Day	Enable the students to: 1.identify and understand the central/main point and supporting details along with the phrases used in the lesson 2 promote advanced language skills with an aim to develop the skills of reasoning and drawing inferences 3recognize one of the most important educators in a child's life 4 understand that our mothers have equal rights to enjoy their lives	The Students will be able to 1. Dramatize the text 2. imbibe values like care and concern, empathy, compassion, respect for elders 3.strengthen the family bonding with sharing and solving problem 4. realise the worth of sacrifice and struggles of parents

13	12 to 17 August 2024	HORNBILL-SILK ROAD	Enable the students to:1. Gain insight of the physical and mental stress occurred while travelling.2. Identify the purpose of the author's journey to Mount Kailash.3. Accept challenging situations and come up with an appropriate solution for the same	The students will be able to 1. analyse that the author's experience at Hor was in stark contrast to earlier accounts of the place.2. realise that people could work as a team to be successful.3.Analyze the trip to be adventurous
14	19 to 24 August 2024	Writing - Speech	Enable the students to: 1 Articulate thoughts logically 2. use proverbs, phrasal words and idiomatic expressions while writing the skills. 3.Develop knowledge and purpose of delivering a speech	The Students will be able to 1.inculcate values like share ideas, freedom to express and acceptance of ideas. 2. make use of appropriate formats, expressions 3. Express their views confidently and effectively
15	26 to 31 August 2024	Hornbill - The Voice of Rain	Enable the students to: 1. acknowledge rain as the life giving force on the earth. 2. identify the figures of speech used in the poem 3. analyze the parallelism drawn between the rain and a song 4. inculcate values like care and concern to save the environment.	The Students will be able to : 1. develop imaginative and analytical skills. 2. discuss the importance of saving natural resources 3. identify the two voices in the poem
16	2 to 7 Sept 2024	Grammar - Determiners	Enable the students to: 1. Identify types of determiners 2. Infer the rules of using articles 3. Deduce the rules of omission of articles 4. Use determiners at appropriate places	The students will be able to 1. Frame sentences with appropriate determiners 2. Differentiate between possessive pronoun and possessive determiner 3. Differentiate between Demonstrative pronoun and determiner 4. Frame grammatically correct sentences
17	9 to 16 Sept 2024	Reading - Analytical Passage Case Base Passage	Enable the students to: 1. Analyze the central idea of the passage 2. Collect and organise data 3. Scaffold the key points of the passage	The Students will be able to 1. Infer the central idea of the passage 2. Differentiate between facts and opinions 3. Suggest a title 4. Enhance vocabulary
		REVISION		

18	18 to 30 Sept 2024	TERM -1		
19	1 to 10 Oct. 2024	Note making	Enable the students to : 1. Develop knowledge and purpose of writing notes 2. Retain a data and information. 3. Organize ideas on a particular subject. 4. Practice to enhance the skills and note making	The Students will be able to 1. Take notes from a given passage 2. Divide the notes into groups 3. Infer the numbering format of note making
20	11 and 12 Oct.2024	Dussehra Holidays		
21	24 to 19 Oct 2024	Note making (Continued)	Enable the students to: .1.Develop knowledge and purpose of writing notes 2. Retain a data and information. 3. Organize ideas on a particular subject. 4. Practice to enhance the skills and note making	The Students will be able to 1. Express effectively, sharing ideas and develop appropriate style of writing. 2. recollect, organize and analyse data to be used to write notes
22	21 to 28 Oct 2024	SNAPSHOT - Birth	Enable the students to 1.appreciate service of doctors towards mankind. 2. remain optimistic in the time of adversity 3. value commitment ,care and concern 4. stress more on practical knowledge instead of theoretical	The students will be able to 1. Comment on behaviour and role of the midwife who was attending Susan. 2. understand the duty and responsibility of a doctor 3. Describe the process of CPR 4. Write character sketch of doctor using STEAL characterisation technique
23	29 Oct. To 2 Nov.2024	Diwali Break		
24	4 to 9 Nov. 2024	WRITING SKILL - Classified Advertisement	Enable the students to 1. retain a data and information. 2.Organize ideas on a particular subject. 3 Practice to enhance the skill. 4. write with appropriate expressions and vocabulary.	The Students will be able to 1. recollect the format of advertisement 2. Differentiate between classified and commercial advertisement 3. Develop knowledge and purpose of writing advertisement
25	11 to 16 Nov. 2024	Hornbill - Childhood	Enable the students to: 1. accept differences, understand people 2. value childhood and freedom 3. develop individuality 4. treasure innocence of childhood	The student will be able to 1.Discuss: Is attainment of maturity a sign of loss of innocence 2.differentiate between innocence and maturity 3. Write a brief note on "Childhood is an essential state in the process of growing up,but it can't go on forever"

26	18 to 23 Nov 2024	Hornbill - Childhood (Continued)	Enable the students to:1. understand individuality, rationalism and hypocrisy2. Identify the poetic devices	The student will be able to i)think, analyse and observeii)identify rhyme schemeiii)know individualityiv)differentiate between innocence and maturityv)accept different people
27	25 to 30 Nov 2024	Writing Skill - (Debate)	Enable the students to: 1. Articulate thoughts on any topic 2. Learn the art of presenting arguments 3. Collect and compile data	The Students will be able to 1. Express their views on any topic 2. Present arguments skilfully 3. Infer the format of Debate
28	2 to 9 Dec.2024	Revision		
29	10 to 17 Dec 2024	PA-2		
30	18 TO 21 Dec.2024	Hornbill - Father to Son	Enable the students to 1. accept differences and understand people 2. respect elders and value relations 3. resolve conflicts with patience 4. Infer the theme of generation gap	The Students will be able to 1. look into their own behaviour and mend their ways to develop a healthy relationships. 2. Identify poetic devices 3. Realise the agony of the parents
31	23 to 28 Dec. 2024	Hornbill - Father to Son (Continued)	Enable the students to: 1. handle criticism and to take initiative for making up the loss 2. communicate with family members and share joys and sorrows 3.understand consequences of lack of communication and cold indifferences in a family	Students will be able to 1. Analyse the reasons of communication gap 2. Develop effective communication skills 3. Develop analytical and thinking skills
32	2 to 4 Jan. 2025	Snapshot - Tale of Melon City	Enable the students to: 1.inculcate values like co-operation, confidence, faith, respect and integrity 2.analyse situations and take appropriate decisions. 3. Analyze the fun and humour used in the poem to point out the loopholes in the system. 4. Realise that law is not only blind but can also spell disaster if it is thoughtlessly implemented	The Students will be able to 1.Describe why peace and liberty are the two strong factors for a state to flourish. 2.Identify the poetic devices 3.Realise that the rulers of the state should be judicious and sensitive to the needs of the people. 4.Infer that the simplest way to maintain peace and liberty in a state is by following the principles of laissez-faire
33	February,2025	REVISION		

Subject:- PHYSICS

Book Followed:-NCERT , Pradeep , SL Arora

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	27 Mar to 1 April 2024	Units and Measurement		
		Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. Length, mass and time measurements; accuracy and precision of measuring instruments; errors in measurement; significant figures	Enable the students to make the learners to know about the different types of measurement system of units and significance & application of dimensional analysis.	Learners will be able to understand the Need of measurement along with basics of fundamental and derived units.
2	3 to 8 April 2024	Units and Measurement		
		Dimensions of physical quantities, dimensional analysis and its applications.	Enable the students to make the learners to know about the different types of measurement system of units and significance & application of dimensional analysis.	Learners will be able to understand the significance and importance of dimensional analysis of any physical quantity.
3	10 to 15 April 2024	Integration and differentiation		
			Enable the students to develop mathematical concept	learners will be able to solve physical problems with help of integration and differentiation.
4	17 to 22 April 2024	Motion in a straight Line		
		Frame of reference, Motion in a straight line: Position-time graph, speed and velocity. Uniform and non- uniform motion, average speed and instantaneous velocity	Enable the students to clear the concept of motion of a body with relating it to real life examples	Learners will be able to understand the term motion as a relative term and classification of motion.
5	24 to 29 April 2024	Motion in a straight Line		
		Uniformly accelerated motion, velocity-time and position- time graphs. (3) Relations for uniformly accelerated motion (graphical treatment).	Enable the students to have basic concept of calculus method to derive three basic equations of kinematics. Also the learners will know about the graphical treatment of different types of motion.	Learners will be able to understand the significance of three equations of motion in our daily life along with its mathematical calculus analysis.
6	15 to 24 June 2024	Motion in a Plane		

		Elementary concepts of differentiation and integration for describing motion. Scalar and vector quantities: Position and displacement vectors, general vectors and notation, equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors. Relative velocity. Unit vectors. Resolution of a vector in a plane – rectangular components.	Enable the students to understand the concept of Fluid dynamics and its application for our daily life. (Viscosity, types of flows, capillarity and its applications) to clear the concept of Vector analysis of a physical quantities and to understand the concept of vector algebra (addition subtraction) Enable the students to understand the concept of Fluid dynamics and its application for our daily life. (Viscosity, types of flows, capillarity and its applications) to know about projectile motion of body and calculation of its different parameters	Learners will be able to understand basics of Scalar and Vector quantities along with its Mathematical analysis (Addition, subtraction, Product, Resolution, Projection) Learners will be able to understand the concept of Projectile and its mathematical analysis (Parabolic path, Maximum height attained, Range, Time of flight, Resultant velocity)
7	26 June to 1 July 2024	Motion in a Plane		
		Cases of uniform velocity and uniform acceleration – projectile motion	Enable the students to know about projectile motion of body and calculation of its different parameters with real life examples	Learners will be able to understand the concept of Projectile and its mathematical analysis (Parabolic path, Maximum height attained, Range, Time of flight, Resultant velocity)
8	3 to 8 July 2024	Motion in a Plane		
		Cases of uniform velocity and uniform acceleration – Uniform circular motion.	Enable the students to know about circular motion of body and calculation of its different parameters with real life examples	Learners will be able to understand the concept of circular motion and its mathematical analysis
9	10 to 15 July 2024	Laws of Motion		
		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.	Enable the students to clear the concept of Forces Momentum and different laws of motion given by Sir Newton.	Learners will be able to understand the Concept of force along all the three Newton's laws of motion. Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion
10	17 to 22 July 2024	Laws of Motion		

		Law of conservation of linear momentum and its applications.	Enable the students to clear the concept of Forces Momentum and different laws of motion given by Sir Newton.	Learners will be able to understand the Concept of force along all the three Newton's laws of motion. Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion
11	24 to 29 July 2024	friction		
		Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction, lubrication.	Enable the students to make the student aware of Dynamics of circular which solves many problems in our society.	Learners will be able to understand the Concept of force along all the three Newton's laws of motion. Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion
12	31 July to 5 Aug 2024	friction		
		Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on level circular road, vehicle on banked road).	Enable the students to make the student aware of Dynamics of circular which solves many problems in our society.Enable the students	Learners will be able to understand the Concept of force along all the three Newton's laws of motion. Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion
13	7 to 12 August 2024	Work, Energy, Power		
		Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power.	Enable the students to clear the concept Work, Energy and Power and its application in our daily life which helps us to approach and to solve the Problem technically.	Learners will be able to understand the Basic concept of work done along with its mathematical analysis and Classification of work.
14	14 to 19 August 2024	Work, Energy, Power		

		Notion of potential energy, potential energy of a spring, conservative forces; conservation of mechanical energy (kinetic and potential energies);	Enable the students to clear the concept Work, Energy and Power and its application in our daily life which helps us to approach and to solve the Problem technically.	Learners will be able to understand the Concept of mechanical energy, different forms energy and its conservation with necessary mathematical analysis.
15	21 to 26 August 2024	Work, Energy, Power		
		non-conservative forces; motion in a vertical circle, elastic and inelastic collisions in one and two dimensions.	Enable the students to clear the concept Work, Energy and Power and its application in our daily life which helps us to approach and to solve the Problem technically.	Learners will be able to understand the Mechanical power along with its Practical and SI units.
16	28 Aug to 2 Sept 2024	Gravitation		
		The universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.	Enable the students to understand the concept of gravitational force and gravity with laws of planetary motion and detailed mathematical analysis of acceleration due to gravity above and below the surface of earth.	Learners will be able to understand Concept of gravitational force between two bodies and its conservative nature.
17	4 to 9 Sept 2024	Gravitation		
		Gravitational potential energy; gravitational potential. Escape velocity, orbital velocity of a satellite. Geostationary satellites.	Enable the students to understand the concept of gravitational force and gravity with laws of planetary motion and detailed mathematical analysis of acceleration due to gravity above and below the surface of earth.	Learners will be able to understand the Concept of variation of acceleration due to gravity with height and depth.
18	11 to 13 Sept 2024	Gravitation		
		Kepler's laws of planetary motion.	TEnable the students tounderstand the conceptof gravitational force andgravity with laws ofplanetary motion anddetailed mathematicalanalysis of accelerationdue to gravity above andbelow the surface of earth.	learners will be able to analyse the motion of planets and factors affecting the motion of planet.
19	14 to 27 Sept 2024	Revision : all chapters	Enable the students to develop better understanding of chapters	will be able to solve the problems based on various concept

20	28 to 30 Sept. 2024	Rotational Dynamics Ch 7 System of Particles and Rigid Bodies		
		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 uniform rod.	Enable the students clear the concept of rotational dynamics by relating it with the motion of body in a straight line.	Learners will be able to understand the concept of centre of mass and centre of gravity of a body.
21	2 to 7 Oct 2024	Rotational Dynamics Ch 7 System of Particles and Rigid Bodies		
		Moment of a force, torque, angular momentum, conservation of angular momentum with some examples.	Enable the students to clear the concept different parameters of rotating body (Torque, Angular momentum, moment of inertia) and applying different theorems to find the moment of inertia of simple geometrical objects.	Learners will be able to understand the Concept of Rotational Dynamics and equations of motion for rotating body.
22	9 to 14 Oct 2024	Rotational Dynamics Ch 7 System of Particles and Rigid Bodies		
		Equilibrium of rigidbodies, rigid body rotationand equation of rotationalmotion, comparison oflinear and rotationalmotions; moment of inertia, radius of gyration.Values of M.I. for simplegeometrical objects (noderivation). Statement of parallel and perpendicularaxes theorems and theirapplications.	Enable the students to clear theconcept differentparameters of rotatingbody (Torque, Angularmomentum, moment of inertia) and applyingdifferent theorems tofind the moment of inertia of simplegeometrical objects.	Learners will be able to understand the Analogybetween Kinematics andRotational Dynamics.
23	16 to 21 Oct 2024	Rotational Dynamics Ch 7 System of Particles and Rigid Bodies	numericals	numericals
	Dushera break 23-25 Oct			
24	26 to 28 Oct 2024	Mechanical Properties of Solids		

		Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus,	Enable the students to understand the concept of elasticity and rigidity of a body with stress- strain analysis and applying it to solve real life problems.	Learners will be able to understand Practicality of different types of Elastic modulli and Relation between stress and strain. and apply the concept of elasticity to day today life
25	30 Oct to 4 Nov 2024	Mechanical Properties of Solids		
		shear, modulus of rigidity, poisson's ratio; elastic energy.	Enable the students to understand the concept of elasticity and rigidity of a body with stress- strain analysis and applying it to solve real life problems.	Learners will be able to understand Practicality of different types of Elastic modulli and Relation between stress and strain.
26	6 to 9 Nov 2024	Mechanical Properties of Fluids , hydrostatics		
		Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes).	Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)	Learners will be able to understand Practicality of Fluid dynamics in real life (Pascal's Law, Bernoulli's theorem, Magnus Effect)
	Diwali break 10 -15 Nov			
27	16 to 18 Nov 2024	Mechanical Properties of Fluids , hydrostatics		
		Effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, Reynold's number, streamline and turbulent flow	Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)	Learners will be able to understand Concept of surface Tension and Surface energy
28	20 to 25 Nov 2024	Mechanical Properties of Fluids , hydrostatics		
		numericals	numericals	numericals
29	28 Nov to 2 Dec 2024	Mechanical Properties of Fluids , hydrodynamics		

		Critical velocity, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact,	Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)	
30	4 to 9 Dec 2024	Mechanical Properties of Fluids , hydrodynamics		
		excess of pressure, application of surface tension ideas to drops, bubbles and capillary rise.	Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)	Learners will be able to understand Concept of hydrodynamics and will be able to relate it with a daily life.
31	11 to 16 Dec 2024	Thermal Properties of Matter		
		Heat transfer –conduction and thermalconductivity, convectionand radiation. Qualitativeideas of Black BodyRadiation, Wein'sdisplacement law, andGreen House effect.Heat, temperature,thermal expansion; thermalexpansion of solids, liquids,and gases. Anomalousexpansion. Specific heatcapacity: C_p , C_v –calorimetry; change ofstate – latent heat.Newton's law of coolingand Stefan's law	"Enable the students tounderstand the conceptof Fluid dynamics and itsapplication for our dailylife.(Viscosity, types offlows, capillarity and itsapplications)" tounderstand the conceptof heat transfer betweenthe bodies and itsdifferent methods alongwith its mathematicalanalysis and relating it toour daily life.	Learners will be able tounderstand the Differentmethods of heat transfer,Concept of thermalexpansion and Laws ofcooling.
	PA II -6/12--13/12			
32	18 to 23 Dec 2024	Thermodynamics		

		<p>Thermal equilibrium and definition of temperature (zeroth law of Thermodynamics). Heat, work and internal energy. First law of thermodynamics. Isothermal and adiabatic processes. Second law of thermodynamics: Reversible and irreversible processes. Heat engines and refrigerators.</p>	<p>"Enable the students to understand the concept of Fluid dynamics and its application for our daily life. (Viscosity, types of flows, capillarity and its applications)" to understand the concept of Thermodynamics and its different laws along with the concept of engine and refrigerator with different law and process of thermodynamics.</p>	<p>Learners will be able to understand the Concept of Heat, work and Internal energy of the system. Learners will be able to understand the Principle of Heat Engine and Refrigerator.</p>
33	26 to 28 Dec 2024	Kinetic theory of gases		
		<p>Equation of state of a perfect gas, work done on compressing a gas. Kinetic energy and temperature; rms speed of gas molecules; degrees of freedom, law of equipartition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.</p>	<p>"Enable the students to understand the concept of Fluid dynamics and its application for our daily life. (Viscosity, types of flows, capillarity and its applications)" to understand the concept of Motion of gaseous particles along with mathematical analysis of pressure exerted by a gas and K.E of a gaseous particles</p>	<p>Learners will be able to understand the concept of Pressure exerted by a gas on the walls of the container. Learners will be able to understand the Concept and relation between different specific heat capacities.</p>
34	2 to 6 Jan 2024	heat and thermodynamics		
		numericals and concepts revision	better understanding and analysing of topics	will be able to solve the problems and numericals.
35	8 to 13 Jan 2024	Oscillations		

		<p>Periodic motion – period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion (SHM) and its equation; phase; oscillations of a spring – restoring force and force constant;</p>	<p>"Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)" to understand the concept of Wave motion and SHM along with its different application and mathematical analysis and also to learn basics of oscillations and its types</p>	<p>Learners will be able to understand the basic concept of generation of waves along with its Classification and Mathematical analysis and SHM.</p>
36	15 to 20 Jan 2024	Oscillations		
		<p>energy in SHM –kinetic and potential energies; simple pendulum– derivation of expression for its time period; free,forced and damped oscillations (qualitative ideas only), resonance.</p>	<p>"Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)" to understand the concept of Wave motion and SHM along with its different application and mathematical analysis and also to learn basics of oscillations and its types</p>	<p>Learners will be able to understand the Concept of Different forms of energy possessed by a body executing SHM with its mathematical analysis.</p>
37	22 to 27 Jan 2024	Waves		

		Wave motion. Longitudinal and transverse waves, speed of wave motion. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves,	"Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)"to understand the concept of Wave motion, beats and doppler's effect relating it to our daily life.	Learners will be able to understand the Mathematical analysis of waves along its basic parameters (Amplitude , Frequency and Phase)
38	29 to 31 Jan 2024	5 Waves		
		standing waves in strings and organ pipes, fundamental mode and harmonics. Beats. Doppler effect.	"Enable the students to understand the concept of Fluid dynamics and its application for our daily life.(Viscosity, types of flows, capillarity and its applications)" to understand the concept of Wave motion, beats and doppler's effect relating it to our daily life.	Learners will be able to understand the concept of reflection of waves along with concept of harmonics. Learners will be able to understand the Practicality in variation in frequency of sound due to relative motion between source and observer (Doppler's Effect)

Subject:- ECONOMICS**Book Followed:- NCERT, Introductory Micro Economics, Statistics for Economics**

S.No.	Month/Week	No. of Working Days	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	6 Days	Statistics- Chap 1. Introduction to Statistics 1. What is Statistics 2. Definition of Statistics in Singular and Plural Sense 3. Features/Characteristics of Statistics 4. Importance of Statistics	To enable the students to: 1. Understand the usage and application of Statistics in real life 2. Describe and Specify at least 5 characteristics of statistics 3. Describe and Specify at least 5 characteristics of statistics 4. List any 5 areas of importance of statistics in their life	Students will be able to: 1. Cite at least 5 real life examples of use and application of Statistics 2. Recall and write at least 5 characteristics of statistics 3. Recall and write at least 5 characteristics of statistics 4. Identify the importance of statistics in their life
2	8 to 13 April 2024	6 Days	Statistics- Chap 1. Introduction to Statistics 5. Limitations of Statistics	To enable the students to: 3. Write at least 3 examples of manipulation and misuse of statistics	Students will be able to: 3. Identify the manipulations done in preparing statistics and state the reasons behind distrusting statistics
			Statistics- Chap 2. Collection of Data 1. What is Data 2. Types of Data: Primary and Secondary 3. Methods of Primary Data Collection	To enable the students to: 1. Create a table of minimum 4 differences between Primary and Secondary data 2. List down the different methods suitable for collecting data in different situations and conditions	Students will be able to: 1. Distinguish between Primary and Secondary data 2. Illustrate the different methods suitable for collecting data in different situations and conditions
3	15 to 20 April 2024	6 Days	Statistics- Chap 2. Collection of Data 1. Sources of Secondary Data Collection 2. Sources of Data: Sample and Census Data Collection 3. What is NSSO and Census of India	To enable the students to: 1. Write a short note on NSSO and Census Method of Data Collection 2. Prepare a mind map of Sampling technique of data collection	Students will be able to: 1. Paraphrase notes on NSSO and Census Method of Data Collection 2. Present a mind map of Sampling technique of data collection

4	22 to 30 April 2024	6 Days	<p>Statistics- Chap 3. Presentation of Data</p> <ol style="list-style-type: none"> 1. What is Presentation of Data 2. Types of Data Presentation: Tabular, Graphical, Diagrammatic 3. Preparation of Bar Diagram, Histogram, Frequency Curve, Frequency Polygon, Pie Chart, Time Graph 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. List the types of Data Presentation 2. Identify the suitability and features of each form of data presentation 3. Present a quantitative data in graphical and diagrammatic form like histogram, bar graph, pie charts and frequency curve based on the data provided 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Prepare a hierarchy chart of form of data presentation on the basis of certain characteristics like dimensions 2. Represent a quantitative data in graphical and diagrammatic form 3. Construct histogram, bar graph, pie charts and frequency curve
5	15 to 22 June 2024	6 Days	<p>Micro Economics- Chap 1. Introduction to Economics</p> <ol style="list-style-type: none"> 1. What is Economics 2. Branches of Economics: Micro & Macro Economics 3. Types of Economics: Positive & Normative Economics 4. Types of Economy: Capitalist, Socialist and Mixed 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define economic terms like producer, consumer, investment, economy, and economics 2. Specify at least 4 differences between Micro & Macro Economics; Positive & Normative Economics 3. Prepare a table of difference between Capitalist, Socialist and Mixed Economy 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall and write the economic terms like producer, consumer, investment, economy, and economics 2. Outline the differences between Micro & Macro Economics; Positive & Normative Economics 3. Distinguish between Capitalist, Socialist and Mixed Economy
6	24 to 29 June 2024	6 Days	<p>Micro Economics- Chap 1. Introduction to Economics</p> <ol style="list-style-type: none"> 1. Central Problems of an Economy 2. Production Possibility Frontier and Curve 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Identify the 3 central problems of an economy and suggest the mechanism to find a proper solution for the problems 2. Define PPC and calculate Marginal opportunity cost of a given PPC schedule 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Summarize the central problems of an economy and Examine a proper solution for the problems 2. Recall the concept of PPC and construct PPC curve with the help of Marginal opportunity cost and PPC schedule
7	1 to 6 July 2024	6 Days	<p>Micro Economics- Chap 2. Consumer Behaviour</p> <ol style="list-style-type: none"> 1. Who is a Consumer 2. Theory of Consumer Behaviour: Cardinal and Ordinal Approach 3. What is Utility 4. Types of Utility 5. Law of Diminishing Marginal Utility and its assumptions 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Express the utility received from any 3 commodities 2. Define Marginal Utility and Total Utility 3. Identify and Calculate the different types of utility i.e. Total Utility, Marginal Utility and Average Utility 4. Demonstrate the Law of Diminishing Marginal Utility through a small skit 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Relate to the concept of utility received from consumption activity 2. Rewrite Marginal Utility and Total Utility 3. Construct and compute different types of utility i.e. Total Utility, Marginal Utility and Average Utility 4. Experience the Law of Diminishing Marginal Utility in their consumption activity

8	8 to 11 July 2024	4 Days	Revision		
9	12 to 22 July 2024	10 Days	PA1		
10	23 to 27 July 2024	5 Days	Micro Economics- Chap 2. Consumer Behaviour 6. Cardinal Approach of Consumer Equilibrium	To enable the students to: 1. Identify the situation of consumer's equilibrium using Cardinal approach	Students will be able to: 1. Research the consumer's equilibrium using Cardinal approach
11	29 July to 3 August 2024	6 Days	Micro Economics- Chap 2. Consumer Behavior 7. Ordinal Approach of Consumer Equilibrium	To enable the students to: 1. Define Indifference curve, Budget Line, MRS 2. Describe any 3 features of Indifference curve 3. Differentiate between Indifference curve and Budget Line 4. Identify the different situations of consumption and analyze the situation of equilibrium using Ordinal approach	Students will be able to: 1. Summarize the concept of Indifference curve, Budget Line, MRS 2. Identify the features of Indifference curve and construct an indifference graph 3. Distinguish between Indifference curve and Budget Line on the basis of their concept and identity 4. Breakdown the different situations of consumption and analyze the situation of equilibrium using Ordinal approach
12	5 to 10 August 2024	6 Days	Micro Economics- Chap 3. Demand 1. Define Demand and Quantity Demanded 2. Define Individual and Market Demand 3. Law of Demand and its Assumptions 4. Reasons behind operation of Law of Demand	To enable the students to: 1. Define Demand with respect to time and price of a commodity 2. Differentiate between Demand and Quantity Demanded on the basis of stock and flow concept 3. State the law of demand and its assumptions 4. Specify at least 4 reasons behind operation of law of demand	Students will be able to: 1. Recall the definition of Demand with respect to time and price of a commodity 2. Compare between Demand and Quantity Demanded on the basis of stock and flow concept 3. Recall the law of demand and support it with reasons

13	12 to 17 August 2024	5 Days	<p>Micro Economics- Chap 3. Demand</p> <p>5. Exceptions to law of demand 6. Determinants of Demand 7. Change in Demand and Quantity Demand</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Examine the exceptions to law of demand 2. Cite 2 real life examples explaining the factors affecting Demand 3. Specify at least 5 determinants of individual demand and 3 additional of market demand 4. Distinguish between change in demand and change in quantity demand 5. Draw graph showing difference between Change in Demand and Change in Quantity Demanded 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify and justify the exceptions to law of demand 2. Demonstrate real life examples explaining the factors affecting Demand 3. Identify the determinants of individual demand and market demand 4. Compare between change in demand and change in quantity demand 5. Plot graph showing difference between Change in Demand and Change in Quantity Demanded
14	19 to 24 August 2024	5 Days	<p>Micro Economics- Chap 4. Elasticity of Demand</p> <ol style="list-style-type: none"> 1. What is Elasticity of Demand 2. Degrees of Elasticity 3. Factors affecting Elasticity of Demand 4. Methods of Calculating Elasticity of Demand: Percentage Method, Proportionate Method and Total Expenditure Method 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Elasticity of demand and Price elasticity of demand 2. Recall the degrees of elasticity and write their range 3. Describe any 5 factors affecting elasticity of demand 4. Calculate numerical using different methods of calculating price elasticity of demand 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall Elasticity of demand and Price elasticity of demand 2. Estimate the degrees of elasticity and list their range 3. Summarize factors affecting elasticity of demand 4. Recall the formula and solve numerical of price elasticity of demand using different methods
15	26 to 31 August 2024	5 Days	<p>Statistics- Chap 4. Central Tendency</p> <ol style="list-style-type: none"> 1. Define Central Tendency 2. Define Arithmetic Mean, Median and Mode 3. Calculation of Arithmetic Mean using Direct method, Short Cut method and Step Deviation method 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Mean, Median and Mode 2. State the use of measuring central tendency 3. Calculate arithmetic mean using different methods for different types of series 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of Mean, Median and Mode 2. Infer the use of measuring central tendency 3. Analyze and solve numerical of arithmetic mean using different methods for different types of series

16	2 to 7 September 2024	5 Days	<p>Statistics- Chap 4. Central Tendency</p> <p>4. Calculation of Weighted Mean 5. Calculation of Combined Mean 6. Calculation of Corrected Mean 7. Calculation of Median 8. Calculation of Mode</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Calculate Weighted Mean, Combined Mean and Corrected Mean 2. Calculate median using different methods for different types of series 3. Calculate mode using different methods for different types of series 4. Calculate mode using Grouping table and Analysis table 5. State the relation between mean, median and mode 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Understand and solve numerical of Weighted Mean, Combined Mean and Corrected Mean 2. Understand and solve numerical of median using different methods for different types of series 3. Understand and solve numerical of mode using different methods for different types of series 4. Understand and solve numerical of mode using Grouping table and Analysis table 5. Identify the relation between mean, median and mode
17	9 to 16 September 2024	6 Days	REVISION		
18	18 to 30 Sep 2024	12 Days	Term 1 exam		
19	1 to 5 October 2024	4 Days	<p>Micro Economics- Chap 5. Production</p> <ol style="list-style-type: none"> 1. What is Production Function 2. What are factors of production 3. Difference between Short Run and Long run Production Function 4. Difference between Variable and Fixed factors of production 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Production function, and state the relation between input and output 2. Differentiate between short run and long run production function 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify Production function, and recall the relation between input and output 2. Distinguish between short run and long run production function
20	7 to 10 October 2024	4 Days	<p>Micro Economics- Chap 5. Production</p> <ol style="list-style-type: none"> 5. Law of Variable Proportion and its Assumptions 6. Phases of Law of Variable Proportion and its Reasons 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Law of variable proportion and explain short term production 2. State the relationship between total product, marginal product, and average product 3. Assess the reasons behind different stages of production 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Apply Law of variable proportion and explain short term production 2. Construct the relationship between total product, marginal product, and average product 3. Express the reasons behind different stages of production

	11 to 12 October 2024	Dussehra Holidays			
21	14 to 19 October 2024	6 Days	<p>Micro Economics- Chap 6. Cost</p> <ol style="list-style-type: none"> 1. What is Cost function 2. Types of Cost: Explicit and Implicit Cost 3. Types of Short run Cost: Marginal Cost, Variable Cost, Fixed Cost, Total Cost, Average Cost 4. Relation between MC, TVC and TC; TC,TVC and TFC; ATC and MC; ATC, AVC and AFC 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Cost and its types: Variable and Fixed; Implicit and Explicit 2. State the relation between marginal and total cost 3. State the relation between average cost and marginal cost 4. List different types of average cost and present them graphically 5. Demonstrate graphically the relation between different cost curves 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of Cost and its types: Variable and Fixed; Implicit and Explicit 2. Summarize the relation between marginal and total cost 3. Summarize the relation between average cost and marginal cost 4. Identify the different types of average cost and draw their graphs 5. Draw and label different cost curves
22	21 to 26 October 2024	6 Days	<p>Micro Economics- Chap 7. Revenue</p> <ol style="list-style-type: none"> 1. Define Revenue 2. Types of Revenue: a) Price is fixed b) Price Decreases 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Distinguish between profit and revenue 2. Define the marginal revenue, average revenue, and total revenue 3. State the types of revenue when price is constant and price changes 4. Show the relation between different types of revenue using graph 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of profit and revenue 2. Find the meaning and features of marginal revenue, average revenue, and total revenue 3. Identify and indicate the types of revenue when price is constant and price changes 4. Present the relation between different types of revenue using graph
			<p>Micro Economics- Chap 8. Producer Equilibrium</p> <ol style="list-style-type: none"> 1. Define Producer's Equilibrium 2. Define Profit 3. Producer's Equilibrium Conditions and Assumptions 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define producer's equilibrium 2. State the condition of producer's equilibrium 3. Explain producer's equilibrium using graph 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of producer's equilibrium 2. Tell the conditions of producer's equilibrium and prove them 3. Summarize the concept of producer's equilibrium using graph
	29 October to 2 November 2024	Diwali Holidays			

23	4 to 9 November 2024	6 Days	<p>Micro Economics- Chap 9. Supply and Elasticity of Supply</p> <ol style="list-style-type: none"> 1. Define Supply and Quantity Supply 2. Define Individual and Market Supply 3. Law of Supply and its Assumptions 4. Reasons behind operation of Law of Supply 5. Determinants of Supply 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define Supply and Quantity Supplied 2. State the law of supply and its assumptions 3. Discuss the reason behind operation of Law of Supply 4. Explain the determinants of supply 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of Supply and differentiate it from Quantity Supplied 2. Relate to law of supply and its assumptions 3. Illustrate the reason behind operation of Law of Supply 4. Identify the determinants of supply
24	11 to 16 November 2024	5 Days	<p>Micro Economics- Chap 9. Supply and Elasticity of Supply</p> <ol style="list-style-type: none"> 6. Change in Supply and Quantity Supply 7. What is Elasticity of Supply 8. Degrees of Elasticity 9. Methods of Calculating Elasticity of Supply: Percentage Method and Proportionate Method 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Differentiate between Movement along supply curve and Shift in supply curve 2. Calculate elasticity of supply using different measures 3. State the degrees of elasticity of supply 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. List down the difference between Movement along supply curve and Shift in supply curve 2. Recall the formula and solve the numerical of elasticity of supply using different measures 3. Identify the degrees of elasticity of supply
25	18 to 23 November 2024	6 Days	<p>Statistics- Chap 5. Correlation</p> <ol style="list-style-type: none"> 1. What is Correlation 2. Degrees of Correlation 3. Karl Pearson's Method of Calculating Correlation using Direct Method, Short Cut Method, Step Deviation Method 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. State the meaning of correlation 2. Identify the nature of relationship between 2 variables 3. State the degrees and direction of relation between 2 variables 4. Calculate coefficient of correlation of database using Direct, Short Cut method & Step Deviation method of Karl Pearson's coefficient of correlation 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Restate the meaning of correlation 2. Quote the nature of relationship between 2 variables 3. List the degrees and direction of relation between 2 variables 4. Analyze the numerical based on coefficient of correlation using Direct, Short Cut method and Step Deviation method of Karl Pearson's coefficient of correlation

26	25 to 30 November 2024	6 Days	Statistics- Chap 5. Correlation 4. Spearman's Rank Method of Calculating Correlation	To enable the students to: 1. Analyze the degrees and direction of relation between 2 variables 2. Calculate coefficient of correlation of database using different methods Spearman's Rank coefficient	Students will be able to: 1. List the degrees and direction of relation between 2 variables 2. Analyze the numerical based on coefficient of correlation using different methods Spearman's Rank coefficient
27	2 to 7 December 2024	6 Days	Revision		
28	10 to 17 December 2024	7 Days	PA II		
29	18 to 21 December 2024	4 Days	Statistics- Chap 6. Index Number 1. Define Price Index Number 2. Measures of Index Number: Simple 3. Measures of Index Number: Weighted	To enable the students to: 1. State the meaning of Index Number and mention its application. 2. Solve problems and construct simple index number	Students will be able to: 1. Express the meaning of Index Number and mention its application. 2. Analyze problems and construct simple index number
30	23 to 28 December 2024	5 Days	Statistics- Chap 6. Index Number 3. Measures of Index Number: Weighted 4. Consumer and Wholesale Price Index 5. Inflation and its measure	To enable the students to: 1. Solve problems and construct weighted index number 2. Solve problems and construct consumer price and wholesale price index number.	Students will be able to: 1. Analyze problems and construct weighted index number 2. Analyze problems and construct consumer price and wholesale price index number.
	30 December to 1 January 2024	Winter Break			
31	2 to 4 January 2024	3 Days	Micro Economics- Chap 10. Forms of Market 1. Define a Market 2. Forms of Market: Perfect Competition	To enable the students to: 1. Define Perfect Competitive market 2. Explain any 5 features of each market and state their implications	Students will be able to: 1. Write the meaning of Perfect Competitive market 2. Identify the features of perfect competitive market and state their implications

32	6 to 11 January 2024	5 Days	<p>Micro Economics- Chap 11. Price Determination</p> <ol style="list-style-type: none"> 1. Define Market Equilibrium 2. Define Excess Demand and Deficit Demand 3. Change in Equilibrium Price and Quantity 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define market equilibrium 2. Write at least 5 factors affecting demand and supply 3. Draw a graph showing market price and market quantity at equilibrium 4. Discuss the impact of change in demand and supply on market equilibrium 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Recall the meaning of market equilibrium 2. Remember the factors affecting demand and supply 3. Present and label the equilibrium price and quantity graphically 4. Identify the impact of change in demand and supply on market equilibrium
33	13 to 18 January 2024	6 Days	<p>Micro Economics- Chap 11. Price Determination</p> <ol style="list-style-type: none"> 1. Change in Equilibrium Price and Quantity 2. Define Price Ceiling and Price Flooring, its implications 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Discuss the impact of change in demand and supply on market equilibrium 2. State the meaning of Price Ceiling and Price Flooring. Also discuss their implications 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify the impact of change in demand and supply on market equilibrium 2. Express the meaning of Price Ceiling and Price Flooring. Also discuss their implications
34	20 to 25 January 2024	6 Days	REVISION		
35	27 January to 1 February 2024	6 Days	REVISION		
36	1 to 7 February 2024	6 Days	REVISION		
37	11 Feb to 22 Feb 2025	10 Days	Annual Exam		

Subject:- CHEMISTRY

Book Followed:- NCERT , All-in-one

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Some Basic concept of Chemistry <ul style="list-style-type: none"> General Introduction: Importance and scope of Chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules 	TO ENABLE STUDENTS TO • Appreciate significance of atomic mass, molecular mass and formula mass	<ul style="list-style-type: none"> STUDENTS WILL BE ABLE TO :Understand and appreciate role of chemistry in everyday life Understand and explain 3 states of material
2	8 to 13 April 2024	<ul style="list-style-type: none"> Atomic and molecular masses, mole concept and molar mass, percentage composition. Empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry. 	<ul style="list-style-type: none"> TO ENABLE STUDENTS TO : DO stoichiometric calculations mass % of different elements in any compound Mole concept Empirical Formula basic concepts of chemistry 	<ul style="list-style-type: none"> students can Perform stoichiometric calculations Calculate mass % of different elements in any compound Mole concept application in different range of numericals. perform various level calculations related to derive molecular&empirical formula of compounds.
3	15 to 20 April 2024	Classification of Elements and Periodic Properties <ul style="list-style-type: none"> Significance of classification brief history of the development of periodic table modern periodic law and the present form of periodic table 	students enable to understand different periodic tables of various era and conceptualised the core concept	<ul style="list-style-type: none"> students enable to Appreciate how the concept of grouping of elements in accordance of their properties led to development of periodic table Understand periodic law Classify elements in s, p, d & f blocks and learn their main characteristics
4	22 to 30 April 2024	Periodic trends in properties of elements – <ul style="list-style-type: none"> atomic radii, ionic radii, inert gas radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency. 	<ul style="list-style-type: none"> students enable to understand concept of ionisation energy, electron gain enthalpy, electronegativity, TO ENABLE STUDENTS TO understand IUPAC nomenclature of various elements<100u 	<ul style="list-style-type: none"> students enable to Recognize periodic trends in physical and chemical properties of elements Compare reactivity of elements and correlate it with their occurrence in nature Explain relation between

				ionization enthalpy and metallic character <ul style="list-style-type: none"> Use of scientific vocabulary appropriately to communicate ideas related to important properties of atoms
5	15 to 22 June 2024	STRUCTURE OF ATOM Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations.	TO ENABLE STUDENTS TO <ul style="list-style-type: none"> Know about discovery of electrons, protons and neutrons Describe various models of atoms Understand nature of electromagnetic radiations and plank's quantum theory 	TO ENABLE STUDENTS TO: <ul style="list-style-type: none"> Understand nature of electromagnetic radiations and plank's quantum theory
6	24 to 29 June 2024	<ul style="list-style-type: none"> Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship 	students enable to know about atomic spectra photoelectric effect & various atomic properties	students enable to <ul style="list-style-type: none"> Explain photoelectric effect and describe features of atomic spectra. Define an atomic orbital in terms of quantum numbers
7	1 to 6 July 2024	<ul style="list-style-type: none"> Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals. Rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals. 	Students enable to know about heisenbergs principle, quantum number. TO ENABLE STUDENTS understand aufbau's principle, Hund's rule ,pauli's principle	Students enable to know about heisenbergs principle, quantum number with numerical. Students enable to <ul style="list-style-type: none"> State Aufbau principle, Pauli's exclusion principle and Hund's rule and write electronic configurations
8	8 to 11 July 2024	Revision		
9	12 to 22 July 2024	PA-1		
10	23 to 27 July 2024	CHEMICAL BONDING AND MOLECULAR STRUCTURE General Introduction: Valence electrons, ionic bond, covalent bond, bond parameters,	TO ENABLE STUDENTS TO Kossel – Lewis approach to chemical bonding octet rule and its limitations	STUDENTS ENABLE TO <ul style="list-style-type: none"> Understand Kossel – Lewis approach to chemical bonding Explain octet rule and its limitations

11	29 July to 3 August 2024	Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules VSEPR theory	TO ENABLE STUDENTS to know Lewis structures of simple molecules VSPER theory	students enable to draw Lewis structures of simple molecules <ul style="list-style-type: none"> • Explain formation of different types of bonds • Describe the VSPER theory and predict the geometry of simple molecules
12	5 to 10 Aug 2024	<ul style="list-style-type: none"> • concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules. • molecular orbital theory of homonuclear diatomic molecules(qualitative idea only), Hydrogen bond. 	TO ENABLE STUDENTS TO : VBT, HYBRIDISATION TO ENABLE STUDENTS MOT, Hydrogen bonds	<p>learners will be able to</p> <ul style="list-style-type: none"> •Predict directional properties of covalent bond •Describe molecular orbital theory of homonuclear diatomic molecules. <p>students enable to Lewis structures of simple molecules</p> <ul style="list-style-type: none"> • Explain formation of different types of bonds • Describe the VSPER theory and predict the geometry of simple molecules
13	12 to 17 August 2024	REDOX REACTIONS Concept of oxidation and reduction, redox reactions,	TO ENABLE STUDENTS : UNDERSTAND OXIDATION NO. CONCEPTS OF VARIOUS REACTIONS	Learners will be able to predict oxidation no. and different types of chemical reactions with their nature of reactant.
14	19 to 24 August 2024	Balancing redox reactions, by oxidation no. and ion electron method. In terms of loss and gain of electrons	TO ENABLE STUDENTS TO chemical reactions by ion electron method, oxidation no.	learners will be able to balance different types of reactions by ion electron method acidic / basic medium.
15	26 to 31 August 2024	oxidation number, and change in oxidation number, applications of redox reactions.	TO ENABLE STUDENTS TO UNDERSTAND THE CONCEPT OF OXIDATION NUMBER METHOD OF REDOX REACTIONS	LEARNERS WILL BE ABLE TO BALANCE REDOX REACTIONS BY OXIDATION NO. METHOD

16	2 to 7 Sept 2024	Revision		
17.	9 to 16 Sept 2024	Revision		
18	18 to 30 Sept 2024	TERM-I EXAMINATION		
19	1 to 10 oct 2024	Organic Chemistry: Some basic principle and techniques General introduction, methods of purification, qualitative and quantitative analysis,	TO ENABLE STUDENTS TO CONCEPT OF ORGANIC COMPOUNDS, CONCEPT OF TETRA VALENCY	learners will be able to understand <ul style="list-style-type: none"> • reason for tetra valence of carbon and shape of organic molecules • Write structures of organic molecules in various ways
20	11 and 12 OCT. 2024	Dussehra Holiday		
19	14 to 19 Oct 2024	classification and IUPAC nomenclature of organic compounds. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	TO ENABLE STUDENTS : concept of IUPAC nomenclature, of different types of functional groups. TO ENABLE STUDENTS TO : basic terms of organic reactions, different concepts of electronic displacement	learners will be able to understand the iupac nomenclature of various organic compounds of different functional groups. <ul style="list-style-type: none"> • Understand the concept of organic reaction mechanism • Explain influence of electronic displacement on reactivity and structure of organic compounds
20	29 oct to 2 Nov 2024	Diwali Holidays		
21	4 to 9 Nov 2024	Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation	TO ENABLE STUDENTS INDUCTIVE EFFECT, ELECTROMERIC EFFECT RESONANCE, HYPERCONJUGATION	learners will be able to <ul style="list-style-type: none"> • Explain influence of electronic displacement on reactivity and structure of organic compounds • Recognise types of organic reactions

22	11 to 16 Nov 2024	HYDROCARBONS Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.	TO ENABLE STUDENTS TO analyse different types of hydrocarbons, their MOP, physical & chemical properties of Alkanes	learners will be able to <ul style="list-style-type: none"> • Name hydrocarbons according to IUPAC system of nomenclature • Recognise and write structures of isomers of alkanes, alkenes, alkynes and aromatic hydrocarbons • Learn about various methods of preparation of hydrocarbons
23	18 to 23 Nov 2024	Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.	TO ENABLE STUDENTS TO PHYSICAL & CHEMICAL PROPERTIES OF ALKENES	learners will be able to <ul style="list-style-type: none"> • Distinguish between alkanes, alkenes, alkynes and aromatic hydrocarbons on the basis of physical and chemical properties
24	25 to 30 Nov 2024	Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Aromatic Compound: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution.	<ul style="list-style-type: none"> • TO ENABLE STUDENTS TO PHYSICAL & CHEMICAL PROPERTIES OF ALKYNES (mop INCLUDED aromatic compound) • - TO ENABLE STUDENTS TO UNDERSTAND MOP & CHEMICAL PROP. OF AROMATIC COMPOUNDS 	learners will be able to <ul style="list-style-type: none"> • Predict the formation of the addition products of unsymmetrical alkenes and alkynes on the basis of electronic mechanisms • Explain aromaticity and understand mechanism of electrophilic substitution in benzene. • Predict directive influence of substituents in monosubstituted benzene rings.
25	2 to 9 Dec 2024	Revision		
26	10 to 17 Dec 2024	PA-2		

28	18 to 21 Dec 2024	<p>CHEMICAL THERMODYNAMICS</p> <ul style="list-style-type: none"> • Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. • First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of U and H, 	<ul style="list-style-type: none"> • TO ENABLE STUDENTS concept of system surroundings, types of system thermodynamic process. • TO ENABLE STUDENTS CONCEPTS OF HEAT, WORK, INTERNAL ENERGY, STATE FUNCTIONS THERMODYNAMIC ASPECTS 	<p>learners will be able to</p> <ul style="list-style-type: none"> • Explain the terms system and surroundings • Discriminate between open, closed and isolated system • State first law of thermodynamics and express it mathematically
29	23 to 28 Dec 2024	<ul style="list-style-type: none"> • Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. • Second law of Thermodynamics (brief introduction) Introduction of entropy as a state function, 	<p>TO ENABLE STUDENTS concept of BOND ENERGY, HESS'S LAW</p>	<p>learners will be able to</p> <ul style="list-style-type: none"> • Explain internal energy, heat and work • Explain state functions • Correlate internal energy change and enthalpy change • Differentiate between extensive and intensive properties
30	2 to 4 Jan 2025	<ul style="list-style-type: none"> • Gibb's energy change for spontaneous and nonspontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction). 	<p>TO ENABLE STUDENTS TO DIFFERENT CONCEPT OF ENTROPY GIBBS ENERGY</p>	<ul style="list-style-type: none"> • Learners will be able to explain and solve numericals based on bond energy & questions related with hess's law. • students will be able to - Explain Gibbs free energy and establish relation between gibbs free energy change and spontaneity
31	6 to 11 Jan 2025	<p>CHEMICAL EQUILIBRIUM</p> <p>Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - Le Chatelier's principle.</p>	<ul style="list-style-type: none"> • TO ENABLE STUDENTS FOR PHYSICAL & CHEMICAL EQUILIBRIUM • TO ENABLE STUDENTS RELATION FOR KP-KC • TO ENABLE STUDENTS CONCEPTS OF ACIDS & BASES THEIR APPLICATIONS 	<p>LEARNERS WILL BE ABLE TO</p> <ul style="list-style-type: none"> • Identify dynamic nature of equilibrium involved in physical and chemical processes • State the law of equilibrium • Write expression for equilibrium constants <p>Learners will be able to</p> <ul style="list-style-type: none"> • Establish relation between Kp and Kc • Explain various factors that affect equilibrium state of a reaction. <p>learners will be able to Classify substances as acids and bases according to Arrhenius, Bronsted-</p>

				Lowry and Lewis conceptble to
32	13 to 18 Jan 2025	ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea)	IONISATION OF ACID AND BASES	Learners will be able to● Classify acids and bases as strong and weak on the basis of their ionization constants
33	20 to 25 Jan 2025	buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples).	CONCEPT OF pH , CONCEPT OF BUFFER SOLUTION SOLUBILITY PRODUCT BUFFER	● Describe PH scale for representing hydrogen ion concentration. Learners will be able to● Appreciate use of buffer solutions and its applications.
34	27 to 1 Feb 2025	Revision		
35	11 Feb to 22 Feb 2025	Term-II (Annual Examination)		

Subject:- BIOLOGY

Book Followed:- NCERT, GRB Publications, Moderns Publication.

S.No.	Month/Week	Lesson to be taught/Subtopics	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Chapter 1: The Living World concept of species and taxonomical hierarchy; binomial nomenclature	Enable the students to: 1 Understand the great variety of living things 2 Explain the practice of classification, Taxonomy and systematics Binomial nomenclature and Tools for study of taxonomy 3 Understand the need for classification 4 List out the basic characters of living things 5 Apply the knowledge in classifying things 6 Differentiate between living and non-living.	Students will be able to: 1 Explain the great variety of living things 2 Adopt and practice classification, Taxonomy and systematics Binomial nomenclature 3 Apply tools for study of taxonomy 4 Explain the need for classification 5 List out the basic characters of living things Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
2	8 to 13 April 2024	Chapter 2: Biological Classification Five kingdom classification; Salient features and classification of Monera, Protista	Enable the students to: 1 Explain the salient features of each unit of classification 2 Discuss the life cycle of each of the phylums 3 Understand the need for developing 5 kingdom classification 4 Identify organisms	Students will be able to: 1 Understand the process of classification of organism 2 Identify the different categories of bacteria 3 Describe the features of different protozoans, virus 4 Apply the gained knowledge 5 Appreciate the role of bacteria in human progress Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
3	15 to 20 April 2024	Chapter 2: Biological Classification Five kingdom classification; Salient features and classification Fungi into major groups; Lichens, Viruses and Viroids	Enable the students to: 1 Explain the salient features of each unit of classification 2 Discuss the life cycle of each of the phylums 3 Draw diagrams for each specimen 4 Identify organisms with its characteristics	Students will be able to: 1 Define dikaryon, alternation of generation 2 Apply the gained knowledge 3 Differentiate between virus, viroids etc. 4 Identify the different categories of phycobiont and mycobiont, RNA and DNA virus Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship

4	22 to 30 April 2024	<p>Chapter 3: Plant Kingdom</p> <p>Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta</p>	<p>Enable the students to:</p> <p>1 understand salient features and classification of plants into major groups - Algae, Bryophyta,</p> <p>2 Distinguish features and at least two examples of each category);</p> <p>3 Describe classification up to class, characteristic features and examples.</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain the Salient features of major groups of plants 2. List the distinguishing features and examples of each category. 3. Explain life cycles of bryophytes, pteridophytes, gymnosperms and angiosperms 4. Draw a labeled diagram to show life cycles of bryophytes, 5. Understand difference between gametophyte and sporophyte. <p>Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
5	15 to 22 June 2024	<p>Chapter 3: Plant Kingdom</p> <p>Classification of plants into major groups; Salient and distinguishing features and a few examples Pteridophyta, Gymnospermae (Topics excluded - Angiosperms, Plant Life Cycle and Alternation of Generations)</p>	<p>Enable the students to:</p> <p>1 understand salient features and classification of plants into major groups - Pteridophyta, Gymnospermae and Angiospermae</p> <p>2 Distinguish features and at least two examples of each category);</p> <p>3 Describe Angiosperms - classification up to class, characteristic features and examples.</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain the Salient features of major groups of plants 2. List the distinguishing features and examples of each category. 3. Explain life cycles of pteridophytes, gymnosperms and angiosperms 4. Draw a labeled diagram to show life cycles of pteridophytes, gymnosperms and angiosperms, 5. Understand difference between gametophyte and sporophyte. 6. Understand formation of spores and gametes in different stages of life cycles <p>Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>

6	24 to 29 June 2024	<p>Chapter 4: Animal Kingdom</p> <p>Salient features and classification of animals, non-chordates up to phyla level</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand basis of classification, levels of organization, symmetry, diploblastic and triploblastic, 2 describe the classification of invertebrates and vertebrates 3 Differentiate between chordates and non-chordates 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain <ol style="list-style-type: none"> a. Basis of classification b. Levels of organization c. Symmetry d. Diploblastic and triploblastic organisms e. Classification of organisms 2. Describe problems associated with classification of organisms 3. Apply broad classification of kingdom animalia based on common fundamental features. 4 Compare chordates and non-chordates <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
7	1 to 6 July 2024	<p>Chapter 4: Animal Kingdom Salient features and classification of animals chordates up to class level (salient features and at a few examples of each category).</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Explain the features of organisms for classification 2 Identify and classify organisms 3 Draw out the differences and similarities between organisms 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Apply broad classification of kingdom animalia based on common fundamental features. 2 Compare chordates and non-chordates 3 Compare the features of class mammalia for classification <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
8	8 to 11 July 2024	<p>Chapter 5: Morphology of Flowering Plants</p> <p>Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae</p> <p>Revision for PA 1</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand morphology and modifications: Internal Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed 2 Draw diagrams for these structures 3 Co-relate the modifications with the structure 4 Explain the need for modifications 5 Understand morphology and modifications: Internal Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed 6 Draw diagrams for these structures 7 Co-relate the modifications with the structure 8 Explain the need for modifications 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain morphology and modifications, Internal Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. 2 Identify the different modifications of root, stem and leaf according to functions 3 Give the functions of each part of the plant Describe different types of flowers. 4 Write floral formula 5 Draw floral diagram <p>Competencies developed in students: collaborative</p>

				learning, critical thinking and problem solving, character building, communication, citizenship
9	12 to 22 July 2024	PA--1		
10	23 to 27 July 2024	Chapter 6: Anatomy of Flowering Plants Anatomy and functions of tissue systems in dicots and monocots.	Enable the students to: 1 Appreciate the diversity in anatomy of root, stem and leaf. 2. Define tissues 3. Explain the types of tissues based on their ability to divide or not. 4. Explain the features of parenchyma, collenchymas and sclerechyma. 5. Differentiate among epidermal,vascular and ground tissue system. 6. Define conjoint, collateral,open, closed exarch and endarch vascular bundles 7. Correlate the anatomy of root,stem and leaf.	Students will be able to: 1 Describe the tissues, meristematic and permanent tissues, monocotyledonous and dicotyledonous plants, secondary growth in plants 2 Differentiate between meristematic and permanent tissues. 3 Differentiate among epidermal,vascular and ground tissue system. 4. Define conjoint, collateral,open, closed exarch and endarch vascular bundles 5 Correlate and explain the anatomy of root,stem and leaf.
11	29 July to 3 August 2024	Chapter 6: Anatomy of Flowering Plants Anatomy and functions of tissue systems in dicots and monocots.	Enable the students to: 1. Differentiate between the anatomy of dicot and monocot stem and root. 2. Draw out the difference between the spring wood and autumn wood, heart wood and sap wood. 3. Explain the secondary growth in dicot stem and root 4. Draw the diagrams of complex permanent tissues and label properly. 5. Develop the skill of identifying monocot and dicot stem and root by their internal structure. 6. Develop the skill of taking cross sections of root, stem and leaf and mount them on microscope using appropriate chemicals 8. Develop the skill handling laboratory apparatus. 9. Communicate the findings and conclusions effectively, such as, those derived from experiments, activities, and projects orally and in written form using appropriate figures, tables, graphs, and digital forms, etc	Students will be able to: 1 Discuss the mechanism of secondary growth 2 Draw out the difference between the spring wood and autumn wood, heart wood and sap wood. 3 Explain the secondary growth in dicot stem and root 4. Draw the diagrams of complex permanent tissues and label properly. 5. Develop the skill of identifying monocot and dicot stem and root by their internal structure

12	5 to 10 August 2024	<p>Chapter 7: Structural Organisation in Animals</p> <p>Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog.</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Acquire knowledge about terms such as epithelium, tendon, ligament, typhlosole etc 2 Understand the different kind of animal tissues, function of nephridia and setae 3 Understand the importance of typhlosole and calciferous glands in earth worm. 4 Compare anatomy of earth worm cockroach and frog in relation with respiration and digestion. 5 Find reason for rapid decrease in the population of frogs. 6 Develop skill in drawing diagram and identifying animal tissues 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Define terms such as epithelium, tendon, ligament, typhlosole etc 2 Identify and differentiate different kind of animal tissues, function of nephridia and setae 3 Explain the importance of typhlosole and calciferous glands in earth worm. 4 Compare anatomy of earth worm cockroach and frog in relation with respiration and digestion. 5 Reason out for the rapid decrease in the population of frogs. 6 Draw diagram and identifying animal tissues"
13	12 to 17 August 2024	<p>Chapter 8: Cell - The Unit of Life</p> <p>Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall;</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand Cell theory, structure and functions of all cell organelles 2 Understand cell envelope and its modifications 3 Explain the mechanism of intracellular transport of substances 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain how these cellular components are used to generate and utilize energy in cells 2. State, explain and apply cell theory 3 Describe the major components of a cell, including the cell membrane, cytoplasm, nucleus, ribosome, endoplasmic reticulum etc. 4. Appreciate the differences between a plant and animal cell. <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>

14	19 to 24 August 2024	Chapter 8: Cell - The Unit of Life; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.	Enable the students to: 1 Describe the structure and function of each organelle 2 Co-relate the structure and its function 3 Draw diagrams of the cell organelles.	Students will be able to: 1 Describe the major components of a cell, including the cell membrane, cytoplasm, nucleus, ribosome, endoplasmic reticulum etc. 2. Appreciate the differences between a plant and animal cell. 3 Discuss and draw the various types of chromosomes., 4 Justify the cell envelope and its modifications 5 Explain the mechanism of intracellular transport of substances Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
15	26 to 31 August 2024	Chapter 10: Cell Cycle and Cell Division Cell cycle, mitosis, meiosis and their significance	Enable the students to: 1 Define the related terms 2 Identify and explain the stages of cell division 3 Recognise the importance of meiosis 4 Explain each stage of mitosis 5 Compare and Contrast mitosis and meiosis 6 Draw the diagrams of cell cycle and cell diagrams 7 Label the diagrams of asexual reproduction and sexual	Students will be able to: 1 define the related terms of cell division 2 Identify and explain various stages of cell division 3 Compare and Contrast mitosis and meiosis 4 Draw the diagrams of cell cycle and cell diagrams 5 Interpret the diagrams
16	2 to 7 Sept 2024	Chapter 9: Biomolecules Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids,	Enable the students to: 1 Understand the structure and function of carbohydrates, proteins, lipids, nucleic acids, enzymes 2 Draw structures of mono and polymers of various structures. 3 Create bonds in monomers to form a polymer 4 Explain the structure of DNA and RNA.	Students will be able to: 1 Explain the structure of carbohydrates on the basis of number of carbon atoms and functional group. 2 Explain Protein structure and function, zwitter ion, pH sensitivity, polymerization. 3 Explain and draw the structure of nucleic acids and its function, difference between DNA and RNA, polymerization of nucleotides to form polymer. 4 Write equations to show formation of peptide bond, glycosidic bond, phosphodiester bond and ester bonds. Competencies developed in students: Collaborative learning, critical thinking and problem solving, character building, communication, citizenship.

17	9 to 16 Sept 2024	Chapter 9: Biomolecules Nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents - Concept of Metabolism, Metabolic Basis of Living, The Living State)	Enable the students to: 1. Acquire the knowledge of the working of an enzyme 2 Understand the need for enzyme and its mechanism 3 Classify enzymes	Students will be able to: 1 Explain about enzymes and catalytic activity. 2 Describe how do enzymes speed up rate of reactions. 3 Explain the nomenclature of enzymes 4 Explain the structure of enzyme Competencies developed in students: Collaborative learning, critical thinking and problem solving, character building, communication, citizenship.
18	18 to 30 Sept 2024	Chapter 13: Photosynthesis in Higher Plants Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea) Photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation	Enable the students to: understand 1 Where does photosynthesis take place? 2 Role of pigments in photosynthesis 3 Mechanism of light reaction 4 Mechanism of dark reaction (C3 and C4 cycle) 5 Photorespiration 6 Factors affecting photosynthesis	Students will be able to: 1 Describe the factors affecting rate of photosynthesis 2 Differentiate between C3 and C4 cycle 3 Explain the mechanism of chemiosmosis for ATP synthesis 4 Describe the importance of formation of proton gradient and breakdown of proton gradient 5 discuss how simple experiments led to a gradual development in the understanding of photosynthesis. 6 Explain mechanism of light and dark reaction 7 Justify the need of chlorophyll molecule for photosynthesis 8 Draw the cyclic and non-cyclic photophosphorylation cycle. Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
19	1 to 10 Oct 2024	Chapter 14: Respiration in Plants Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic)	Enable the students to: 1 <u>Understand</u> Respiration in plants 2 Describe the process of Glycolysis 3 Elaborate Fermentation 4 Explain the steps of Aerobic respiration	Students will be able to: 1 Explain the mechanism of cellular respiration 2 Describe the mechanism of glycolysis and Krebs cycle 3 Differentiate between aerobic and anaerobic respiration 4 Discuss Mechanism of alcoholic and lactic acid fermentation Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship

20	11 to 12 Oct 2024	Dusshera break		
21	14 to 19 Oct. 2024	Chapter 14: Respiration in Plants Energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient	Enable the students to: 1 Explain the respiratory balance sheet 2 explain the Amphibolic pathway 3 Describe and give the importance of Respiratory quotient	Students will be able to: 1 Explain the importance of formation of proton gradient and breakdown of proton gradient for ATP synthesis 2 Discuss the need for amphibolic pathway Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
22	21 to 28 Oct 2024	Chapter 15: Plant - Growth and Development Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation	Enable the students to: 1 Understand the various terms associated with plant growth 2 Justify the need for hormones 3 Understand the use /function of hormones in plant growth 4 Identify the different applications of hormones and plant regulators in plant growth.	Students will be able to: 1 Describe the irreversible phenomena of plant growth and physiological activity of plant hormones during its development 2 Apply these knowledge in plant according to need in agriculture field or horticulture.
23	29 to 2 Nov Oct 2024	DIWALI BREAK		
24	4 to 9 Nov 2024	Chapter 15: Plant - Growth and Development Sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA;	Enable the students to: 1 Give the growth phases in plants 2 Understand the importance of vernalisation, photoperiodism etc.	Students will be able to: 1 Explain the process of vernalisation and photoperiodism 2 Adopt the knowledge in their daily life in horticulture.

25	11 to 16 Nov 2024	<p>Chapter 17: Breathing and Exchange of Gases</p> <p>Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand Respiratory organs 2 Explain the mechanism of breathing 3 Understand the Exchange of gases on various surfaces 4 Describe the Transport of gases 5 Understand the regulation of respiration 6 Identify disorders of respiratory system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Draw and label organs of human respiratory system 2 Discuss mechanism of breathing,,mechanism of exchange and transport of gases 3 Describe oxygen dissociation curve 4 Define respiratory volumes and capacities <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
26	18 Oct to 23 Nov 2024	<p>Chapter 18: Body Fluids and Circulation</p> <p>Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output,</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 understand blood, Lymph 2 Trace the circulatory pathways 3 Give the meaning and pathway of double circulation 4 Elaborate the mechanism of regulation of cardiac activity 5 Identify the disorders of circulatory system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Name and draw all the components of human circulatory system 2 Explain the mechanism of coagulation of blood 3 Describe the concept of human blood groupand its application in blood transfusion. 4 Describe circulatory pathways and cardiac cycle 5 Understand electrocardiograph <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
27	25 to 30 Nov 2024	<p>Chapter 18: Body Fluids and Circulation ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.</p>	<p>Enable the students to</p> <ol style="list-style-type: none"> :1 understand blood, Lymph 2 Trace the circulatory pathways 3 Give the meaning and pathway of double circulation 4 Elaborate the mechanism of regulation of cardiac activity 5 Identify the disorders of circulatory system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Name and draw all the components of human circulatory system 2 Explain the mechanism of coagulation of blood 3 Describe the concept of human blood group and its application in blood transfusion. 4 Describe circulatory pathways and cardiac cycle 5 Understand electrocardiograph <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>

28	2 to 9 Dec 2024	<p>Chapter 19: Excretory Products and Their Elimination</p> <p>Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus;</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Explain the purpose of the kidneys, bladder, and urethra 2 Describe the excretory system 3 Demonstrate an understanding of the path of the excretory system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 State the function of the urinary system 2. Name the products of excretion 3. Describe the structure of the urinary system. 4. Recall that urine is stored in the bladder. 5. Describe the function of the kidneys in filtering the bloodstream.
29	10 to 17 Dec 2024	<p>"Chapter 19: Excretory Products and Their Elimination</p> <p>Role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant."</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Explain the purpose of the kidneys, bladder, and urethra 2 Describe the excretory system 3 Demonstrate an understanding of the path of the excretory system" 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the structure of the urinary system. 2. Recall that urine is stored in the bladder. 3. Describe the function of the kidneys in filtering the bloodstream. 4. Describe the function of the skin in excretion
30	18 to 21 Dec 2024	<p>Chapter 20: Locomotion and Movement</p> <p>Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction;</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand types of muscles 2 Understand types of movement 3 Draw and explain the muscular and skeletal system 4 Describe and list the types of joints 5 Identify the disorders of muscular and skeletal system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain all the types of movement 2 Describe the mechanism of muscle contraction 3 Name and identify the bones of human skeletal system 4 Describe mechanism of the sliding filament theory 5 Describe role of calcium ions in muscle contraction 6 Identify and locate different types of joints and their locations <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>

31	23 to 28 Dec 2024	<p>Chapter 20: Locomotion and Movement</p> <p>skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand types of muscles 2 Understand types of movement 3 Draw and explain the muscular and skeletal system 4 Describe and list the types of joints. 5 Identify the disorders of muscular and skeletal system 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain all the types of movement 2 Describe the mechanism of muscle contraction 3 Name and identify the bones of human skeletal system 4 Describe mechanism of the sliding filament theory 5 Describe role of calcium ions in muscle contraction 6 Identify and locate different types of joints and their locations <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
32	2 to 4 Jan 2025	<p>Chapter 21: Neural Control and Coordination</p> <p>Neuron and nerves; Nervous system in humans - central nervous system</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 Understand Neural system 2 Draw and explain the Human neural system 3 Draw and explain Neuron as structural and functional unit of neural system 4 Understand the importance of Central nervous system 5 Understand the importance of Reflex action and reflex arc 6 Explain the structure and function of sensory reception and processing 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Explain how coordination maintains homeostasis 2 Describe the mechanism of generation and conduction of nerve impulse 3 Elaborate the concept of transmission of impulse through synapse. 4 Describe mechanism of generation and conduction of nerve impulse 5 Describe role of neurotransmitters in impulse conduction through synapse 6 Understand functions of different parts of brain. <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>

<p>33</p>	<p>6 to 11 Jan 2025</p>	<p>Chapter 21: Neural Control and Coordination eripheral nervous system and visceral nervous system; generation and conduction of nerve impulse</p>	<p>Enable the students to: 1 Understand Neural system 2 Draw and explain the Human neural system 3 Draw and explain Neuron as structural and functional unit of neural system 4 Understand the importance of Central nervous system 5 Understand the importance of Reflex action and reflex arc 6 Explain the structure and function of sensory reception and processing"</p>	<p>Students will be able to: 1 Explain how coordination maintains homeostasis 2 Describe the mechanism of generation and conduction of nerve impulse 3 Elaborate the concept of transmission of impulse through synapse. 4 Describe mechanism of generation and conduction of nerve impulse 5 Describe role of neurotransmitters in impulse conduction through synapse 6 Understand functions of different parts of brain.</p> <p>Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship</p>
<p>34</p>	<p>13 to 18 Jan 2025</p>	<p>Chapter 22: Chemical Coordination and Integration Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. Note: Diseases related to all the human physiological systems to be taught in brief</p>	<p>Enable the students to: 1 understand Endocrine glands and hormones 2 Identify and locate the glands in human endocrine system 3 Explain Hormones of heart, kidney and gastrointestinal tract 4 Discuss the mechanism of hormone action</p>	<p>Students will be able to: 1 Recognize the need for control and coordination in the body of various organisms. 2 Describe the methods of coordination in human body. 3 List various hormones and discuss about their functions. 4 Relate nervous system and endocrine system with the function of control and Coordination. 5 Identify the components of endocrine system. 6 Describe the location and structure of endocrine glands and recognize its function and relating to action. 7 Draw an outline diagram of human body and show the location of various endocrine glands. 8 List the hormones secreted by pituitary, thyroid and pancreas.</p>

35	20 to 25 Jan 2025	<p>Chapter 22: Chemical Coordination and Integration Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. Note: Diseases related to all the human physiological systems to be taught in brief</p>	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1 understand Endocrine glands and hormones 2 Identify and locate the glands in human endocrine system 3 Explain Hormones of heart, kidney and gastrointestinal tract 4 Discuss the mechanism of hormone action 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1 Recognize the need for control and coordination in the body of various organisms. Describe the methods of coordination in human body. 3 List various hormones and discuss about their functions. 4 Relate nervous system and endocrine system with the function of control and Coordination. 5 Identify the components of endocrine system 6 Describe the location and structure of endocrine glands and recognize its function and relating to action. 7 Draw an outline diagram of human body and show the location of various endocrine glands .8 List the hormones secreted by pituitary, thyroid and pancreas.
36	27 Jan to 1 Feb 2025	REVISION FOR TERM 2 (1/2-----12/2)		
37	2 to 9 Feb 2025	TERM 2		

Subject:- MATHS CORE

Book Followed:- R.D SHARMA

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	SETS	To enable students: to Understand the concept of 1.Set . 2.Representation of sets . 3.Various types of sets. 4.Sets relation. 5.subsets	Students will be able to explain about what is mean by set,How to represent set ,Various types of sets,Sets relation and How to form subsets of a given set
2	8 to 13 April 2024	SETS	To enable students: to Understand 1.How to represent sets through Venn diagrams. 2.Operation on sets . 3. Practical use of sets in solving problems .	Students will be able to explain How to represent sets through Venn diagrams,operation on sets and Practical use of sets in solving problems .
3	15 to 20 April 2024	RELATION AND FUNCTIONS	To enable students to Understand 1.The concept of Functions 2.How to find Domain and Range of function 3. main features of a function.	Students will be able to explain about Functions and how to find Domain and Range of function and main features of a function
4	22 to 30 April 2024	RELATION AND FUNCTIONS	To enable students to Understand 1.The Graph of a Real Function. 2.Operations on real functions 3.Composition of functions	Students will be able to draw /find The Graph of a Real Function, Operations on real functions and Composition of functions
5	15 to 22 June 2024	COMPLEX NUMBERS	To enable students to understand the concept of 1.Integral Powers of IOTA (i) 2.imaginary quantities. 3.Equality of complex numbers. 4.Addition of complex numbersProperties of addition of complex numbers . 5.Conjugate of complex numbers,Modulus of a complex number. 6.Properties of modulus,Reciprocal of a complex	Students will be able to explain Integral Powers of IOTA (i),imaginary quantities,Equality of complex numbers,Addition of complex numbersProperties of addition of complex numbers,Conjugate of complex numbers,Modulus of a complex number,Properties of modulus,Reciprocal of a complex number,Square roots of a complex number.

			number. 7.Square roots of a complex number.	
6	24 to 29 June 2024	COMPLEX NUMBERS	To enable students to understand the concept of 1.Representation of a complex number. 2.Argument or amplitude of a complex number for different signs of real and imaginary parts. 3.Polar or trigonometrical form of a complex number.	Students will be able to explain about Representation of a complex number,Argument or amplitude of a complex number for different signs of real and imaginary parts,Polar or trigonometrical form of a complex number.
7	1 to 6 July 2024	QUADRATIC EQUATION	To enable students to understand the concept of 1.Fundamental theorem of Algebra 2.Quadratic equation with real coefficient Quadratic equation with complex coefficients.	Students will be able to solve the questions based on Fundamental theorem of Algebra,Quadratic equation with real coefficient Quadratic equation with complex coefficients.
	8 to 11 July 2024	Revision		
	12 to 22 July 2024	PA1		
8	23 to 27 July 2024	LINEAR INEQUATIONS	To enable students to understand the concept of 1. Inequation 2.Linear inequation in one variable 3.Linear inequation in two variable 4.Solution of inequation 5. how to find the solution of linear Inequation in one variable 6.Application of linear inequation in one variable 7.Graphical solution of linear Inequation in two variable.	Students will be able to solve linear inequation in one variable,linear inequation in two variable,solution of inequation through line graph find the solution of linear Inequation in one variable,application of linear inequation in one variable,Graphical solution of linear Inequation in two variable
9	29 July to 3 August 2024	TRIGONOMETRIC FUNCTIONS	To enable students to understand the concept of 1.measurement of Angles 2.Trigonometric Functions 3.Values of Trigonometric functions.	Students will be able to solve the measurement of Angles ,TrigonometricFunctions,values of Trigonometric functions.

10	5 to 10 August 2024	TRIGONOMETRIC FUNCTIONS	To enable students to know that 1. How to draw the Graph of Trigonometric Functions 2.Values of Trigonometric functions at sum or difference of angles	Students will be able to draw the Graph of Trigonometric Functions, Values of Trigonometric functions at sum or difference of angles.
11	12 to 17 August 2024	TRIGONOMETRIC FUNCTIONS	To enable students to understand 1.The Transformation Formulae	Students will be able to solve Transformation formulae
12	19 to 24 August 2024	TRIGONOMETRIC FUNCTIONS PERMUTATIONS	To enable students to understand 1.The values of Trigonometric functions at multiples and submultiples of an angles 2.Fundamental Principles of counting 3. Practical problems on Permutation	Students will be able to solve values of Trigonometric functions at multiples and submultiples of an angles.
13	26 to 31 August 2024	PERMUTATIONS, COMBINATION	To enable students to understand the concept of 1. Permutations under certain conditions 2. Permutations of objects not all distinct & difference between a permutation and combination	Students will be able to solve questions using Fundamental Principles of counting and they will be able to solve practical problems on Permutation Students will be able to solve the questions based on Permutations under certain conditions, Permutations of objects not all distinct & difference between a permutation and combination.
	2 to 7 Sept. 2024	Revision		
	9 to 16 Sept. 2024	Revision		
	18 to 30 Sept. 2024	Term - I Examination		
14	1 to 10 Oct 2024	BINOMIAL THEOREM	To enable students to understand the concept of 1. Pascal's triangle 2. Binomial theorem 3. Application of Binomial.	Students will be able to solve problems based on Binomial theorem
	11 and 12 Oct 2024 Dussehra	Holidays		

15	14 to 19 Oct 2024	BINOMIAL THEOREM	To enable students to 1.Understand Application of Binomial	Students will be able to solve problem based on Application level of Binomial Theorem.
	29 Oct to 2 Nov 2024	Diwali Holidays		
16	21 to 28 Oct 2024	ARITHMETIC PROGRESSION	To enable students to Understand the properties of an 1.Arithmetic Progression 2. Arithmetic mean 3.Understand how to find the nth term and sum of n terms Arithmetic Progression	Students will be able to find the nth term and sum of n terms of Arithmetic Progression & Arithmetic mean find the nth term and sum of n terms of Arithmetic Progression & Arithmetic mean
17	4 to 9 Nov 2024	GEOMETRIC PROGRESSION	To enable students to Understand the 1.Properties of an Geometric Progression 2.Geometric mean	Students will be able to find nth term and sum of n terms of Geometric Progression & Geometric mean,Relationship between A.M and G.M
18	11 to 16 Nov 2024	THE STRAIGHT LINE	To enable students to understand the concept of 1.Slope of a line. 2.Angle between the lines. 3.Condition of parallelism of line 4.Condition of perpendicularity of two lines 5.Intercepts of a line on the axes	Students will be able to solve the problems based on Slope of a line,angle between the lines,condition of parallelism of line ,condition of perpendicularity of two lines and intercepts of a line on the axes
19	18 to 23 Nov 2024	THE STRAIGHT LINE	To enable students to understand the concept of 1.Different forms of the equation of a straight line,2.The intercept form of a line.3.Normal form of a line .4. Distance form of a line.5. Distance between parallel lines	Students will be able to solve problems based on Different forms of the equation of a straight line,the intercept form of a line,Normal form of a line , Distance form of a line and Distance between parallel lines
20	25 to 30 Nov 2024	CIRCLES	. To enable students to 1.Understand how to make standard equation of a circle . 2.General equation of a circle	. Students will be able to solve the problem based on standard equation of a circle and general equation of a circle
	2 to 9 Dec 2024	Revision		

	10 to 17 Dec	PA-2		
21	18 to 21 Dec 2024	PARABOLA, ELLIPSE	<p>. To enable students to understand</p> <ol style="list-style-type: none"> 1.The analytical definition of conic section 2.Equation of the Parabola in its Standard form. 3.Finding the equation of a Parabola when its Focus and Vertex are given 4.Finding the equation of a Parabola when its vertex and directrix are given. 5.Equation of the ellipse in standard form,Focal distance of a point on the ellipse and equation of Ellipse in other forms 	Students will be able to find the Equation of the Parabola in its Standard form,Finding the equation of a Parabola when its Focus and Vertex are given,Finding the equation of a Parabola when its vertex and directrix are given,Equation of the ellipse in standard form,Focal distance of a point on the ellipse and equation of Ellipse in other forms
22	23 to 28 Dec 2024	HYPERBOLA INTRODUCTION TO 3-D GEOMETRY	<p>To enable students to Understand</p> <ol style="list-style-type: none"> 1.How to form the equation of the Hyperbola in Standard form 2.Various element of Hyperbola 3.Finding the equation of a Hyperbola when its Focus,Directrix and Eccentricity are given . 4. Finding the equation of a Hyperbola when some of its parts are given. <p>To enable students to understand about</p> <ol style="list-style-type: none"> 1.Coordinates of a point in space 2.Sign of coordinates of a point. 3.Distance formula 4.Section formulae 	<p>Students will be able to form the equation of the Hyperbola in Standard form,Various element of Hyperbola,finding the equation of a Hyperbola when its Focus,Directrix and Eccentricity are given and finding the equation of a Hyperbola when some of its parts are given.</p> <p>Students will be able to identify Coordinates of a point in space and students will be able to solve problem based on Sign of coordinates of a point,Distance formula and Section formulae</p>
23	2 to 4 Jan 2025	LIMITS	<p>To enable students to understand how to evaluate left hand and right hand limit,indeterminate forms and evaluation of limits,rationalisationmethod,evaluation of trigonometric limits and evaluation of trigonometric limits when the variable tends to zero.</p>	<p>Students will be able to evaluate left hand and right hand limit,indeterminate forms and evaluation of limits,rationalisationmethod,evaluation of trigonometric limits and evaluation of trigonometric limits when the variable tends to zero.</p>

24	6 to 11 Jan 2025	DERIVATIVES	<p>Students will understand the concept of</p> <ol style="list-style-type: none"> 1. Derivative 2. Geometrical interpretation 3. Derivative at a point 4. fundamental rules for differentiation 5. product rule for differentiation and quotient rule for differentiation 	<p>Students will be able to find derivative, geometrical interpretation of derivative at a point, fundamental rules for differentiation, product rule for differentiation and quotient rule for differentiation</p>
25	13 to 18 Jan 2025	STATISTICS PROBABILITY	<p>To enable students to understand the method of</p> <ol style="list-style-type: none"> 1. Finding measure of dispersion 2. Mean deviation 3. Mean deviation for ungrouped data 4. Mean deviation of a discrete frequency distribution 5. Mean deviation of a grouped frequency distribution 6. variance and standard deviation <p>To enable students to understand the concept of</p> <ol style="list-style-type: none"> 1. Random experiment 2. Sample space 3. Events, Types of events, Axiomatic approach to probability 4. Probability of an event 5. Problem based on Combination or Selections 6. Addition theorems on Probability 	<p>Students will be able to find measure of dispersion, mean deviation, mean deviation for ungrouped data, mean deviation of a discrete frequency distribution, mean deviation of a grouped frequency distribution and variance and standard deviation</p> <p>Students will be able to solve the problems based on Random experiment, Sample space, Events, Types of events, Axiomatic approach to probability, Probability of an event, Problem based on Combination or Selections and Addition theorems on Probability</p>
26	19 to 25 Jan 2025	REVISION	REVISION	REVISION
27	27 to 1 Feb 2024	REVISION	REVISION	REVISION

Subject:- Accountancy

Book Followed:- T.S Grewal

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Unit 1- Introduction to Accounting	Accounting- concept, meaning, as a source of information, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information. Role of Accounting in Business.	Describe the meaning, significance, objectives, advantages and limitations of accounting in the modern economic environment with varied types of business and non-business economic entity - identify / recognise the individual(s) and entities that use accounting information for serving their needs of decision making.
2	8 to 13 April 2024	Unit 2- Basic Accounting Terms	Entity, Business Transaction, Capital, Drawings. Liabilities (Non Current and Current). Assets (Non Current, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount)	- explain the various terms used in accounting and differentiate between different related terms like current and non-current, capital and revenue. - give examples of terms like business transaction, liabilities, assets, expenditure and purchases. - explain that sales/purchases include both cash and credit sales/purchases relating to the accounting year. - differentiate among income, profits and gains.

3	15 to 20 April 2024	Unit 3 - Theory Base of Accounting Unit 4 - Basis of Accounting	<ul style="list-style-type: none"> - Fundamental accounting assumptions: GAAP: Concept, Basic accounting concept : Business Entity Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Objectivity, Accounting Standards: Applicability in IndAS- cash basis and accrual basis of Accounting 	<ul style="list-style-type: none"> - state the meaning of fundamental accounting assumptions and their relevance in accounting.- describe the meaning of accounting assumptions and the situation in which an assumption is applied during the accounting process.- explain the meaning, applicability, objectives, advantages and limitations of accounting standards.- appreciate that various accounting standards developed nationally and globally are in practice for bringing parity in the accounting treatment of different items.- acknowledge the fact that recording of accounting transactions follows double entry system.- explain the bases of recording accounting transaction and to appreciate that accrual basis is a better basis for depicting the correct financial position of an enterprise.
4	22 to 30 April 2024	Unit 5 - Accounting Equation Unit 6 - Accounting Procedure	<ul style="list-style-type: none"> - Accounting Equation Approach: Meaning and Analysis - Rules of Debit and Credit. 	<ul style="list-style-type: none"> - explain the concept of accounting equation and appreciate that every transaction affects either both the sides of the equation or a positive effect on one item and a negative effect on another item on the same side of accounting equation. - explain the effect of a transaction (increase or decrease) on the assets, liabilities, capital, revenue and expenses.
5	15 to 22 June 2024	Unit 8 - Recording of Transactions: Books of Original Entry	Journal	<ul style="list-style-type: none"> - Pass the Journal entries following the golden rules of Accounting.

6	24 to 29 June 2024	Unit 9 – Ledger Unit 12 - GST	- Format, Posting from journal and subsidiary books, Balancing of accounts- Characteristics, Advantages and simple calculation of GST- GST Set off	- appreciate that for ascertaining the position of individual accounts.- transactions are posted from subsidiary books and journal proper into the concerned accounts in the ledger and develop the skill of ledger posting.- develop the understanding of recording of transactions in journal with GST.- Explain the meaning, advantages and characteristic of GST.- Develop the understanding of setting off Input GST against Output GST
7	1 to 6 July 2024	Unit 10 - Special Purpose books I: Cash Book	Simple cash book with bank column and petty cashbook	- explain the purpose of maintaining a Cash Book and develop the skill of preparing the format of different types of cash books and the method of recording cash transactions in Cash book.
8	8 to 11 July 2024	Revision for PA 1		
9	12 to 22 July 2024	PA--1		
10	23 to 27 July 2024	Unit 11 - Special Purpose books II : Other Books	- Purchases book - Sales book - Purchases return book - Sales return book - Journal proper	- describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books .
11	29 July to 3 August 2024	Unit 7 - Source documents and Preparation of Vouchers	Cash Memo, Invoice, Debit note, Credit Note, Debit and Credit Voucher, Transfer Voucher	Appreciate that on the basis of source documents, accounting vouchers are prepared for recording transaction in the books of accounts.
12	05 to 10 August 2024	Unit 13 - Bank Reconciliation Statement - Favourable Balance	Need and preparation, Bank Reconciliation Statement	- appreciate that at times bank balance as indicated by cash book is different from the bank balance as shown by the pass book / bank statement and to reconcile both the balances, bank reconciliation statement is prepared. - develop understanding of preparing bank reconciliation statement.

13.	12 to 17 August 2024	Unit 13 - Bank Reconciliation Statement - Unfavourable Balance	preparation of Bank Reconciliation Statement in case of Overdraft	- develop understanding of preparing bank reconciliation statement in case of Overdraft
14	19 to 24 August 2024	Unit 16 - Provisions and Reserves	<ul style="list-style-type: none"> - Provisions, Reserves, Difference Between Provisions and Reserves -Types of Reserves: <ul style="list-style-type: none"> i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve - Difference between capital and revenue reserve 	<ul style="list-style-type: none"> - appreciate the need for creating reserves and also making provisions for events which may belong to the current year but may happen in next year. - appreciate the difference between reserve and reserve fund
15	26 to 31 August 2024	Unit 15 - Depreciation -	<ul style="list-style-type: none"> - Difference between SLM and WDV; Advantages of SLM and WDV - Method of recoding depreciation - Charging to asset account 	<ul style="list-style-type: none"> - explain the necessity of providing depreciation and develop the skill of using different methods for computing depreciation. - understand the accounting treatment of providing depreciation directly to the concerned asset account
16	02 to 07 Sept 2024	Unit 15 - Depreciation	<ul style="list-style-type: none"> - Method of recoding depreciation - provision for depreciation/accumulated depreciation account - Treatment of disposal of asset 	<ul style="list-style-type: none"> - understand the accounting treatment of providing depreciation by creating provision for depreciation account. - appreciate the method of asset disposal through the concerned asset account or by preparing asset disposal account
17	09 to 16 Sept 2024	REVISION FOR TERM 1		
18	18 to 30 Sept 2024	Term 1 exam		
19	01 to 10 Oct 2024	Unit 14- Trial balance	objectives, meaning and preparation of Trial balance	- state the need and objectives of preparing trial balance and develop the skill of preparing trial balance.
	11 and 12 Oct 2024 Dussehra Holidays			

20	14 and 19 Oct 2024	Unit 17 - Rectification of Errors- Types of Error	- Errors: classification-errors of omission, commission, principles, and compensating; their effect on Trial Balance.	- appreciate that errors may be committed during the process of accounting. - understand the meaning of different types of errors and their effect on trial balance
21	21 and 28 Oct 2024	Unit 17 - Rectification of Errors- Rectification entries	- Detection and rectification of errors; (i) Errors which do not affect trial balance (ii) Errors which affect trial balance - preparation of suspense account	- develop the skill of identification and location of errors and their rectification and preparation of suspense account.
	29 Oct to 02 Nov 2024 Diwali Holidays			
22	04 to 09 Nov 2024	Unit 18 - Financial Statements of Sole Proprietorship - Basics	Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure; opening journal entry	- state the meaning of financial statements the - purpose of preparing financial statements. - pass opening journal entries
23	11 to 16 Nov 2024	Unit 18 - Financial Statements of Sole Proprietorship - Preparation of Financial Statements	Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit. Preparation. Balance Sheet: need, grouping and marshalling of assets and liabilities.	- state the meaning of gross profit, operating profit and net profit and develop the skill of preparing trading and profit and loss account. - explain the need for preparing balance sheet. - understand the technique of grouping and marshalling of assets and liabilities.
24	18 to 23 Nov 2024	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance	Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance	- develop the understanding and skill to do adjustments for items and their presentation in financial statements like closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance
25	25 to 30 Nov 2024	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - depreciation, bad debts, provision for doubtful debts	Adjustments in preparation of financial statements with respect to depreciation, bad debts, provision for doubtful debts	- develop the understanding and skill to do adjustments for items and their presentation in financial statements like depreciation, bad debts, provision for doubtful debts
26	02 to 09 Dec 2024	Revision for PA-2		

	10 to 17 Dec 2024	PA II		
27	18 to 21 Dec 2024	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - provision for discount on debtors, Abnormal loss	Adjustments in preparation of financial statements with respect to provision for discount on debtors, Abnormal loss	- develop the understanding and skill to do adjustments for items and their presentation in financial statements like provision for discount on debtors, Abnormal loss
28	23 to 28 Dec 2024	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - Goods taken for personal use/staff welfare, interest on capital and managers commission	Adjustments in preparation of financial statements with respect to Goods taken for personal use/staff welfare, interest on capital and managers commission	- develop the understanding and skill to do adjustments for items and their presentation in financial statements like Goods taken for personal use/staff welfare, interest on capital and managers commission
29	02 to 04 Jan 2025	Unit 19 - Financial Statements of Sole Proprietorship with adjustments- Preparation of Trading and Profit and Loss account	Adjustments in preparation of Trading and Profit and Loss account	- develop the understanding and skill to do adjustments in preparation of Trading and Profit and Loss account
30	06 to 11 Jan 2025	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - Preparation of Balance Sheet	Adjustments in preparation of Balance Sheet	- develop the understanding and skill to do adjustments in preparation of Balance Sheet
31	13 to 18 Jan 2025	Unit 19 - Financial Statements of Sole Proprietorship with adjustments - Comprehensive Problems	comprehensive problems	- develop the understanding and skill to prepare Trading and Profit and Loss account and Balance Sheet with necessary adjustments
32	20 to 25 Jan 2025	Unit 20 - Financial Statements Incomplete Records(excluding conversion method)	Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method.	develop the understanding and skill to calculate profit or loss from Incomplete records
33	27 to 01 Feb 2025	Revision for Term 2		
34	03 Feb to 08 Feb 2025	Revision for Term 2		
35	11 Feb to 22 Feb 2025	Annual Exam		

Subject:- Business Studies (054)

Book Followed:- By Poonam Gandhi (Reference book) / NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Unit 1: Evolution and Fundamentals of Business	To enable the students to: 1. Designate them about Business meaning and characteristics , 2. Concept of Business, profession and employment.	Students will be able to: 1.Explain the meaning of business with special reference to economic and non-economic activities. 2. Discuss the characteristics of business
2	8 to 13 April 2024	Unit 1: Evolution and Fundamentals of Business	To enable the students to: 1.Elucidate them Objectives of business, Classification of business activities - Industry and Commerce, 2.Explain them Industry-types: primary, secondary, tertiary, Meaning and subgroups	Students will be able to: 1. Appreciate the economic and social objectives of business 2. .Examine the role of profit in business. Understand the broad categories of business activities-industry and commerce. and the various types of industries.
3	15 to 20 April 2024	Unit 1: Evolution and Fundamentals of Business	To enable the students to: 1. Demonstrate them about Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – 2. Also meaning of Business risk-Concept	Students will be able to: 1. Discuss the meaning of commerce, trade and auxiliaries to trade. 2. Discuss the meaning of different types of trade and auxiliaries to trade. 3. Examine the role of commerce trade and auxiliaries to trade.
4	22 to 30 April 2024	Unit 2: Forms of Business organizations	To enable the students to: 1. Contrast them about the concept of Sole Proprietorship-Concept, merits and limitations,Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners	Students will be able to: 1. List out them the different forms of business organizations and understand their meaning. 2. Identify and explain the concept, merits and limitations of Sole Proprietorship. Identify and explain the concept, merits and limitations of a Partnership firm. 3. identify types of partnership on the basis of duration and on the basis of liability.State the need for registration of a partnership firm.Discuss types of partners – active,sleeping, secret, nominal and partner by estoppel.

5	15 to 22 June 2024	Unit 2: Forms of Business organizations	To enable the students to: 1. Contrast them about the concept of Hindu Undivided Family Business: Concept ,Cooperative Societies- Concept, merits, and limitations, Company - Concept, merits and limitations;Types: Private, Public and One Person Company – Concept	Students will be able to: 1. Appraise them the concept of Hindu Undivided Family Business. Identify and explain the concept, merits and limitations of Cooperative Societies. 2. Understand the concept of consumers, producers, marketing, farmers, credit and housing cooperatives. Identify and explain the concept, merits and limitations of private and public companies. Understand the meaning of one person company. Distinguish between a private company and a public company.
6	24 to 29 June 2024	Unit 2: Forms of Business organizations	To enable the students to: 1. Illustrate them the Formation of company - stages, important documents to be used in formation of a company, Choice of form of business organization	Students will be able to: 1. Highlight the stages in the formation of a company. 2. Explain the important documents used in the various stages in the formation of a company. 3. Distinguish between the various forms of business organizations. 4. Explain the factors that influence the choice of a suitable form of business organization.
7	1 July to 6 July 2024	Unit 6: Social Responsibility of Business and Business Ethics	To enable the students to: 1. Concept of social responsibility, Case of social responsibility	Students will be able to: 1. demonstrate the concept of social responsibility so they can examine the case for social responsibility.
8	6 to 8 July 2024	Unit 6: Social Responsibility of Business and Business Ethics	To enable the students to: 1. illustrate the Responsibility towards owners, investors, consumers, employees, government and community., Role of business in environment protection, 2. Conceptual about Business Ethics and Elements	Students will be able to: 1. Identify the social responsibility towards different interest groups. Appreciate the role of business in environment protection. State the concept of business ethics. 2. Describe the elements of business ethics.
9	08 to 11 July 2024	REVISION FOR PA 1 (PA 1 --08/7 to 11/7)	REVISION FOR PA 1 (PA 1 --08/7 to 11/7)	REVISION FOR PA 1 (PA 1 --08/7 to 11/7)
	PA – 1 12/7 to 22/7	PA -1 12/7 to 22/7	PA – 1 12/7 to 22/7	PA – 1 12/7 to 22/7
10	23 to 27 July 2024	Unit 4: Business Services	To enable the students to: 1. Designate the Business services – meaning and types. Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit account	Students will be able to: 1. quote the meaning and types of business services. 2. Discuss the meaning and types of Business service Banking. Develop an understanding of difference types of bank account.

11	29 to 03 Aug 2024	Unit 4: Business Services	To enable the students to: 1. Explain the Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments	Students will be able to: 1. Develop an understanding of the different services provided by banks
12	05 July to 10 Aug 2024	Unit 4: Business Services	To enable the students to: 1. Elucidate the Insurance – Principles. Types – life, health, fire and marine insurance – concept, Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning	Students will be able to: 1. Recall the concept of insurance. Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima as principles of insurance. Discuss the meaning of different types of insurance-life, health, fire, marine insurance and understand the utility of different telecom services
13	12 to 17 August 2024	Unit 7: Sources of Business Finance	To enable the students to: 1. Designate the concept of business finance, Owners' funds- equity shares, preferences share, retained earnings	Students will be able to: 1. State the meaning, nature and importance of business finance.
14	19 to 24 August 2024	Unit 7: Sources of Business Finance	To enable the students to: 1. classify the Borrowed funds- debentures and bonds, loan from financial institution	Students will be able to: 1. Explain the various sources of funds into owners' funds. State the meaning of owners' funds.
15	26 to 31 August 2024	Unit 7: Sources of Business Finance	To enable the students to: 1. Theorize the concept of commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD).	Students will be able to: 1. State the meaning of borrowed funds. 2. Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits. 3. Distinguish between owners' funds and borrowed funds.
16	02 Sept to 07 Sept 2024	Unit 5: Emerging Modes of Business	To enable the students to: 1. Explain the E - business: concept, scope and benefits	Students will be able to: 1. explain the meaning of e-business, and the scope of e-business 2. .Appreciate the benefits of e-business
17	02 to 07 Sept 2024	Unit 5: Emerging Modes of Business	To enable the students to: 1. Describe the E - business: concept, scope and benefits	Students will be able to: 1. Distinguish e-business from traditional business.

18	09 to 16 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
19	18 to 30 Sept 2024	Term 1 exam	Term 1 exam	Term 1 exam
20	01 to 10 Oct 2024	Unit 3: Public, Private and Global Enterprises	To enable the students to: 1. Recall the Public sector and private sector enterprises – Concept	Students will be able to: 1. Develop an understanding of Public sector and private sector enterprises
21	01 to 10 Oct 2024	Unit 3: Public, Private and Global Enterprises	To enable the students to: 1. Categories the Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company	Students will be able to: 1. Identify and explain the features, merits and limitations of different forms of public sector enterprises
22	01 to 10 Oct 2024	Unit 3: Public, Private and Global Enterprises	To enable the students to: 1. Devise the Global Enterprises – Feature. Public private partnership – concept	Students will be able to: 1. Develop an understanding of global enterprises, public private partnership by studying their meaning and features.
	11- 12 Oct 2024 Dussehra Break			
23	14 to 19 Oct 2024	Unit 8: Small Business and Enterprises	To enable the students to: 1. Explain the Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship	Students will be able to: 1. interpret the concept of Entrepreneurship Development (ED), Intellectual Property Rights
24	21 to 28 Oct 2024	Unit 8: Small Business and Enterprises	To enable the students to: 1. Define the Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act)	Students will be able to: 1. Understand the meaning of small business
	Diwali break 29 -02 Nov 2024			

25	04 Nov to 09 Nov 2024	Unit 8: Small Business and Enterprises	To enable the students to: 1. Role of small business in India with special reference to rural areas, Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas	Students will be able to: 1. Appreciate the various Government schemes and agencies for development of small scale industries. NSIC and DIC with special reference to rural, backward area.
26	11 to 16 Nov 2024	Unit 8: Small Business and Enterprises	To enable the students to: 1. Role of small business in India with special reference to rural areas, Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas	Students will be able to: 1. Appreciate the various Government schemes and agencies for development of small scale industries. NSIC and DIC with special reference to rural, backward area.
27	18 to 23 Nov 2024	Unit 9: Internal Trade	To enable the students to: 1. Enrol the Internal trade - meaning and types services rendered by a wholesaler and a retailer	Students will be able to: 1. State the meaning and types of internal trade. 2. Appreciate the services of wholesalers and retailers.
28	25 to 30 Nov 2024	Unit 9: Internal Trade	To enable the students to: 1. Explanation Types of retail-trade-Itinerant and small scale fixed shops retailers	Students will be able to: 1. Contrast the different types of retail trade.
29	25 to 30 Nov 2024	Unit 9: Internal Trade	To enable the students to: 1. Know about the Large scale retailers- Departmental stores, chain stores - concept	Students will be able to: 1. Highlight the distinctive features of departmental stores, chain stores and mail order business.
30	25 to 30 Nov 2024	Unit 9: Internal Trade	To enable the students to: 1. Identify the GST (Goods and Services Tax): Concept and key-features	Students will be able to: 1. Elucidate the concept of GST
31	02 to 09 Dec 2024	REVISION FOR PA II	REVISION FOR PA II	REVISION FOR PA II
	PA II -10/12--17/12	PA II -10/12--17/12	PA II -10/12--17/12	PA II -10/12--17/12
32	18 to 21 Dec 2024	Unit 10: International Trade	To enable the students to: 1. Theorize the International trade: concept and benefits	Students will be able to: 1. Understand the concept of international trade, the scope of international trade to the nation and business firms.

33	23 to 28 Dec 2024	Unit 10: International Trade	To enable the students to: 1. Theorize the Export trade – Meaning and procedure	Students will be able to: 1. State the meaning and objectives of export trade. 2. Explain the important steps involved in executing export trade
34	2 to 4 Jan 2025	Unit 10: International Trade	To enable the students to: 1. Theorize the Import Trade - Meaning and procedure	Students will be able to: 1. State the meaning and objectives of import trade. 2. Discuss the important steps involved in executing import trade.
35	6 to 11 Jan 2025	Unit 10: International Trade	To enable the students to: 1. Illustrate the Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)	Students will be able to: 1. Develop an understanding of the various documents used in international trade. 2. Identify the specimen of the various documents used in international trade.Highlight the importance of the documents needed in connection with international trade transactions
36	13 to 18 Jan 2025	Unit 10: International Trade	To enable the students to: 1. Explain the World Trade Organization (WTO) meaning and objectives	Students will be able to: 1. State the meaning of World Trade Organization.Discuss the objectives of World Trade Organization in promoting international trade.
37	20 Jan. to 11 Feb. 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2
38	20 Jan. to 11 Feb. 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2

Subject:- Political Science

Book Followed:-

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	part 1 ch 1 Constitution 1 Why do we need a Constitution ? 2. Specification of decision making power . 3. Aspiration and goals of Society 4. Fundamental Identity of a People.	Enable the students to: 1.with an overview of the Indian constitution, it talks about its history, features and all the institutional arrangements done by the drafting committee. 2 We also highlight the borrowed features and various institutional bodies that played a major role in the making of the Indian Constitution.	Students will be able to: 1.The students will understand the historical process and circumstances in which the constitution was drafted 2. Enable to identify certain key features Constitution why and how of the constitution 3.Understanding the rights and duties for a citizen in India . 4. Analyse the working of the constitution in real life . 5Understand different themes and thinkers associated with the real life. 6.Develop the skill of logical reasoning .
2	8 to 13 April 2024	part 1 ch 1 Constitution		Understanding the rights and duties for a citizen in India . Analyse the working of the constitution in real life . Understand different themes and thinkers associated with the real life. Develop the skill of logical reasoning .
3	15 to 20 April 2024	ch 2 Elecction and Representation	Enable the students to: 1.India is a constitutional democracy with a parliamentary system of government, and at the heart of the system is a commitment to hold regular, free and fair elections. 2. These elections determine the composition of the government, the membership of the two houses of parliament, the state and union territory legislative assemblies, and the Presidency and vicepresidency.	

			<ul style="list-style-type: none"> • These elections determine the composition of the government, the membership of the two houses of parliament, the state and union territory legislative assemblies, and the Presidency and vicepresidency. 2.Elections in India are events involving political mobilization and organizational complexity on an amazing scale. 	the students will be able to understand 1.about the complete process about of election process and will try to become a leader of india .
4	22 to 30 April 2024	ch 2 Elecction and Representation	.....	.....
5	15 to 22 june 2024	ch 3 the Legislatuhcre	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1.The importance of the legislature. 2. the functions and powers of the Parliament of India; 3 the law making procedure; 4 how the Parliament controls the executive; 5 how the Parliament regulates itself. 	<p>the students will be able to understand</p> <ol style="list-style-type: none"> 1.that how to describe the role of the legislative branch in the American political system, as well as the role of committees within both houses. 2. compare the powers of the legislative branch to that of other branches of government 3. describe the process by which a bill becomes a law in the United States
6	24 to 29 June 2024	ch 3 the Legislatuhcre	.....	.....
7	1 July to 6 th july 2024	ch 4 the Excutive	<p>Enable the students to:</p> <ol style="list-style-type: none"> 1..Understand meaning of executive and types of executives-presidential and parliamentary executives. 2 Understand about Parliamentaryexecutive in India . 3.Makea distinction between the parliamentaryand the presidential system . 4. Understand Power and position of president . 5 Recognized is cretionary powers of the president. 	
8	8 to 11 July 2024	Revision Test I		
9	12 to 22July 2024	Test I		
10				
11	23 to 27 July 2024	ch 4 the Excutive		

12	29 July to 3 Aug 2024	ch 5 the Judiciary	<p>Enable the Students to</p> <ol style="list-style-type: none"> 1..Importance of Independence of Judiciary 2.Other organs of the government should not interfere with the decision of the judiciary . 3.Procedure of Appointment and removal of judges 4.Structure of the judiciary Supreme Court, High Court, District Court, Subordinate courts 5.Jurisdiction of Supreme Court Original, Appellate and Advisory, Special Powers 6.Students will be able to identify relation between Judiciary and people . 	<p>the students will be able to understand</p> <ol style="list-style-type: none"> 1. they will explore Judicial Activism PIL (Public interest litigation). 2.to analyze that Supreme Court as the protector of fundamental rights and interpreter of constitution. 3 to judge that through judiciary almost all the conflicts and disputes are solved.
13	5 to 10 August 2024	ch 5 the Judiciary	...	.....
14	12 to 17 August 2024	ch .6 Federalism	<p>.Enable the Students to</p> <ol style="list-style-type: none"> 1.Federalism as a institutional mechanism to accommodate two levels of government 2The powers involved in the relations between the centre and the States;- Union list, State list, concurrent list and residuary powers. 3.The federal provisions in the Indian Constitution 4.The special provisions for certain States having a distinct composition and Historical features. 	<p>Students will be able to understand</p> <ol style="list-style-type: none"> 1. come to recognize about the conflicts in India's federal system- 2. Centre state relations, 3.Demands for autonomy, 4. Role of Governor's and president's rule, 5. Demands for new states, 6. Interstate Conflicts, 7.Special provisions-Jammu and Kashmir (article 370)
15	19 to 24 August 2024	ch .6 Federalism	.....	.....
16	26 to 31 Aug 2024	ch. 7 Local Governments	<p>Enable the Students to</p> <ol style="list-style-type: none"> 1. .Importance of local governing bodies in India 2..Involvement of common citizens in decision making 3. 3rd and 74th amendments aimed at strengthening local governments and ensuring uniformity 4. Three tier structure-Gram panchayats, Janpad panchayat 	<p>Students will be able to understand</p> <ol style="list-style-type: none"> 1. analyze the problems faced by the Panchayats before 73rd and 74th amendment. 2.Students will be able to relate the Elections with Reservations, and Transfer of subjects system followed in local self government. 3.Students will come to identify powers of State election commissioners and State finance commission .
17	2 to 7 Sept 2024	ch. 7 Local Governments	.....to be continued same as above	.....
18	9 to 16 Sept	Revision Term I		

	2024			
19	18 to 30 Sept 2024	TERM I		
20	1 to 10 october . 2024	ch. 8 Political Theory an Introduction	<p><u>Enable the.Students to</u> 1. to know different ideas about what politics is. 2. Students will understand that politics as an important and integral part of any society. 3. Students identify the views of political thinkers about politics 4. Students will be able to understand ideas and principles that shape constitutions, governments and social life in a systematic manner</p>	<p>Students will be able to understand 1. justify the reasons to study political theory. 2. Students will be able to explain the ways to put political theory to practice.</p>
	11 to 12 october dashahra			
21	14 to 19 Oct 2024	ch. 8 Political Theory an Introduction	...	.....
22	21 to 28 Oct 2024	ch 9 Liberty	<p>enable the students to -1. Identify the Statue of Liberty 2. list key characteristics of the Statue of Liberty 3. discuss the significance of the Statue of Liberty in America</p>	<p>Students will be able to understand -1. The importance of liberty is introduced by briefing the meaning and various views of exponents of liberty. 2. While learning the classification of liberty students, are actually introduced to different forms of freedom and they way state views liberty. 3. The concept of liberty is so important that it helps every citizen realize the value of freedom in a society where state is empowered with constitutional authority.</p>
	29 octo to 2 nd nov diwali			
23	4 to 9 nov 2024	ch 9 Liberty	.....	.....
24	11 to 16 nov 2024	ch 10 Equality		
25	18 to 23 Nov 2024	ch 10 Equality		

26	25 to 30 Nov 2024	Ch 11 Justice	<p>enable the students to</p> <ol style="list-style-type: none"> 1.Views on Justice as Plato discussed in his book -The Republic 2.Three principles of Justice a. Equal Treatment for Equals 3..ProportionateJustice 4. Recognition of Special Needs 5 Just distribution of Goods and Services in the society. 6.John Rawls's theory of Justice 7.Pursuing Social Justice by providing people with basic minimumc 	
27	2 to 9 dec 2024	Ch 11 Justice		<p>Students will be able to understand</p> <ol style="list-style-type: none"> 1.Views on Justice as Plato discussed in his book-The Republic 2.Three principles of Justice a. Equal Treatment for Equals 3.Proportionate Justice 4 Recognition of Special Needs 5.Just distribution of Goods and Services in the society. 6.John Rawls's theory of 7.Pursuing Social Justice by providing people with basic minimum conditions
	10 to 17 december 2024		PA 2	
28	18 to 21 DEC 2024	ch 12 Rights	<ol style="list-style-type: none"> 1.Studentswillbeabletounderstand thatRightsasajustifiedclaims 2.StudentswillknowabouttheArgumentsofpolitic altheoriststhatrightsaregivenbygod. 3.Studentswillknowabout relationshipbetweenRightsand responsibilities 	
				<p>Studentswillstatethatrightsarenecessaryforleadinga decentlife. 2.Studentswillableto analyzethatrightsarenotselfishclaimTheyareavailab letoallwithoutany discrimination</p>
29	23 to 28 Dec 2024	ch 12 Rights	To be continued as above	
30	2 TO 4 JAN			

	2025			
	6 to 11 jan 2025			
31	13 to 18 jan 2025	ch 13 Citizenship	<p>enable the students to</p> <ul style="list-style-type: none"> 1. Citizenship as full and equal membership of a political community 2. Citizen and Nation-allows all citizens to identify themselves as part of the nation 3. Universal citizenship-linking people across national boundaries through means of transport and communication 	<p>.Students will be able to understand</p> <ul style="list-style-type: none"> 1 analyze the concept of global citizenship reminds that national citizenship might need to be supplemented by an awareness that we live in an interconnected world. 2. Students will be able to justify that citizenship as a set of interrelated rights
32	20 to 25 jan 2025	ch 14 Nationalism	<p>... Enable the Students to</p> <ul style="list-style-type: none"> 1. The concept of Nation and Nationalism 2. Unification of small kingdoms into large nation states 3. Understand about common assumptions which people make about the nation-shared beliefs, history, territory, shared political ideals, Common Political identity 4. Understand about National self-determination-one culture one state	.....
33	27 jan to 1 st feb 2025	ch 15 Secularism	<p>. enable the .Students to</p> <ul style="list-style-type: none"> 1. Meaning of secularism 2. Secularism as opposition to intra-religious domination 3. In Western model of Secularism there is no interference of state in religion and no interference of religion in state affairs 4. In Indian model of secularism there is equal respect and dignity for all 5. Criticisms of Indian secularism Antireligious, Western import, Minorities, Interventionist, Vote bank politics, Impossible project 	<p>Students will be able to understand</p> <ul style="list-style-type: none"> 1. evaluate that the Indian constitution has an elaborate set of provisions for the protection of religious, linguistic and cultural minorities
34			.....	...
35				<ul style="list-style-type: none"> 1. Students will be able to understand 1. justify that Secular state is a way of preventing religious discrimination and to work together for mutual understanding 2. Students will appreciate secularism in a democratic society

Subject:- HISTORY

Book Followed:- NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Introduction to World History (a) Views on the origin of human beings.	Enable the students to: To get an idea about world history as they are new to the topics..	At the completion of this unit students will be able to: ● To learn about the meaning and significance of periods in World History. Relate with the definition of the term- History
2	8 to 13 April 2024	SECTION- A EARLY SOCIETIES Introduction (b) Early societies. (c) Historians' views on present-day gathering-hunting societies TIMELINE-I	Enable the students to: ● Familiarize the learner with ways of reconstructing human evolution. Discuss whether the experience of present-day hunting gathering people can be used to understand societies. early.	At the completion of this unit students will be able to: ● To understand the formation of earliest social groups and development of their culture. ● Place and identify historical events in a chronological sequence. (600 MYA to 1BCE)
3	15 to 20 April 2024	THEME-2 Writing and City Life Focus: Iraq, 3rd millennium BCE a) Growth of towns	Enable the students to: ● Familiarize the learner with the nature of early urban Centres.	At the completion of this unit students will be able to: ● Compare and analyze the transformation from Neolithic to Bronze Age Civilization in order to understand the myriad spheres of human development.
4	22 to 30 April 2024	THEME-2 Writing and City Life Focus: Iraq, 3rd millennium BCE b) Nature of early urban societies	Enable the students to: ● Discuss whether slavery was a significant element in the economy	At the completion of this unit students will be able to: ● Elucidate the interwoven social and cultural aspects of civilization in order to understand the connection between city life and culture of contemporary civilizations.

5	15 to 22 June 2024	THEME-2 Writing and City Life Focus: Iraq, 3rd millennium BCE c) Historians' Debate on uses of writing	Enable the students to: ● Discuss whether writing is significant as a marker of civilization	At the completion of this unit students will be able to: ● Analyze the outcomes of a sustained tradition of writing. ● Appreciate the interwoven social and cultural aspects of human development and discover writing as a marker of civilization. .
6	24 to 29 June 2024	SECTION-II THEME3 - An Empire Across Three Continents Focus: Roman Empire- 27 BCE to 600 CE Introduction TIMELINE-II a) Political evolution b) Economic Expansion	Enable the students to: ● Familiarize the learner with the history of a major world empire	At the completion of this unit students will be able to: ● Explain and relate the dynamics of the Roman Empire in order to understand their polity, economy, society and culture. ● Analyze the implications of Roman's contacts with the subcontinent Empires ● Place and identify historical events in chronological sequence. (100 BCE to 1300CE)
7	1 to 6 July 2024	THEME 3 - An Empire Across Three Continents Focus: Roman Empire- 27 BCE to 600 CE c) Religion-culture foundation d) Late Antiquity e) Historians' view on the Institution of Slavery	Enable the students to: ● Discuss whether slavery was a significant element in the economy.	At the completion of this unit students will be able to: ● Examine the domains of cultural transformation in that period ● Realize and associate with the prevalence of slavery as a social practice in the ancient world.
8	8 to 11 July 2024	REVISION FOR PA 1	REVISION FOR PA 1	REVISION FOR PA 1

8	12 to 22 July 2024	PA-I Project Work	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Develop skill to gather data from a variety of sources, investigate diverse viewpoints and arrive at logical deductions. ● Develop skill to comprehend, analyze, interpret, evaluate historical evidence, and understand the limitation of historical evidence. ● Develop 21st century managerial skills of co-ordination, self-direction, and time management. ● Learn to work on diverse cultures, races, religions, and lifestyles. ● Learn through constructivism-a theory based on observation and scientific study. ● Inculcate a spirit of inquiry and research. 	<p>Students will be able to complete introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.</p>
9	23 to 27 July 2024	THEME-5 NOMADIC EMPIRES Focus: The Mongol, 13th to 14th century a) The nature of nomadism	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Familiarize the learner with the varieties of nomadic society and their institutions. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Identify the living patterns of a nomadic pastoralist society.
10	29 July to 3 Aug. 2024	THEME-5 NOMADIC EMPIRES Focus: The Mongol, 13th to 14th century b) Formation of empires c) Conquests and relations with other states	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Discuss whether state formation is possible in nomadic societies ● Familiarize the learner with the nature of the economy and society of this period and the changes within them. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Trace the rise and growth of Genghis Khan to recognize him as an oceanic ruler.
11	5 to 10 Aug 2024	THEME-5 NOMADIC EMPIRES Focus: The Mongol, 13th to 14th century d) Historians' views on nomadic societies and state formation	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Show how the debate on the decline of feudalism helps in understanding processes of transition. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Analyze the socio- political and economic changes that occurred during the rule of Mongols. ● Distinguish between the Mongolian people's perspective and the world's opinion about Genghis Khan.

12	12 to 17 August 2024	<p>SECTION-III Changing Traditions</p> <p>Introduction TIMELINE-III</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Place and identify historical events in a chronological sequence (c. 1300 to 1700) 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> Analyze the 14th century crisis & the rise of nation-states
13	19 to 24 August 2024	<p>THEME-6 The Three Orders Western Europe 13th to16th century-An introduction to Feudalism</p> <p>Focus: Western Europe 13th16th century</p> <p>a) Feudal society and economy b) Formation of state</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Familiarize the learner with the nature of the economy and society of this period and the changes within them. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> Explain the myriad aspects of feudalism with special reference to first, second, third and fourth order of the society. Explain the aspects of a feudalsystem.
14	26 to 31 August 2024	<p>THEME-6 The Three OrdersWestern Europe 13th to16th century-An introduction toFeudalism Focus: Western Europe 13th16th century c) Church and society d) Historians' views on decline of feudalism</p>	<p>Enable the students to:• Show how the debate on the decline of feudalism helps in understanding processes of transition.</p>	<p>At the completion of this unit students will be able to: • Assess the economic and social relations that prevailed in Europe. • Analyze the 14th century crisis & the rise of nation-states</p>
15	2 to 7 Sept. 2024	<p>THEME-7 Changing Cultural Traditions Focus: Europe 14th-17th century</p> <p>a) New ideas and new trends in literature and arts</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Explore the intellectual trends in the period. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> Analyze the causes, events, and effects of the Renaissance, Reformation, Scientific Revolution, and Age of Exploration. Relate the different facets of Italian cities to understand the characteristics of Renaissance Humanism and Realism.
16	9 to 16 Sept 2024	TERM 1 REVISION	TERM 1 REVISION	TERM 1 REVISION
17	18 to 30 Sept 2024	TERM 1 EXAM	TERM 1 EXAM	TERM 1 EXAM

18	1 to 10 Oct 2024	<p>THEME-7 Changing Cultural Traditions Focus: Europe 14th-17th century</p> <p>b) Relationship with earlier ideas c) The contribution of West Asia d) Historians' viewpoint on the validity of the notion 'European Renaissance'</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Familiarize students with the paintings and buildings of the period. ● Introduce the debate around the idea of 'Renaissance'. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Compare and contrast the condition of women in the Renaissance period. ● Recognize major influences on the architectural, artistic, and literary developments in order to understand the facades of Renaissance. ● Critical analysis of the Roman Catholic Church by Martin Luther and Erasmus and their impact on later reforms. ● Evaluate the Roman Catholic Church's response to the Protestant Reformation in the forms of the Counter and Catholic Reformations
19	11,12 Oct.2024	Dussehra Holidays		
20	14 to 19 Oct 2024	<p>SECTION-IV TOWARDS MODERNISATION Introduction TIMELINE-IV</p>	<p>Enable the students to: Place and identify historical events in a chronological sequence (c, 1700 CE to 2000 CE)</p>	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Recount some aspects of the history of the native people of America to understand their condition.
21	21 to 28 Oct 2024	<p>THEME-10 Displacing Indigenous People Focus: North America and Australia, 18th to 20th century</p> <p>a) European colonists in North America and Australia b) Formation of White Settler societies</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Sensitize students to the processes of displacements that accompanied the development of America and Australia. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● To analyze the realms of settlement of Europeans in Australia and America.
22	29 Oct. To 2 Nov. 2024	Diwali Holidays		
23	4 to 9 Nov 2024	<p>THEME-10 Displacing Indigenous People Focus: North America and Australia, 18th to 20th century</p> <p>c) Displacement and repression of local people</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Understand the implications of such processes for the displaced populations. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Compare and contrast the lives and roles of indigenous people in these continents
24	11 to 16 Nov 2024	<p>THEME-10 Displacing Indigenous People Focus: North America and Australia, 18th to 20th century</p> <p>d) Historians' viewpoint on the impact of European settlement on indigenous population</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> ● Discuss impact of Europeans on the displaced populations. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Critically analyse the relationship between Europeans and the indigenous people in these continents.

25	18 to 23 Nov 2024	Project work	Enable the students to: <ul style="list-style-type: none"> • Provide greater opportunity for interaction and exploration. • Understand contemporary issues in context to our past. • Develop a global perspective and an international outlook. • Grow into caring, sensitive individuals capable of making informed, intelligent, and independent choices. • Develop lasting interest in history discipline. 	At the completion of project students will be able to- <ul style="list-style-type: none"> • Analyse the content and its relevance in the current scenario. • Draw Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.
26	25 to 30 Nov 2024	THEME-11 Paths to Modernization Focus: East Asia, late 19th to 20th century a) Militarization and economic growth in Japan	Enable the students to: <ul style="list-style-type: none"> • Make students aware that transformation in the modern world takes many different forms. 	At the completion of this unit students will be able to <ul style="list-style-type: none"> • Deduce the histories of China and Japan from the phase of imperialism to modernization • Explore the Japanese political, cultural and economic system prior to and after the Meiji Restoration.
27	2 to 9 Dec 2024	REVISION FOR PA -II	REVISION FOR PA -II	REVISION FOR PA -II
28	10 to 17 Dec 2024	PA II - Exam		
29	18 to 21 Dec 2024	THEME-11 Paths to Modernization Focus: East Asia, late 19th to 20th century b) China and the communist alternative	Enable the students to: <ul style="list-style-type: none"> • Aware about the nationalist upsurge in China to understand the period of communism. . 	At the completion of this unit students will be able to <ul style="list-style-type: none"> • Analyze the domains of Japanese nationalism prior and after the Second World War. • Summarize the nationalist upsurge in China from Dr Sun Yet Sen to Mao Ze Dong to understand the era of communism.
30	23 to 28 Dec 2024	THEME-11 Paths to Modernization Focus: East Asia, late 19th to 20th century c) Historians' Debate on the meaning of modernization	Enable the students to: <ul style="list-style-type: none"> • Show how notions like 'modernization' need to be critically assessed. 	At the completion of this unit students will be able to <ul style="list-style-type: none"> • To analyze the Chinese path to modernization under Deng Xio Ping and Zhou en Lai in order to understand the transformation from rigid communism to liberal socialism.
31	2 to 11 Jan 2025	Practicals	Practicals	Practicals

32	13 to 18 Jan 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2
33	20 to 25 Jan 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2
34	27 Jan to 1 Feb 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2

SUBJECT - GEOGRAPHY				
BOOKS FOLLOWED : NCERT- 1. Fundamentals of Physical Geography, 2. India : Physical Environment, 3. Practical Work in Geography I				
S.No	Week/ Month	Chapter to be Taught	LEARNING OBJECTIVES	LEARNING OUTCOMES
			Enable the students to:	Students will be able to:
1	1 to 6 April 2024	BOOK I CH 1. Geography as a Discipline Integrated Subject, Related to Natural Science, Social Science,	1. Understand the concept of Geography as an independent subject, 2. To understand the basic structure of the subject and its various components	1. Familiarise themselves with the different streams Geography is linked with
2	8 to 13 April 2024	Ch 1 Geography as a Discipline(continued) Branches of Geography - Systematic Approach - Physical, Human, Bio. Branches - Regional Approach.	1. Observe the division of the study of Geography with the help of different branches.	1. Conceptualize the approaches of the study of Geography 2. Understand the importance of both the approaches for an indepth understanding of Geography.
3	15 to 20 April 2024	Ch 2 Origin and Evolution of the Earth	1. Visualize the Early and Modern Theories of the Origin of the Earth. 2. Assemble the information about the formation of Stars, Planets. Lithosphere, Hydrosphere and Atmosphere.	1. Ascertain and imagine the origin of the marvel called the Earth along with the components of the universe.
4	22 to 30 April 2024	Practical Chapter 1 Introduction to Maps	1. Know the essentials of map making, 2. Know the uses of maps	1. Identify the types of maps and their uses
5	1st May – 14th June	SUMMER VACATION		
6	15 to 22 June 2024	Ch 3 Interior of the Earth - Direct Sources, Indirect Sources, Types of Earthquakes, their measurement and effects.	1. Gather knowledge about the earth through different sources, 2, Identify the different types of Earthquake, learn the methods of measurement of earthquakes and the effects of Earthquakes,	1. Understand the different scales used for measuring the earthquakes, 2 The intensity and Magnitude of an Earthquake.
7	24 to 29 June 2024	Ch 3 Interior of the earth (continued) Structure of the Earth Volcanism and types of Volcanoes and landforms.	1. Observe and assimilate information about the layered structure of the earth, 2. Assimilate knowledge about the different types of Volcanoes and the landforms created by them, 3 Identify the different types of volcanoes with the help of images shared with them	1. Identify the different images shared with them on the basis of knowledge acquired by them.
8	1 to 6 July 2024	Ch 4 Distribution of Continents and Oceans - Continental Drift Theory and its Evidences, Ocean Floor Configuration Features of the Ocean Floor, Concept of Sea floor Spreading, Plate Tectonic and Plate Boundaries.	1. Understand the continental drift theory, 2 Identify the features of the ocean floor, 3 Observe the processes of Sea floor spreading and movement of plate boundaries	1. compare the features of the ocean floor with the physiographic features on the surface, 2. Ascertain and justify the evidences of the continental drift.
9	8 to 11 July 2024	REVISION PA I 2024 - 2025		
10	12 th – 22 nd July	PA I 2024 - 2025		

11	23 rd – 27 th July	Ch 6 Geomorphic Processes - Endogenic Processes - Diastrophism, Volcanism, Exogenic Processes = Weathering and its Types, process of soil formation.	1 Understand the difference between endogenic and exogenic forces which include types of weathering and processes included in the soil formation	1 Respect the soil and the lengthy and natural process that is involved in soil formation, 2. identify the work done by endogenic and exogenic forces.
12	29 th July – 3 rd Aug	Ch 7 Landforms and their Evolution - Agents of Gradation - Erosional and depositional Features created by them.	1. Note the different agents of gradation, 2. Identify the different erosional and depositional land forms created by them,.	1. distinguish between the different agents of gradation, 2. Identify and know details of formations of the features created by them.
13	5 th – 10 th Aug	Ch 8 Composition and Structure of Atmosphere	1. Experience the working of the layered structure of the Atmosphere, 2. Lay importance on the composition of the Atmosphere.	1. Collect information about the different layers of the atmosphere, detailed features of each layer, 2. Understand the delicate balance of the composition of atmosphere and ill effects if the balance is disturbed.
14	12 th – 17 th Aug	Ch 9 Solar Radiation, Heat Balance and Temperature - Solar Radiation, Terrestrial Radiation, Heating and Cooling of Atmosphere	1. Understand Radiation, 2. Difference between Insolation and Terrestrial Radiation. 3. How does the atmosphere gets heated and cools down	1. Know the difference between Insolation and terrestrial radiation. 2. Identify and get familiar with the different processes of heating and cooling of the atmosphere
15	19 th – 24 th Aug	Ch 9 Solar Radiation Heat Balance and Temperature (continued) Heat Budget of the planet earth factors controlling temperature distribution	1. Observe and understand how is the heat balanced through the heat budget, 2. Experience the controlling factors of temperature distribution.	1 Understand heat budget through the exchange of heat from the sun and its reflection from the earth, 2. Assess the factors that control the temperature distribution.
16	26 th – 31 st Aug	Ch 10 Atmospheric Circulation and Weather System - Atmospheric Pressure, Forces affecting Velocity and Direction of Winds. Air Masses and Fronts	1. Acquire knowledge about the general circulation of winds and the factors that govern the circulation, 2. Know the difference between Air Masses and their types, Fronts and their occurrence.	1. Observe the different Air Masses and regions where Fronts occur. 2. Factors that govern the circulation of winds
17	1 st – 7 th Sept	Practical Ch 2. Map Scale Ch 3 Latitude, Longitude and Time	1 The different Types of Scale 1. Know the features of Latitude Longitude and time.	1 Use different scale. 1. Calculate time.
18	9 th – 17 th Sept	REVISION FOR TERM I		
24	18 th – 30 th Sept	TERM I 2024 - 25		
25	1 st – 10 th Oct.	Ch 11 Water in the Atmosphere - Evaporation, Condensation and its types, Types of Clouds, Precipitation and Rainfall.	1. Revise the concepts of condensation and evaporation, 2. Know their different types, identify the types of clouds by observation	1. Consolidate their knowledge about the types of rainfall, Precipitation, clouds, condensation.
26	11 th - 12 th Oct	DUSSEHRA BREAK		
27	14 th – 19 th Oct.	Ch 13 Water (Oceans)	1. Recap the Hydrological Cycle, 2. Get an idea about the Major and Minor relief features of the Ocean Floor, 3. Assess the factors affecting Temperature distribution, Salinity and factors responsible for	1. Present the various major and minor features of the ocean through a diagram, 2. Understand factors controlling Salinity in oceans and distribution of temperature in ocean water.

			difference in salinity of different parts of Oceans	
28	21 st - 28 th Oct	Ch 14 Movement of Ocean Water	1. Attain information about the three main movements in Ocean waters, 2. Assemble various characteristic features of each movement 3. Collect information about their importance and effects.	1. Recall the working of the Hydrological Cycle, 2.Highlight the movements - Waves, Tides and Currents - 3. Know their occurrence, characteristics and usefulness
29	29th Oct – 2nd Nov	DIWALI BREAK		
30	4 th – 9 th Nov	BOOK II Ch 1 India - Location	1. Co relate space relations and India's place in the world.	1.Learn the importance of India's strategic location and its relations with other countries of the world.
31	11 th – 16 th Nov	Ch 2 Structure and Physiography	1.Know in detail the Relief and Physiographic divisions	1.Assimilate in detail the characteristic features of each physiographic division - Their location
32	18 th – 23 rd Nov	Ch 2 Structure and Physiography (Cont)	1.Know in detail the Relief and Physiographic divisions	1.Assimilate in detail the characteristic features of each physiographic division - Their location
33	25 th – 30 th Nov	Ch 3 Drainage System	Enable the students to assemble knowledge about the concept of watersheds, The Himalayan and Peninsular River systems	Students will be able to identify the location of all the rivers in India , know their brief account
34	2nd – 9th Dec	REVISION PA II		
35	10th – 17th Dec	PA II		
36	18 th – 21 st Dec	Practical Ch 5 Topographical Maps	1Understand the concept, Interpretation of Topographical Maps	1.Identify features like Types of slopes, landforms,
37	23 rd – 28 th Dec	Ch 4 Climate	1.Observe and experience the difference between weather and climate, 2. Assess Spatial and Temporal distribution of different aspects of climate across India	1Compile their understanding of climate through ,Global Warming, 2.Observe.the cycle of seasons 3.Describe the importance of monsoon, its unifying effect
38	2 nd – 4 th Jan	Ch 5 Natural Vegetation	1.Compare and contrast different types of forest based on different climatic regions and conditions	1.Identify different type of vegetation, their location, climatic requirement, trees and wildlife associated with each type of forest
39	6 th – 11 th Jan	Ch 7 Natural Hazards and Disasters	1.Understand the difference between Hazard and Disaster, different hazard zones, mitigation.	1.Classify different disasters, Identify the particular disaster prone areas, precautions to be taken before a disaster, preventive measures to be adopted, mitigation - Before, during and after a disaster.
40	13 th – 18 th Jan	Ch 7 Natural Hazards and Disasters (Continued)	1.Understand the difference between Hazard and Disaster, different hazard zones, mitigation.	1.Classify different disasters, Identify the particular disaster prone areas, precautions to be taken before a disaster, preventive measures to be adopted, mitigation - Before, during and after a disaster.
41	20 th – 25 th Jan	Practical Ch 8 Weather Instruments Maps and Charts	1. Understand the working of different weather instruments, 2. Read different Maps and Charts.	1.Identify different instruments 2. Know their use,
42	27 th Jan – 1 st Feb	Revision Worksheet		
43	3 rd – 8 th Feb	Revision Worksheet		
44	10 th – 15 th Feb	Revision Worksheet		
45	17 th – 28 nd Feb	REVISION		
46	1 st – 15 th March	ANNUAL EXAMINATION		

Subject:- APPLIED MATHEMATICS

Book Followed:- APC BOOKS (M.L AGARWAL) & RD SHARMA

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	SETS AND RELATIONS	To enable students to Understand the concept of a 1. Set 2.Representation of Sets 3.Various types of sets. 4.Subsets 5.Sets relation	Students will be able to explain about what is mean by set,How to represent set ,various types of sets,setsrelation,subsets
2	8 to 13 April 2024	SETS AND RELATIONS	To enable students to Understand 1.Representation of sets through Venn diagrams. 2.Operation on sets and Practical use of sets in solving problems .	Students will be able to explain the represent sets through Venn diagrams,operation on sets and Practical use of sets in solving problems .
3	15 to 20 April 2024	FUNCTIONS	To enable students to understand the concept of 1.Functions 2.Domain and Range of function 3. Main features of a function.	Students will be able to explain about Functions,How to find Domain and Range of function and main features of a function
4	22 to 30 April 2024	FUNCTIONS	To enable students to Understand 1.Graph of a Real Function 2.Operations on real functions 3.Composition of functions	Students will be able to draw Graph of a Real Function,Operations on real functions,Composition of functions
5		NUMBERS	To enable students to understand the concept of 1. Binary Numbers 2.Binary Addition, Subtraction, Multiplication and Division	Students will be able to solve :Binary Addition, Subtraction, Multiplication and Division

6		INDICES	To enable students to Understand the concept of 1. Fractional indices 2. Law of exponents for real numbers	Students will be able to solve questions related to Fractional indices, Law of exponents for real numbers
7	15 to 22 June 2024	LOGARITHMS	To enable students to Understand how to find logarithm and Antilogarithm	Students will be able to find logarithm and Antilogarithm values
8	24 June to 29 June 2024	SEQUENCES AND SERIES	To enable students to Understand the properties of an Arithmetic Progression & Arithmetic mean	Students will be able to find the n th term and sum of n terms of Arithmetic Progression & Arithmetic mean
9	1 to 6 July 2024	SEQUENCES AND SERIES	To enable students to Understand the properties of an Geometric Progression & Geometric mean, Relationship between A.M and G.M	Students will be able to find the n th term and sum of n terms of Geometric Progression & Geometric mean, Relationship between A.M and G.M
10	8 to 11 July 2024 (12 JULY-22 JULY)	REVISION PT 1	REVISION	REVISION
11	23 to 27 July 2024	QUANTITATIVE APTITUDE	To enable students to Understand the concept of 1. Average 2. Weighted Average 3. Average speed 4. Average velocity	Students will be able to find Average, Weighted Average, Average speed and Average velocity
12	29 to 3 Aug 2024	QUANTITATIVE APTITUDE	To enable students to Understand the 1. Relation of Time and Work 2. Time and Distance 3. Average Speed	Students will be able to find relation of Time and Work, Time and Distance & Average Speed
13	5 Aug to 10 Aug 2024	MENSURATION	To enable students to Understand the concept of 1. Area and Perimeter of Triangles 2. Quadrilaterals & Circles	Students will be able to solve Area and Perimeter of Triangles, Quadrilaterals & Circles
14	12 to 17 August 2024	MENSURATION	To enable students to Understand how to find the Surface Area and Volume of Solids	Students will be able to find the Surface Area and Volume of Solids

15	19 to 24 August 2024	PERMUTATIONS	To enable students to understand the concept of Fundamental Principles of counting and practical problems on Permutation	Students will be able to solve questions using Fundamental Principles of counting and they will be able to solve practical problems on Permutation
16	26 to 31 August 2024	PERMUTATIONS, COMBINATION	To enable students to understand the concept of 1. Permutations under certain conditions 2. Permutations of objects not all distinct 3. difference between a permutation and combination.	Students will be able to solve the questions based on Permutations under certain conditions, Permutations of objects not all distinct & difference between a permutation and combination.
17	2 Sept to 7 Sept 2024	COMBINATION PROBABILITY	To enable students to understand all properties of Combinations and Practical problems on combinations. To enable students to understand the concept of 1. Random experiment 2. Sample space 3. Events 4. Types of events 5. Axiomatic approach to probability 6. Probability of an event 7. Problem based on Combination or Selections and Addition theorems on Probability.	Students will be able to solve problems on combination using properties of Combinations . Students will be able to solve the problems based on Random experiment, Sample space, Events, Types of events, Axiomatic approach to probability, Probability of an event, Problem based on Combination or Selections and Addition theorems on Probability.
18	9 to 16 Sept 2024	TERM I EXAM REVISION	TERM I EXAM REVISION	TERM I EXAM REVISION
19	18 to 30 Sept 2024	TERM I EXAM	TERM I EXAM	TERM I EXAM
22	1 to 10 Oct 2024	LOGICAL REASONING	To enable students to: understand 1. Letters for Digits 2. Blood Relation	Students will be able to solve the problems based on 1. Letters for Digits 2. Blood Relation
	11 and 12 Oct 2024	Dushera break		

23	14 to 19 Oct 2024	DESCRIPTIVE STATISTICS	To enable students to understand 1.Measures of Dispersion 2.Different method of Measuring Dispersion 3.Mean deviation for grouped data 4.Mean deviation about the mean/median 5.Continuous frequency distribution	Students will be able to find 1.Measures of Dispersion 2.Different method of Measuring Dispersion 3.Mean deviation for grouped data 4.Mean deviation about the mean/median 5.Continuous frequency distribution
24	21 to 28 Oct 2024	DESCRIPTIVE STATISTICS	To enable students to understand 1.Moments 2.Skewness 3.Kurtosis 4.Percentile Rank	Students will be able to solve the problems based on 1.Moments 2.Skewness 3.Kurtosis 4.Percentile Rank
25	26 to 28 Oct 2024	DESCRIPTIVE STATISTICS	To enable students to Understand 1.Quartile rank 2.Correlation Analysis 3.Covariance of X and Y 4.Karl Pearson's coefficient of Correlation.	Students will be able to solve the problems based on 1.Quartile rank 2.Correlation Analysis 3.Covariance of X and Y 4.Karl Pearson's coefficient of Correlation
	29 Oct to 2 nd Nov 2024	Diwali break		
26	4 to 9 Nov 2024	THE STRAIGHT LINE	To enable students to understand the concept of 1.Slope of a line 2.Angle between the lines,condition of parallelism of line ,condition of perpendicularity of two lines 3. Intercepts of a line on the axes	Students will be able to solve the problems based on Slope of a line,angle between the lines,condition of parallelism of line ,condition of perpendicularity of two lines and intercepts of a line on the axes
27	11 to 16 Nov 2024	THE STRAIGHT LINE	To enable students to understand the concept of 1.Different forms of the equation of a straight line 2.The intercept form of a line 3.Normal form of a line 4.Distance form of a line and Distance between parallel lines.	Students will be able to solve problems based on Different forms of the equation of a straight line,the intercept form of a line,Normal form of a line , Distance form of a line and Distance between parallel lines.

28	18 to 23 Nov 2024	CIRCLES	To enable students to understand how to make standard equation of a circle and general equation of a circle.	Students will be able to solve the problem based on standard equation of a circle and general equation of a circle
29	25 to 30 Nov 2024	PARABOLA, ELLIPSE, LIMITS AND CONTINUITY	To enable students to understand the 1.Analytical definition of conic section 2.Equation of the Parabola in its Standard form 3. Equation of a Parabola when its Focus and Vertex are given 4.Equation of a Parabola when its vertex and directrix are given 5.Equation of the ellipse in standard form 6.Focal distance of a point on the ellipse and equation of Ellipse in other forms To enable students to understand how to1. Evaluate left hand and right hand limit2.Indeterminate forms and evaluation of limits3.rationalisation method4.Evaluation of trigonometric limits and evaluation of trigonometric limits when the variable tends to zero.	Students will be able to find the Equation of the Parabola in its Standard form,Finding the equation of a Parabola when its Focus and Vertex are given,Finding the equation of a Parabola when its vertex and directrix are given,Equation of the ellipse in standard form,Focal distance of a point on the ellipse and equation of Ellipse in other forms Students will be able to evaluate left hand and right hand limit,indeterminate forms and evaluation of limits,rationalisation method,evaluation of trigonometric limits and evaluation of trigonometric limits when the variable tends to zero.
30	2 nd Dec to 9 th Dec 2024	REVISION FOR PTII EXAM		
31	10 to 17 Dec 2024	PT II EXAM		
32	18 to 21 Dec 2024	DIFFERENTIATION	Students will understand the concept of 1. Derivative 2Geometrical interpretation 3..Derivative at a point 4.fundamental rules for differentiation 5.product rule for differentiation and quotient rule for differentiation	Students will be able to find derivative,geometrical interpretation of derivative at a point,fundamental rules for differentiation,product rule for differentiation and quotient rule for differentiation

33	23 to 28 Dec 2024	DIFFERENTIATION	Students will understand the concept of 1. Derivative 2. Geometrical interpretation 3. Derivative at a point 4. fundamental rules for differentiation 5. product rule for differentiation and quotient rule for differentiation	Students will be able to find derivative, geometrical interpretation of derivative at a point, fundamental rules for differentiation, product rule for differentiation and quotient rule for differentiation
34	2 nd to 4 th Jan 2025	COMPOUND INTEREST AND ANNUITY	To enable students to understand 1. Interest 2. Compound Interest 3. Annuity 4. Amount of a regular Annuity 5. Amount and Present value of Annuity due	Students will be able to find 1. Interest 2. Compound Interest 3. Annuity 4. Amount of a regular Annuity 5. Amount and Present value of Annuity
35	13 to 18 Jan 2025	TAXATION	To enable students to understand 1. Taxation 2. Goods and Services Tax 3. Income Tax 4. New Tax Regime	Students will be able to solve the problems based on 1. Taxation 2. Goods and Services Tax 3. Income Tax 4. New Tax Regime
36	20 to 25 Jan 2025	UTILITY BILLS	To enable students to understand 1. Utility Bill 2. Interpretation of Electricity Bills	Students will be able to solve the problems based on 1. Utility Bill 2. Interpretation of Electricity Bills
37	27 Jan to 1 Feb 2025	UTILITY BILLS	To enable students to understand 1. Interpretation of Water Bills 2. Interpretation of Piped Natural Gas Bills	Students will be able to solve the problems based on 1. Interpretation of Water Bills 2. Interpretation of Piped Natural Gas Bill
38	2 nd Feb to 10 Feb 2025	REVISION	REVISION	REVISION
39	11 Feb to 22 Feb 2025	REVISION	REVISION	REVISION

Subject:- PHYSICAL EDUCATION**Book Followed:-**

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	27 Mar to 1 April 2024	Unit I: Changing Trends & Career In Physical Education	students will able to learn Concept, Aims & Objectives of Physical Education and Changing Trends in Sports	students will be able explain about the changing trends in physical education
2	3 to 8 April 2024	Unit I: Changing Trends & Career In Physical Education	students will able to learn Changing Trends in Sports Career Options in Physical Education	students will be able explain diffrent career options in physical education
3	10 to 15 April 2024	Unit I: Changing Trends & Career In Physical Education	students will able to learn Khelo-India and Fit-India Program	students will be able explain what is kheloindia program
4	17 to 22 April 2024	Unit II: Olympism	students will able to learn Ancient and Modern Olympics	students will be able explain anout ancient annd modern olympic
5	24 to 29 April 2024	Unit II: Olympism	students will able to learn Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) Olympics - Symbols, Motto, Flag, Oath, and Anthem	students will be able explain the moto vision of olympics
6	15 to 24 June 2024	Unit II: Olympism	students will able to learn Olympic Movement Structure - IOC, NOC, IFS, Other members	students will be able explain how IOC NOC IFS works for olympics
7	26 June to 1 July 2024	Unit III: Yoga	students will able to learn Meaning & Importance of Yoga Introduction to Ashtanga Yoga	students will be able know about the importance of yoga and eight elements of yoga

8	3 to 8 July 2024	Unit III: Yoga	students will able to learn Introduction to Yogic Kriyas (Shat Karma)	students will be able know about diffrent yogic kriyas
9	10 to 15 July 2024	Unit IV: Physical Education & Sports For Cwsn	students will able to learn Concept of Disability and Disorder	students will be able explain thedifference between disability and disorder
10	17 to 22 July 2024	"Unit IV: Physical Education & Sports For Cwsn "	students will able to learn Types of Disability, its causes & nature (Intellectual disability, Physical disability)	students will be able expalin the diffrent types of disability and its causes
11	24 to 29 July 2024	"Unit IV: Physical Education & Sports For Cwsn "	students will able to learn Aim & Objective of Adaptive Physical Education	students will be able explain about what is adaptive physical education and why it is important
12	31 July to 5 Aug 2024	"Unit IV: Physical Education & Sports For Cwsn "	students will able to learn Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator)	students will be able expalin what are the role of diffrent professionals for CWSN
13	7 to 12 August 2024	Unit V: Physical Fitness, Health and Wellness	students will able to learn Meaning and Importance of Wellness, Health and Physical Fitness	students will be able to explain the importance and meaning of physical fitness, wellness and health
14	14 to 19 August 2024	Unit V: Physical Fitness, Health and Wellness	students will able to learn Components/Dimensions of Wellness, Health and Physical Fitness	students will be able to explain components and dimessions of wellnes, Health and Physical Fitness

15	21 to 26 August 2024	Unit V: Physical Fitness, Health and Wellness	students will able to learn Traditional Sports & Regional Games for promoting wellness	students will be able to explain Traditional Sports & Regional Games f or promoting wellness
16	28 Aug to 2 Sept 2024	Unit VI: Test, Measurement & Evaluation	students will able to learn Concept of Test, Measurement & Evaluation in Physical Education & sports.	students will be able to explain about importance of Measurement & Evaluation in Physical Education & sports.
17	4 to 9 Sept 2024	Unit VI: Test, Measurement & Evaluation	students will able to learn Measurement & Evaluation in Physical Education & sports.	students will be able to explain Measurement & Evaluation in Physical Education & sports.
18	11 to 13 Sept 2024	Unit VI: Test, Measurement & Evaluation	students will able to learn Test administration guidelines in physical education and sports	students will be able to explain
19	14 to 27 Sept 2024	Unit VII: Fundamentals of Anatomy, Physiology in Sports	students will able to learn Definition and Importance of Anatomy and Physiology in exercise and sports	students will be able to explain importance of Importance of Anatomy and Physiology in exercise and sports
20	28 to 30 Sept. 2024	Unit VII: Fundamentals of Anatomy, Physiology in Sports	students will able to learn oFunctions f Skeletal system, classification of bone and types of joints.	students will be able to explain about Functions f Skeletal system, classification of bone and types of joints.
21	2 to 7 Oct 2024	Unit VII: Fundamentals of Anatomy, Physiology in Sports	students will able to learn Function and Structure of Respiratory system.	students will be able to explain
22	9 to 14 Oct 2024	Unit VIII: Fundamentals Of Kinesiology and Biomechanics in Sports	students will able to learn Definition and Importance of Kinesiology and Biomechanics in sports Principles of Biomechanics	students will be able to explain

23	16 to 21 Oct 2024	Unit VIII: Fundamentals Of Kinesiology and Biomechanics in Sports	students will able to learn Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation	students will be able to explain
	Dushera break 23- 25 Oct			
24	26 to 28 Oct 2024	Unit VIII: Fundamentals Of Kinesiology and Biomechanics in Sports	students will able to learn Axis and Planes – Concept and its application in body movements	students will be able to explain
25	30 Oct to 4 Nov 2024	Unit IX: Psychology & Sports	students will able to learn Definition & Importance of Psychology in Physical Education & Sports	students will be able to explain
26	6 to 9 Nov 2024	Unit IX: Psychology & Sports	students will able to learn Adolescent Problems & Their Management	students will be able to explain
	Diwali break 10 -15 Nov			
27	16 to 18 Nov 2024	Unit IX: Psychology & Sports	students will able to learn Team Cohesion and Sports	students will be able to explain
28	20 to 25 Nov 2024	Unit X: Training and Doping In Sports	students will able to learn Concept and Principles of Sports Training	students will be able to explain Concept and Principles of Sports Training
29	28 Nov to 2 Dec 2024	Unit X: Training and Doping In Sports	students will able to learn Training Load: Over Load, Adaptation, and Recovery	students will be able to explain the i mportance of Over Load, Adaptation, and Recovery

30	4 to 9 Dec 2024	Unit X: Training and Doping In Sports	students will able to learn Concept of Doping and its disadvantages	students will be able to explain Concept of Doping types and their side effects
31	11 to 16 Dec 2024	Revision		
	PA II -6/12--13/12			
32	18 to 23 Dec 2024	Revision		
33	26 to 28 Dec 2024	Revision		
34	2 to 6 Jan 2024	Revision		
35	8 to 13 Jan 2024	Revision		
36	15 to 20 Jan 2024	Revision		
37	22 to 27 Jan 2024	Revision		
38	29 to 31 Jan 2024	Revision		

Subject:- LEGAL STUDIES

Book Followed:-

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Unit 1 Concept of State (Chapter 1) 1. What is a State? 2. The concept of State and Article 12 of the Constitution of India 3. what is Governance? 4. Emergence of the State from Society 5. Definition of State 6. Theories on the origin of State	To enable the students to: 1. Define, identify and illustrate the various roles played by states in the context of the governmental control being exercised on the citizens 2. Identify and explain the elements that are required by any political institution to be recognized as a State	Students will be able to: 1. Evaluate the relevance of Modern Welfare States in today's global scenario 2. Define the term "State" in legal and political context especially international law
2	8 to 13 April 2024	8. Role of a state 9. Elements of a State Unit 1 (Chapter 2) Forms and organs of Government 1. Introduction to the organs of Government 2. Forms of Government 2.1 Monarchy 2.2 Aristocracy 2.3 Dictatorship 2.4 Democracy	To enable the students to: 1. Construct the political system which forms the foundation of our legal system	Students will be able to: 1. Describe all forms of government seen globally with relevant examples
3	15 to 20 April 2024	3. Presidential and Parliamentary form of Government 4. Unitary and Federal form of Government 5. Composition of the Legislature	To enable the students to: 1. Recall organisation of legislature globally and their advantages Identify the organs of government	Students will be able to: 1. Differentiate between all forms of government

4	22 to 30 April 2024	6. General Functions of Legislature as Organ of Government 7. General Functions of Executive as Organ of Government	To enable the students to: 1. Explain the functions of judiciary 2. Enumerate the functions of executive and link it to modern welfare state	Students will be able to: 1. Evaluate the overlap in functions of all organs
5	15 to 22 June 2024	1. General Functions of Judiciary as Organ of Government	To enable the students to: 1. Explain the functions of judiciary and link it to current judicial system	Students will be able to: 1. Explain the functions of legislature
6	24 June 29 June 2024	Unit 1 (Chapter 3) separation of Powers 1. Concept of Separation of Powers 2. Historical background and evolution of Montesquieu's Doctrine of Separation of Powers 2.1 Basic Features 2.2 Checks and Balances	To enable the students to: 1. Define separation of powers	Students will be able to: 1. Explain historical evolution of the Montesquieu's doctrine of separation of powers
7	1 to 6 July 2024	2.3 Impact of the Doctrine 3. Evaluation of the Doctrine of Separation of Powers 4. Key Benefits and Advantages of the Doctrine of Separation of Powers 5. Defects of the Doctrine	To enable the students to: 1. Describe the concept of checks and balances of power 2. Evaluate Montesquieu's doctrine of separation of powers- it's advantages, disadvantages, impact and defects	Students will be able to: 1. Explain the relevance of Montesquieu's doctrine in governance and comment on its limitations
8	8 to 11 July 2024	6. Separation of Powers in Practice 6.1 Separation of Powers in India	To enable the students to: 1. Relate the theories of separation of powers with the current judicial system of India	Students will be able to: 1. Analyse and compare the application of doctrine of separation of powers in India
9	12 to 22 July 2024	PA 1		

10	23 to 27 July 2024	<p>UNIT 2 BASIC FEATURES OF THE CONSTITUTION OF INDIA CHAPTER 1 Salient Features of the Constitution of India</p> <ol style="list-style-type: none"> 1. Meaning of the term Constitution 2. Definition of the term Constitution 3. Historical perspective of the Constitution of India 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Demonstrate understanding of the basic features of Constitution and contrast the various Constitutions around the world 2. Recall the historical perspective of the Constitution of India 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyse and examine the various writs and their purpose 2. Explain the meaning of terminologies used in the preamble of the Constitution
11	28 July to 3 August 2024	<ol style="list-style-type: none"> 4. Salient Features of The Constitution Of India <p>A. A Modern Constitution B. Lengthiest written Constitution C. Preamble to the Constitution D. Fundamental Rights; Directive Principles of State Policy; Fundamental Duties E. Constitutional Provision for Amendment of the Constitution of India F. Adult Suffrage G. Single Citizenship H. Independent Judiciary I. Emergency Provision J. Federal in form Unitary in character K. Division of Power- Centre- State Relations L. Schedules to the Constitution</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Distinguish between Fundamental Rights and Directive Principles of State Policy 2. Examine the reasoning behind why DPSP are non-justiciable 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyze the importance of Fundamental Duties 2. List down the process of amendment of the Constitution and examine the basic structure of the Constitution
12	5 to 10 August 2024	<p>Chapter 2 Administrative Law</p> <ol style="list-style-type: none"> 1. Administrative Law and Constitutional Law: Key Differences 2. Reasons for Growth, Development and Study of Administrative Law 3. Types of Administrative Actions 4. Fundamental Principle of Administrative Law: Rule of Law 5. Droit System 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Interpret the meaning of administrative law 2. Differentiate between Administrative law and Constitutional law 3. State reasons for growth of administrative law as a separate discipline 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain and identify the types of administrative actions 2. Critically evaluate the concept of rule of law 3. Explain the Droit system

13	12 to 17 August 2024	<p>Unit 3 chapter 1 Jurisprudence, Nature and Meaning of Law</p> <ol style="list-style-type: none"> 1. Introduction 2. Historical Perspective 3. Schools of Law 4. Function and Purpose of Law 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Compare the five schools of law-Natural, Analytical, Historical, Sociological and Realist Schools of Law 2. List the distinguishing features and sources of law for each school 3. Discuss the need for law in society by assessing the function and purpose of law 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the meaning, nature, essentials and objectives of law along with its multi-faced role 2. Define Law and explain the meaning of jurisprudence 3. State two rules that shows natural justice is firmly grounded in Articles 14 and 21 of the Constitution 4. Write down two points each in favour of and against conviction in Speluncean Explorers Case
14	19 to 24 August 2024	<p>UNIT 3 Chapter 2 Classification of Laws</p> <ol style="list-style-type: none"> I. Classification of law based on Subject Matter II. Classification of law based on Scope of Law III. Classification of law based on Jurisdiction 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Classify the various branches of law 2. Summarise the purpose behind classification of law 3. Compare International Law and Municipal Law 4. Compare Public and Private International Law 5. Compare Public and Private Municipal law 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify the sub types of each branch 2. Analyse the difference between civil and criminal law 3. Differentiate between substantive and procedural laws
15	26 to 31 August 2024	<p>Chapter 3 Sources of Laws</p> <ol style="list-style-type: none"> 1. Where does law come from? 2. Custom as a Source of Law 3. Importance of Custom as a Source of Law in India 4. Judicial Precedent as a Source of Law 5. Legislation as a Source of Law <p>Chapter 4 Law Reforms</p> <ol style="list-style-type: none"> 1. Need for Law Reform 2. Law Reforms in India 2.1 Post independent India 3. Recent Law reforms in Independent India 3.1 The Right to Information Act, 2005 3.2 Information Technology Act, 2000 3.3 Muslim Women (Protection of Rights on Marriage) Act, 2019 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Discuss the three main sources of law- Customs, Legislation and Judicial Precedent 2. Explain the essential tests laid down by jurists/ courts for customs to be recognized as sources of law 3. Evaluate the importance of custom as an important source of law in India 4. Discuss the meaning of law reform 5. Critically analyse the need for law reform in India 6. Describe the role of law commissions in law reforms in pre-independent India 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Differentiate between the two parts of judicial decisions- Ratio decidendi and Obiter dicta 2. Critically evaluate the importance of different sources of law 3. Enumerate and explain different kinds of legislation 4. Explain the role of British administrators in improving the Civil and Criminal justice system in pre-independent India 5. Enumerate recent law reforms in Independent India

		3.4 The Consumer Protection (Amendment) Act, 2019		
16	2 to 7 Sept 2024	REVISION		
17	9 to 16 Sept 2024	REVISION		
18	18 to 30 Sept 2024	Term 1 exam		
19	1 to 10 October 2024	Chapter 5 Cyber Laws, Safety and Security in India 1. Introduction 2. Why do we need Cyber Laws? 3. What is Cyber law? 4. What is Cyber safety and Security? 5. What is Cyber-crime? 6. Categories of Cyber-crime. 7. Cyber law in India 8. Scope or Extent of The Information Technology Act, 2000 (IT Act) 9. What was Section 66 A IT Act, 2000	To enable the students to: 1. Define Cyber Space and list its features 2. Analyse the importance of Cyber Security and Safety 3. Explain the meaning of Cyber-crime and the need for Cyber Laws 4. Evaluate Cyber Laws in India	Students will be able to: 1. Explain types of Cyber-crimes 2. Analyse Cyber-crime and Cyber bullying 3. Critically analyse the judicial pronouncement repeating Section 66A of the Information Technology Act, 2000

20	11 and 12 October 2024	Dussehra Holidays		
21	14 to 19 October 2024	<p>Unit 4 Judiciary: CONSTITUTIONAL, CIVIL AND CRIMINAL COURTS AND PROCESSES Chapter 1 Judiciary: Constitutional, Civil and Criminal Courts and Processes</p> <p>1. Introduction 2. Judiciary: it's Constitution, Roles and Impartiality 2.1. Independence and Impartiality of the Supreme Court 2.2. Structure and Hierarchy of the Courts in India 2.3. The Civil Process and functioning of Civil Courts</p>	<p>To enable the students to:</p> <p>1. State reasons for independence and impartiality of judiciary</p>	<p>Students will be able to:</p> <p>1. Draw a flow chart of hierarchy of courts in India</p>
22	9 to 14 October 2024	<p>3. The Civil Court Structure 3.1. Common Legal Terminologies 3.2. Types of Jurisdiction 3.3. Res subjudice and Res judicata in Code of Civil Procedure, 1908</p>	<p>To enable the students to:</p> <p>1. Explain legislations governing courts in India</p>	<p>Students will be able to:</p> <p>1. Distinguish between Civil and Criminal Cases</p>

23	21 to 28 October 2024	<p>4. Structure and Functioning of Criminal Courts in India</p> <p>4.1. Types of Offences</p> <p>4.2. Criminal Investigations and First Information Report (FIR)</p> <p>4.3. Criminal Process - Investigation and Prosecution</p>	<p>To enable the students to:</p> <p>1. Examine the importance of FIR in Criminal Investigation</p>	<p>Students will be able to:</p> <p>1. Explain the process of criminal investigation, inquiry and trial</p> <p>2. Distinguish between Cognizable and Non Cognizable offences, Bailable and Non Bailable offences</p>
	29 October to 2 November 2024	DIWALI HOLIDAYS		
24	4 TO 9 November 2024	<p>4.4. Doctrine of autrefois acquit and autrefois convict (i.e. previously acquitted or previously convicted)</p> <p>4.5. Function and Role of Police</p> <p>5. Other Courts In India</p> <p>5.1. Family Courts</p> <p>5.2. Administrative Tribunals</p>	<p>To enable the students to:</p> <p>1. Describe the role of police</p>	<p>Students will be able to:</p> <p>1. Analyse the judicial structure envisaged in the Constitution of India</p>
25	11 to 16 November 2024	<p>Unit 5</p> <p>Family Justice System</p> <p>Chapter 1</p> <p>Institutional Framework- Marriage and Divorce</p> <p>1. Nature of Family Laws in India</p> <p>2. Human Rights and Gender Perspective</p> <p>3. Institutional Framework – Family Courts</p>	<p>To enable the students to:</p> <p>1. Evaluate the family laws of various religions and Role of family courts in India</p>	<p>Students will be able to:</p> <p>1. Explain the evolution of family laws and establishment of Family Courts in India</p>
26	18 to 23 November 2024	<p>4. Role of Women in the Creation of Family Courts</p> <p>5. Role of Lawyers and Counselors in Family Courts</p>	<p>To enable the students to:</p> <p>1. Analyse the role of counsellors and lawyers in Family Courts</p>	<p>Students will be able to:</p> <p>1. Critically evaluate the existing gender bias in Personal Laws in India</p>
27	25 to 30 November 2024	<p>6. Role of Counsellors and Gender Issues</p> <p>7. Marriage and Divorce</p>	<p>To enable the students to:</p> <p>1. Evaluate the theories and grounds for divorce</p>	<p>Students will be able to:</p> <p>1. Compare types of marriage and conditions of a valid marriage under various family laws</p>

28	2 to 9 December 2024	REVISION		
29	10 to 17 December 2024	PA - 2		
30	18 to 21 December 2024	Unit 5 Family Justice System Chapter 2 Child Rights <ol style="list-style-type: none"> 1. Child Rights 2. Right to Education 3. Right to health 4. Right to Shelter 5. Child Labour 6. Sexual Abuse 7. Juvenile Justice Unit 5 Family Justice System Chapter 3 Adoption <ol style="list-style-type: none"> 1. Adoption 2. Minor Custody and Guardianship 	To enable the students to: <ol style="list-style-type: none"> 1. Critically evaluate child sexual abuse and Juvenile Justice 2. Explain the meaning of child 3. Explain Adoption 4. Differentiate between the types of guardians 	Students will be able to: <ol style="list-style-type: none"> 1. Summarise the importance of Juvenile laws 2. Explain various rights available to a child 3. Contrast between the laws of guardianship under various religions
31	23 to 28 Dec 2024	Unit 5 Family Justice System Chapter 4 Property, Succession and Inheritance <ol style="list-style-type: none"> 1. Concept of Property: Joint Family Property and Separate Property 2. Inheritance and Succession 3. Intestate Succession 	To enable the students to: <ol style="list-style-type: none"> 1. Explain the concept of property, succession and inheritance 	Students will be able to: <ol style="list-style-type: none"> 1. Differentiate between types of succession

32	2 to 4 January 2025	Unit 5 Family Justice System Chapter 4 Property, Succession and Inheritance 4. Rules relating to Intestate Succession 5. Testamentary Succession	To enable the students to: 1. Apply the rules regarding intestate succession in different religions	Students will be able to: 1. Draft a sample Will
33	6 to 11 January 2025	Unit 5 Family Justice System Chapter 5 Prevention of Violence against Women 1. Introduction 2. Meaning of Domestic Violence 3. International Legal Framework 4. Laws in India on Prevention of Violence against Women	To enable the students to: 1. Understand the concept of violence against women 2. Trace the evolution of laws on violence against women in India	Students will be able to: 1. Critically evaluate the laws for protection of women in India
34	13 to 18 January 2025	Case Studies	To enable the students to: 1. Solve the case studies and point out the issues in them	Students will be able to: 1. Analyse the way in which the judge evaluates the case facts and evidences
35	20 to 25 January 2025	REVISION		
36	27 to 1 February 2025	REVISION		
37	3 to 8 February 2025	REVISION FOR TERM 2		
38	11 to 22 February 2025	Annual Exam		

Subject:- ARTIFICIAL INTELLIGENCE (843)

Book Followed:- CBSE NCERT

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 1: AI INFORMED (AI FOUNDATIONS)</u></p> <p>Unit 1: Introduction – AI for everyone</p> <ol style="list-style-type: none"> 1. What is AI? <ul style="list-style-type: none"> • Kids can AI 2. History of AI 3. What is Machine Learning <ul style="list-style-type: none"> • Difference between conventional Programming and machine learning. • How is Machine learning related to AI? 4. What is data? <ul style="list-style-type: none"> • Structured • Unstructured • Examples of unstructured data- text, images. 	<ul style="list-style-type: none"> • Understand the definition of Artificial Intelligence and Machine Learning • Evaluate the impact of AI on society • Unfold the AI terminology - Machine Learning (ML), Deep Learning (DL), Supervised Learning, Un-supervised Learning etc. • Understand the strengths and limitations of AI and ML 	<ul style="list-style-type: none"> • To get introduced to the basics of AI and its allied technologies
2	08 to 13 April 2024	<ol style="list-style-type: none"> 5. Terminology and Related Concepts Intro to AI <ul style="list-style-type: none"> • Machine learning • Supervised learning (examples) • Unsupervised learning (examples) • Deep learning • Reinforcement learning • Machine Learning Techniques and Training • Neural Networks 6. What machine learning can and cannot do 7. More examples of what machine learning can and cannot do 8. Jobs in AI 	<ul style="list-style-type: none"> • Identify the difference between AI on one side and Machine Learning (ML), Deep Learning (DL) on other 	<ul style="list-style-type: none"> • To understand the impact of AI on society

3	15 to 20 April 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 1: AI INFORMED (AI FOUNDATIONS)</u></p> <p>Unit 2: AI Applications and Methodologies</p> <ol style="list-style-type: none"> 1. Key Fields of Application in AI <ul style="list-style-type: none"> • Chatbots (Natural Language Processing, speech) • Alexa, Siri and others • Computer vision • Weather Predictions • Price forecast for commodities • Self-driving cars 2. Characteristics and types of AI <ul style="list-style-type: none"> • Data driven • Autonomous systems • Recommender systems • Human like 3. Cognitive Computing (Perception, Learning, Reasoning) Cognitive computing 	<ul style="list-style-type: none"> • Students get familiar with AI applications such as Chatbots, role of AI in weather forecasting, autonomous cars etc • Students start appreciating the fact that AI is here to supplement us and NOT compete with us. 	<ul style="list-style-type: none"> • To develop a fair understanding of AI applications and to know where and how to apply these tools to improve productivity.
4	22 to 30 April 2024	<ol style="list-style-type: none"> 4. Recommended deep-dive in NLP, CV, etc.* 5. AI and Society coursera-ai-for-everyone 6. The Future with AI, and AI in Action (Introduction) 7. Non-technical explanation of deep learning coursera-ai-for-everyone 	<ul style="list-style-type: none"> • Students get a fair understanding of how our society is expected to look like in the age of AI and the skills that students need to acquire in order to keep pace with the changes 	<ul style="list-style-type: none"> • They should see AI as a tool pretty much like they treat calculator as a tool for simple calculation.
5	15 to 22 June 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 1: AI INFORMED (AI FOUNDATIONS)</u></p> <p>Unit 3: Mathematics for AI</p> <ol style="list-style-type: none"> 1. Introduction to matrices (Recap) 2. Introduction to set theory (Recap) <ul style="list-style-type: none"> • Introduction to data table joins 3. Simple statistical concepts 	<ul style="list-style-type: none"> • Learners to appreciate the role of mathematics in Artificial Intelligence and Machine learning 	<ul style="list-style-type: none"> • By the end of this unit, students are expected to have foundation level understanding of Linear Algebra, Statistics, various kinds of graphs to visualize data and set theory.

6	24 to 29 June 2024	<ol style="list-style-type: none"> 4. Visual representation of data, bar graph, histogram, frequency bins, scatter plots, etc. 5. With co-ordinates and graphs introduction to dimensionality of data 6. Simple linear equation <ul style="list-style-type: none"> • Least square method of regression 	<ul style="list-style-type: none"> • Students to get to know the application side of mathematics and to have a basic level of understanding of the mathematical models. • Help students learn about the different ways data can be represented and summarized graphically. 	<ul style="list-style-type: none"> • Students should be in a position to relate real world problems with these mathematical concepts • Students should be curious enough to explore deeper concepts of the application aspects of mathematics.
7	01 July to 06 July 2024	<p><u>PART – A : EMPLOYABILITY SKILLS</u></p> <p>Unit 1: Communication Skills – III</p> <ol style="list-style-type: none"> 1. Introduction 2. Why is Communication Important 3. Verbal Communication 4. Non-Verbal Communication 5. Pronunciation Basics 6. Styles of Communication 7. Saying No – Refusal Skills 8. Writing Skills – Parts of Speech 9. Writing Skills – Sentences 10. Greetings and Introduction 11. Asking Questions 12. Describing Family – Names of Relatives 13. Habits and Routines 14. Asking for Directions 	<ul style="list-style-type: none"> • Enhance participants' verbal and non-verbal communication abilities. • Improve pronunciation clarity and style adaptation. • Develop assertiveness in refusal skills. • Refine writing proficiency. • Master social conventions like greetings and introductions. • Hone questioning techniques. • Expand vocabulary for familial and daily life descriptions. • Foster confidence in seeking and giving directions. 	<ul style="list-style-type: none"> • Demonstrate knowledge of various methods of communication • Identify specific Communication styles • Demonstrate basic writing skills
8	08 to 11 July 2024	REVISION FOR PA 1 (PA 1 --12/7 to 22/7)	To get prepare for PA 1	Students will prepare themselves for PA 1
9	12 to 22 July 2024	PA 1 Exam		

10	23 to 27 July 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 1: AI INFORMED (AI FOUNDATIONS)</u></p> <p>Unit 4: AI Values (Ethical Decision Making)</p> <p>AI: Issues, Concerns and Ethical Considerations</p> <ol style="list-style-type: none"> 1. Issues and Concerns around AI 2. AI and Ethical Concern 3. AI and Bias 4. AI: Ethics, Bias, and Trust 5. Employment and AI 	<ul style="list-style-type: none"> • As an educator or a parent, it's our responsibility to prepare our next generation for the future. The objective of this unit is to give a glimpse of the society of the future. • Deepen the understanding of students about the technological basis of AI. • Analyse machine bias and other ethical risks 	<ul style="list-style-type: none"> • To develop a fair understanding of AI bias, how the society is to be impacted with the advent of AI • Students should be in position to discuss AI and individual responsibility.
11	29 to 03 August 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 1: AI INFORMED (AI FOUNDATIONS)</u></p> <p>Unit 5: Introduction to Storytelling</p> <ol style="list-style-type: none"> 1. Storytelling: communication across the ages <ul style="list-style-type: none"> • Learn why storytelling is so powerful and cross-cultural, and what this means for data storytelling 2. The Need for Storytelling 3. Story telling with data <ul style="list-style-type: none"> • By the numbers: How to tell a great story with your data. 	<ul style="list-style-type: none"> • Students develop an understanding of benefits of powerful storytelling and its need. 	<ul style="list-style-type: none"> • To get introduced to storytelling
12	05 to 10 August 2024	<ol style="list-style-type: none"> 4. Conflict and Resolution <ul style="list-style-type: none"> • Everyone wants to resolve conflict, and a good data storyteller is there to help! 5. Storytelling for audience <ul style="list-style-type: none"> • Your data storytelling depends on the background knowledge of your audience. 	<ul style="list-style-type: none"> • Students appreciate the importance of knowing the audience of their story. 	<ul style="list-style-type: none"> • Building an impactful story using data for a set of audience.
13	12 to 17 August 2024	<ol style="list-style-type: none"> 6. Insights from storytelling <ul style="list-style-type: none"> • Make the audience care about the data • Keep the audience engaged • Create from the end; present from the beginning • Start with an anecdote, end with the data • Build suspense, not surprise 	<ul style="list-style-type: none"> • Students learn to create and deliver effective stories blended with numbers to engage the audience. • Students demonstrate ability to gain insights from data storytelling. 	<ul style="list-style-type: none"> • Helping in creating blogs, videos, and other content.

14	19 to 24 August 2024	<p><u>PART – A : EMPLOYABILITY SKILLS</u></p> <p>Unit 2: Self-management Skills – III</p> <ol style="list-style-type: none"> 1. Introduction 2. Strength and Weakness Analysis 3. Grooming 4. Personal Hygiene 5. Teamwork 6. Networking Skills 7. Self-Motivation 8. Goal Setting 9. Time Management 	<ul style="list-style-type: none"> • Empower participants with self-awareness through strength and weakness analysis. • Cultivate professionalism through grooming and personal hygiene practices. • Foster collaboration through teamwork and networking skills. • Inspire intrinsic drive through self-motivation techniques. • Facilitate goal achievement through effective goal setting and time management strategies. 	<ul style="list-style-type: none"> • Demonstrate impressive appearance and grooming • Demonstrate team work skills • Apply time management strategies and techniques
15	26 to 31 August 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 2: AI INQUIRED (AI Apply)</u></p> <p>Unit 6: Critical and Creative thinking</p> <ol style="list-style-type: none"> 1. Design thinking framework <ul style="list-style-type: none"> • Right questioning (5W and 1H) • Identifying the problem to solve • Ideate 	<ul style="list-style-type: none"> • Utilize the design thinking framework, incorporating right questioning, problem identification, and ideation, to foster innovation and effective problem-solving. • Apply the 5W and 1H questioning technique to accurately identify core issues. • Conduct creative ideation sessions aimed at generating solutions that meet user needs. 	<ul style="list-style-type: none"> • Skill –Understanding the problem and being able to express the same • Creativity – To be able to develop/innovate from design a solution
16	02 to 07 Sept 2024	Major Project(Synopsis + Documentation)	Students will acquire the knowledge of Project Management.	Students will get to complete their Project work.
17	09 to 16 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
18	18 to 30 Sept 2024	Term 1 exam	Term 1 exam	Term 1 exam

		<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 2: AI INQUIRED (AI Apply)</u></p> <p>Unit 7: Data Analysis (Computational thinking)</p> <p>1. Types of structured data</p> <ul style="list-style-type: none"> • Date and time • String • Categorical <p>2. Representation of data</p>	<ul style="list-style-type: none"> • Understand different types of structured data, including date/time, strings, and categorical data. • Learn methods for representing structured data effectively. • Explore data through pattern recognition techniques. • Identify cases, variables, and levels of measurement within datasets. • Construct data matrices and frequency tables to summarize data. 	<ul style="list-style-type: none"> • Knowledge – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. • Application – Representing data in terms of graphs, statistical models
		<p>11 and 12 Oct 2024 Dussehra Holidays</p>		
20	14 and 19 Oct 2024	<p>3. Exploring Data Exploring data (Pattern recognition)</p> <ul style="list-style-type: none"> • Cases, variables and levels of measurement • Data matrix and frequency table • Graphs and shapes of distributions • Mode, median and mean • Range, interquartile range and box plot • Variance and standard deviation • Z-scores • Example • Practice exercise 	<ul style="list-style-type: none"> • Analyze distributions using graphical representations and shapes. • Calculate measures of central tendency (mode, median, mean) and variability (range, interquartile range, variance, standard deviation). • Utilize normalization techniques like z-scores to compare data. • Apply learned concepts through examples and practice exercises. • Develop proficiency in analyzing and interpreting structured data to make informed decisions. 	<ul style="list-style-type: none"> • Synthesis – To be able to represent a simple problem in terms of numbers
21	21 and 28 Oct 2024	<p>Major Project(Synopsis + Documentation)</p>	<p>Students will acquire the knowledge of Project Management.</p>	<p>Students will get to complete their Project work.</p>
		<p>29 Oct and 02 Nov 2024 Diwali Holidays</p>		

		<u>PART – B : SUBJECT SPECIFIC SKILLS</u>		
		<u>LEVEL 2: AI INQUIRED (AI Apply)</u>		
		Unit 8: Regression		
22	04 to 09 Nov 2024	1. Correlation and Regression <ul style="list-style-type: none"> • Crosstabs and scatterplots • Pearson's r • Regression - Finding the line • Regression - Describing the line • Regression - How good is the line? • Correlation is not causation 	<ul style="list-style-type: none"> • Comprehend correlation and regression concepts. • Analyze relationships using crosstabs, scatterplots, and Pearson's r. • Learn regression line determination and model evaluation. 	<ul style="list-style-type: none"> • Knowledge – Correlations, Regression, and other related terms
23	11 to16 Nov 2024	<ul style="list-style-type: none"> • Example contingency table • Example Pearson's r and regression Readings • Correlation • Regression • Caveats and examples 	<ul style="list-style-type: none"> • Interpret and apply results to real-world scenarios. • Practice critical thinking and evaluate prediction variations. 	<ul style="list-style-type: none"> • Applications – Being able to relate data with regression and correlation. Everyday applications of these mathematical concepts.
24	18 to 23 Nov 2024	<ul style="list-style-type: none"> • Practice exercise Correlation and Regression • Explain the importance of data from above examples • How prediction changes with changing data? 	<ul style="list-style-type: none"> • Recognize the importance of data quality and relevance in analysis. 	<ul style="list-style-type: none"> • Applications – Being able to relate data with regression and correlation. Everyday applications of these mathematical concepts.
25	25 to 30 Nov 2024	Major Project(Synopsis + Documentation)	Students will acquire the knowledge of Project Management.	Students will get to complete their Project work of Front End(Python).
26	02 to 09 Dec 2024	Revision for PA-2	Revision for PA-2	Revision for PA-2
PA II -10/12--17/12				

27	18 to 21 Dec 2024	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 2: AI INQUIRED (AI Apply)</u></p> <p>Unit 9: Classification & Clustering</p> <ol style="list-style-type: none"> 1. What is a classification problem? 2. Examples - Simple binary classification 3. Introduction to binary classification with logistic regression 4. True positives, true negatives, false positives and false negatives <ul style="list-style-type: none"> • Where we should care more with examples • Example- false negative of a disease detection can have different implication than false positive, one will be more physical harm and other will be mental 5. Practice exercise on simple Binary Classification model 	<ul style="list-style-type: none"> • Understand Classification: Define and recognize examples. • Introduction to Binary Classification: Learn with logistic regression. • Importance of Classification Errors: Recognize implications with examples. • Practice Binary Classification: Engage in exercises. 	<ul style="list-style-type: none"> • Knowledge – Clustering Problems and its application, why is it called clustering
28	23 to 28 Dec 2024	<ol style="list-style-type: none"> 6. What is a clustering problem? 7. Why is it unsupervised? 8. Examples 9. Practice exercise on simple 	<ul style="list-style-type: none"> • Understand Clustering: Define, explain unsupervised nature, and give examples. • Practice Clustering: Participate in practical exercises. 	<ul style="list-style-type: none"> • Application – Application of clustering problem using standard models
29	02 to 04 Jan 2025	<p><u>PART – A : EMPLOYABILITY SKILLS</u></p> <p>Unit 3: ICT Skills – III</p> <ol style="list-style-type: none"> 1. Introduction 2. Getting Started with LibreOffice Writer 3. Basic Interface of LibreOffice Writer 4. Saving, Closing, Opening and Printing a Document 5. Editing Text 6. Formatting Text in a Word Document 7. Changing the Case of Text 8. Checking Spelling and Grammar 9. Inserting Lists, Tables, Pictures and Shapes 10. Header, Footer and Page Number 11. Tracking Changes in LibreOffice Writer 	<ul style="list-style-type: none"> • Introduce LibreOffice Writer basics. • Navigate the interface and manage documents. • Edit, format, and transform text. • Check spelling and grammar. • Insert lists, tables, pictures, and shapes. • Add headers, footers, and page numbers. • Track changes within documents. 	<ul style="list-style-type: none"> • Create a document on word processor • Edit, save and print a document in word processor

30	06 to 11 Jan 2025	<p><u>PART – A : EMPLOYABILITY SKILLS</u></p> <p>Unit 4: Entrepreneurial Skills – III</p> <ol style="list-style-type: none"> 1. Introduction 2. Values of an Entrepreneur 3. Attitude of an Entrepreneur 4. Thinking like an Entrepreneur to Solve Problems 5. Understanding the Market 6. Business Planning 7. Improving and Growing Business 	<ul style="list-style-type: none"> • Introduce entrepreneurship and its values. • Cultivate the entrepreneurial mindset and attitude. • Foster problem-solving skills and market understanding. • Develop business planning expertise. • Facilitate business improvement and growth strategies. • Introduce entrepreneurship and its values. 	<ul style="list-style-type: none"> • Describe the significance of entrepreneurial • Demonstrate the knowledge of attitudinal changes required to become an entrepreneur
31	13 to 18 Jan 2025	<p><u>PART – B : SUBJECT SPECIFIC SKILLS</u></p> <p><u>LEVEL 2: AI INQUIRED (AI Apply)</u></p> <p>Unit 10: AI Values (Bias awareness)</p> <ol style="list-style-type: none"> 1. AI working for good 2. Principles for ethical AI 3. Types of bias (personal /cultural /societal) 4. How bias influences AI based decisions 5. How data driven decisions can be Debaised 6. Hands on exercise to Detect the Bias 	<ul style="list-style-type: none"> • Understand the potential of AI for societal good. • Learn ethical principles guiding AI development. • Identify types of bias (personal, cultural, societal) and their influence on AI decisions. • Explore debiasing techniques for data-driven decisions. • Engage in hands-on exercises to detect bias in AI algorithms. 	<ul style="list-style-type: none"> • Knowledge – What is ethics, Impact of ethics on society, the impact of bias on AI functioning • Evaluation – Biases in data, how to de-bias or neutralize the biased data • Application – Finding bias in acquired dataset
32	20 to 25 Jan 2025	<p><u>PART – A : EMPLOYABILITY SKILLS</u></p> <p>Unit 5: Green Skills – III</p> <ol style="list-style-type: none"> 1. Introduction 2. Policies for a Green Economy 3. Green Economy – Key Stakeholders 4. Government and Private Agencies 	<ul style="list-style-type: none"> • Introduce the concept of a green economy. • Explore policies for environmental sustainability. • Identify key stakeholders, including government and private agencies. • Understand the roles and objectives of these stakeholders in promoting a green economy. 	<ul style="list-style-type: none"> • Describe importance of main sector of green economy • Describe the major green Sectors/Areas and the role of various stakeholder in green economy
33	27 to 01 Feb 2025	Revision for Term 2	Revision for Term 2	Revision for Term 2
34	03 Feb to 08 Feb 2025	Revision for Term 2	Revision for Term 2	Revision for Term 2
35	11 Feb to 22 Feb 2025	Annual Exam	Annual Exam	Annual Exam

Subject:- FINANCIAL MARKET MANAGEMENT**Book Followed:- NCERT**

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	27 Mar to 1 April 2024	Unit 1: Markets and Financial Instruments 1.Origin of Indian financial system 2.Need of an investment. 3.Concept of inflation 4.Concept of tax management	To enable the students to: 1. Identify the need of savings and investments 2. Prepare flow chart depicting pillars of Financial Market 3. Write atleast two ways of allocating funds in real life situation. 4.Aprise the importance of investment in tax management.	Students will be able to: 1.Appreciate the habit of saving and investment. 2. Enumerate the benefit of tax management. 3.learn to cope up with the rising inflation with suitable investment strategies.
2	3 to 8 April 2024	Unit 1: Markets and Financial Instruments 5.Investors, borrowers and savers 6..Financial Assets	To enable the students to: 1.Identify and compare various channels of investment 2. list out various benefits of each type of investment channels.	Students will be able to: 1.Discuss the relation between inflows and outflows of fund in the economic system. 2.Understand various financial assets and their characteristics.
3	10 to 15 April 2024	Unit 1: Markets and Financial Instruments 7.Intermediaries 8..Regulators 9. Capital Appreciation 10. Dividend yield	To enable the students to: 1. Examine the responsibility of Intermediaries in the smooth transactions 2. Specify functions of various regulators. 3.Interepre returns of companies share prices 4. Analyse Dividend yield of a company selected	Students will be able to: 1.Appreciate the role of regulators in the fair dealings. 2..Analyse the impact of intermediaries on the cost of transactions. 3. learn the method of calculating capital appreciation and dividend yield.

4	17 to 22 April 2024	Unit 2: Primary and Secondary Market 1. Financial Markets: concept and types. 2. Money market and its instruments.	To enable the students to: 1. Depict the allocative function of financial market. 2. Discover various functions of financial market. 3. Classify types of financial market.	Students will be able to: 1. Understand the concept of financial market, money market and capital market. 2. Realise the role of money market instrument in maintaining liquidity. 3.
5	24 to 29 April 2024	Unit 2: Primary and Secondary Market 1. Capital market and its types (primary and secondary). 2. Stock Exchange - functions and trading procedure.	To enable the students to: 1. Recall various instruments in money market and their uses. 2. Differentiate between Primary and secondary market. 3. Acknowledge the importance of stock exchange in the financial intermediation process.	1. Understand various instruments issued in the money market. 2. Recall various methods of floatation in the primary market. 3. List out trading procedure in the secondary market. 4. Discuss the functions of stock exchange
6	15 to 24 June 2024	Unit 2: Primary and Secondary Market 3. Depository Services and D'mat Account. 4. Securities and Exchange Board of India (SEBI) - objectives and functions.	1. State the use of dematerialisation in trading procedure. 2. Enumerate the functions of SEBI as the watch dog.	1. Understand the concept of conversion of physical form of share. 2. Explain various functions of the watch dog of Indian stock market.
7	26 June to 1 July 2024	Employability Skills: Communication Skills 1. Importance of active listening at workplace 2. Steps to active listening	To enable the students to: 1. Demonstrate the importance of communication skills in the field of finance with the help of small skit. 2. Prepare posters of steps for active listening.	1. Communicate effectively and persuasively while dealing with various participants in the financial market.
8	3 to 8 July 2024	Employability Skills: Communication Skills 3. Parts of Speech 4. Writing skills 5. Barriers to effective communication	To enable the students to: 1. Demonstrate various barriers to effective communication with the help of a role play.	1. Understand types of communication barriers. 2. Suggest measures to overcome barriers to communication.
9	10 to 15 July 2024	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)
10	17 to 22 July 2024	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)	REVISION FOR PA 1 (PA 1 --15/7 to 21/7)

11	24 to 29 July 2024	Unit 3: Mutual Fund and its product 1 Introduction: 2.2 Mutual Funds: Structure In India .3 Who Manages Investor's Money? 4 Who is a Custodian 5 What is the Role of the AMC .	To enable the students to: 1.Depicts the structure of mutual fund in India 2.Recall key terminologies related to Mutual funds	Students will be able to: 1. Understand the concept and origin of Mutual fund. 2. Discuss various key elements of mutual funds.
12	31 July to 5 Aug 2024	Unit 3: Mutual Fund and its product 6 What is an NFO 7 What is the role of a registrar and transfer agents? 8 What is the procedure for investing in an NFO? 9 What are the investor's rights & obligations? 10 What are the different schemes offered by Mutual Funds? 11. Open ended and close ended funds.	To enable the students to: 3..Investigate various mutual funds products available and their benefits 4. Write atleast two schemes being offered by mutual funds companies . 5. Compare various schemes .	Students will be able to: 1.Learn various techniques to compare and analyse different schemes.
13	7 to 12 August 2024	Unit 3: Mutual Fund and its product 12.Calculation of NAV 13. Calculation of Index	To enable the students to: 1.Apply various quantitative tools to evaluate the performance of mutual funds. 2. Comment upon the performance of mutual fund. 3. Suggest ways to outperform the market.	Students will be able to: 1. Understand steps in the calculation of NAV 2. Explain various methods of Index calculation. 3.Calculate amount to be invested in Index fund.
14	14 to 19 August 2024	Unit 3: Mutual Fund and its product 14. Calculation of Index fund	To enable the students to: 1.Apply various quantitative tools to evaluate the performance of mutual funds. 2. Comment upon the performance of mutual fund. 3. Suggest ways to outperform the market.	Students will be able to: 1. Understand steps in the calculation of NAV 2. Explain various methods of Index calculation. 3.Calculate amount to be invested in Index fund.

15	21 to 26 August 2024	Unit 4 ETF, DEBT and Liquid Fund 1.Introduction to Exchange Traded Funds 2.Gold ETF 3. REIT Funds 4. Debt Fund 5.Sovereign Gold Bonds. 6. Types of Risks	Enable the students to: 1. Investigate and write a report on ETF, Gold ETF, REIT ETF, of any two real mutual funds companies 2. Write characteristics of SGB issued by the Government of India.	Students will be able to: 1.learn the concept of ETF, Gold ETF, REIT ETF and SGB. 2. Illustrate different types of risks associated with investment.
16	28 Aug to 2 Sept 2024	Unit 4 ETF, DEBT and Liquid Fund 7. Calculation of Present values and future values	Enable the students to: 1.Apply the concept of time value of money. 2. Draw a time line showing present value and future values over investment horizons. 3. Interpret the values to take optimum decisions.	Students will be able to: 1. Understand the method of calculating present value and future values of cash flows. 2. Calculate methods of pricing securities.
17	4 to 9 Sept 2024	Unit 4 ETF, DEBT and Liquid Fund 7. Calculation of Present values and future values	To enable the students to: 1.Apply the concept of time value of money. 2. Draw a time line showing present value and future values over investment horizons. 3. Interpret the values to take optimum decisions.	Students will be able to: 1. Understand the method of calculating present value and future values of cash flows. 2. Calculate methods of pricing securities.
18	11 to 13 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
19	14 to 27 Sept 2024	Term 1 exam	Term 1 exam	Term 1 exam
20	28 to 30 Sept. 2024	Employability Skills: Entrepreneurship Skills 1. Concept of entrepreneur, entrepreneurship and enterprise 2. Behavioural and entrepreneurial competencies –	To enable the students to: 1.Collect small story/ anecdote of prominent successful entrepreneur and identify competencies they own. 2.Demonstrate the knowledge of self assessment of behavioural competencies	Students will be able to : 1..Understand the concept of entrepreneurship 2. Identify the general and entrepreneurial behavioural competencies

21	2 to 7 Oct 2024	Employability Skills: Entrepreneurship Skills 3.Barriers to becoming entrepreneur	To enable the students to: 1. List out ways that can hinder the growth of an entrepreneur 2. Suggest ways to over come those barriers. 3.Develop business acumen and entrepreneurial skills for financial markets	Students will be able to : 1. Discuss various hurdeles exposing risk to entrepreneurship. 2. Identify ways to remove barriers.
22	9 to 14 Oct 2024	Unit 5: Taxation and Regulation 1. Income Tax Slabs 2.Capital gains taxation	To enable the students to: 1. Recall slabs as per the old tax regime and new tax regime 2.Assess various deductions available to an individual tax payer 2. Compute the tax liability of an individual tax payer	Students will be able to : 1. Develop interest in the taxation system of India and its role in the Annual Budget. 2.Enumerate important deductions available for the purpose of tax mangement. 3. Acquiant with the cooncept of long term and short term capital gain.
23	16 to 21 Oct 2024	Unit 5: Taxation and Regulation and Project work 3.Indexation benefit 4, Dividend distribution tax	To enable the students to: 1.Compute dividend distribution tax. 2. Critically analyse the indexation benefits available to the investors. 3.Recall the rates of dividend distribution tax in intraday trading and holding.	Students will be able to : 1. Understand the concept of indexation. 2. Learn the calculation of
	Dushera break 23- 25 Oct			
24	26 to 28 Oct 2024	Unit 5: Taxation and Regulation 5. Systematic Investment Plan (SIP) 6. Systematic Transfer Plan (STP) 7.. Systematic Withdrawal Plan (SWP)	To enable the students to: 1. Articulate various schemes such as SIP, STP and SWP 2. Suggest the suitable scheme to achieve the investment goal.	Students will be able to : 1. Highlight the benefits of having different offers of the schemes by Mutual funds. 2. Prepare the comparative statement analysis of any two schemes/

25	30 Oct to 4 Nov 2024	Unit 5: Taxation and Regulation 5. Systematic Investment Plan (SIP) 6. Systematic Transfer Plan (STP) 7.. Systematic Withdrawal Plan (SWP)	To enable the students to: 1. Articulate various schemes such as SIP, STP and SWP 2. Suggest the suitable scheme to achieve the investment goal.	Students will be able to : 1. Highlight the benefits of having different offers of the schemes by Mutual funds. 2. Prepare the comparative statement analysis of any two schemes/
26	6 to 9 Nov 2024	Unit 5: Taxation and Regulation Choosing between dividend payout, dividend reinvestment and growth options – which one is better for the investor	To enable the students to: 1. Tabular representation of the impact of Choosing between dividend payout, dividend reinvestment and growth options	Students will be able to : learn various options of investment, reinvestment and disinvestment arising out of the process of churning.
	Diwali break 10 -15 Nov			
27	16 to 18 Nov 2024	Unit 5: Taxation and Regulation Choosing between dividend payout, dividend reinvestment and growth options – which one is better for the investor	To enable the students to: 1. Tabular representation of the impact of Choosing between dividend payout, dividend reinvestment and growth options	Students will be able to : learn various options of investment, reinvestment and disinvestment arising out of the process of churning.
28	20 to 25 Nov 2024	Employability Skills: Self Management Skills	To enable the students to: 1.1. Finding and listing motives (needs and desires) 2. Finding sources of motivation and inspiration (music, books,activities);expansive thoughts; living fully in the present moment;dreaming big.	Students will be able to : 1. Familiarize with the concept of internal and external motivation. 2. Describe the various factors influencing self motivation
29	28 Nov to 2 Dec 2024	Employability Skills: Self Management Skills	To enable the students to: 3. Discuss the meaning of personality 4.. Identify the factors influencing personality others 5.. Develop an understanding of basic personality traits 4.	Students will be able to : 3. Describe the basic personality traits, types and disorders

30	4 to 9 Dec 2024	Employability Skills: Self Management Skills common personality disorders paranoid, antisocial, schizoid, borderline, narcissistic, avoidant, dependent and obsessive	To enable the students to: 1.. list out common personality disorders emerging out due to external environments and upbringing. 2. identify different characteristics which they have witnessed in their own self and their family members. 3. Realise the need of self management skills in the success of a person	Students will be able to : 1. learn about various personality disorders 2. Discuss ways to take care of people with various types of personality disorders.
31	11 to 16 Dec 2024	REVISION FOR PA II	REVISION FOR PA II	REVISION FOR PA II
	PA II -6/12--13/12			
32	18 to 23 Dec 2024	Unit 6: Qunatitative evaluation of mutual fund scheme: Project work 1. Selection of Companies any 5 and observing share prices for 10 days	To enable the students to 1.Develop a practical approach by using modern technologies in the field of business and management; 2. Get an opportunity for exposure to the operational environment in the field of business management and related services; 3.Gget involved in the process of research work; demonstrate his or her capabilities while working independently and	Students will be able to : Inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions
33	26 to 28 Dec 2024	Unit 6: Qunatitative evaluation of mutual fund scheme: Project work 2. Calculation of returns	To enable the students to 1.Develop a practical approach by using modern technologies in the field of business and management; 2. Get an opportunity for exposure to the operational environment in the field of business management and related services; 3.Gget involved in the process of research work; demonstrate his or her capabilities while working independently and	Students will be able to : Inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions

34	2 to 6 Jan 2024	Unit 6: Qunatitative evaluation of mutual fund scheme: Project work 3. Calculation of Risks	To enable the students to 1.Develop a practical approach by using modern technologies in the field of business and management;2. Get an opportunity for exposure to the operational environment in the field of business management and related services;3.Gget involved in the process of research work; demonstrate his or her capabilities while working independently and	Students will be able to :Inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions
35	8 to 13 Jan 2024	Unit 6: Qunatitative evaluation of mutual fund scheme: Project work 4. Calculation of Beta	To enable the students to 1.Develop a practical approach by using modern technologies in the field of business and management; 2. Get an opportunity for exposure to the operational environment in the field of business management and related services; 3.Get involved in the process of research work; demonstrate his or her capabilities while working independently and	Students will be able to : Inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions
36	15 to 20 Jan 2024	Unit 6: Qunatitative evaluation of mutual fund scheme: Project work preperation of project file and submission	To enable the students to 1.Develop a practical approach by using modern technologies in the field of business and management; 2. Get an opportunity for exposure to the operational environment in the field of business management and related services; 3.Gget involved in the process of research work; demonstrate his or her capabilities while working independently and	Students will be able to : Inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions
37	22 to 27 Jan 2024	REVISION FOR TERM 2 (1/2-----12/2)	REVISION FOR TERM 2 (1/2-----12/2)	REVISION FOR TERM 2 (1/2-----12/2)
38	29 to 31 Jan 2024	REVISION FOR TERM 2 (1/2-----12/2)	REVISION FOR TERM 2 (1/2-----12/2)	REVISION FOR TERM 2 (1/2-----12/2)

39	29 to 31 Jan 2024	REVISION		
40	29 to 31 Jan 2024	REVISION		

Subject:- PSYCHOLOGY

Book Followed:- NCERT

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Chapter-1: What is Psychology? 1. Introduction 2. What is Psychology? · Psychology as a Discipline · Psychology as a Natural Science · Psychology as a Social Science	1.To enumerate the usefulness of psychology in everyday life. 2.To explain the role of psychology in understanding mind and behaviour. 3.To understand the strong connection of Psychology to nature science,social science and other disciplines of study.	Students will be able to 1.To express in their own words what is meant by psychology. 2.To understand the feelings and analyse the possible psychological processes involved in these.
2	8 to 13 April 2024	3. Understanding Mind and Behaviour 4. Popular Notions about the Discipline of Psychology 5. Evolution of Psychology	1.To develop understanding of psychology as a discipline and its relationships with other sciences. 2.To understand the different notions of Psychology.	1.Students will be able to understand how psychology as a discipline can help in better understanding of their inner self. 2.Understand the different situations and incidents around them.
3	15 to 20 April 2024	6. Development of Psychology in India 7. Branches of Psychology	1.To state the different branches of psychology. Specifically the branches in India. 2.development of psychology in India throughout the years.	1.Students will have the knowledge of different branches of psychology. 2.They will know how the study of psychology emerged and grew with time.
4	22 to 30 April 2024	8. Psychology and Other Disciplines 9. Psychology in Everyday Life	1.To arouse interest and analyse things/ situations around them which can be better understood with the help of psychology. 2.How is Psychology connected to everyday life.	1.Students will learn the need of knowledge of psychology in different professions/fields (agriculture, industry, medical, engineering, medical, teaching, etc.)
5	15 to 16 June 2024	Psychological Experiment-1	Effect of meaningfulness on Learning.	
6	17 to 22 June 2024	Chapter-5"Sensory,Attentional& Perceptual Processes." 1. Introduction 2. Knowing the world. 3. Nature and varieties of Stimulus.	1.To describe the processes and types of attention. 2.To explain the nature of sensory processes, i.e. how various sensory stimuli are received. 3.To attend to stimuli and give meaning.	1.Students will learn to give attention to different stimuli. 2.They will be able to connect sensory processes in activities like dancing, playing an instrument, riding a bicycle, walking, eating, drinking, sleeping, etc.
7	24 to 29 July 2024	4. Sense Modalities · Functional limitation of sense organs. 5. Attentional Processes · Selective Attention · Sustained Attention	1.To enable students to describe how various sensory stimuli are received, attended to and given meaning. 2.To describe the processes and types of attention. 3. To understand how can attention be classified.	1.Studenys will be able to describe how various sensory stimuli are received, attended to and given meaning. 2.Students will be able to understand how the process of attention takes place in different manners.

8	1 to 6 July 2024	6. Perceptual Processes · Processing Approaches in Perception 7. The Perceiver 8. Principles of Perceptual Organisation 9. Perception of Space, Depth and Distance · Monocular Cues and Binocular Cues 10. Perceptual Constancies 11. Illusions 12. Socio-Cultural Influences on Perception	1. To understand how the native culture have shaped the understanding of various aspects of life and behaviour. 2. To identify different characteristics which students can witness in their own self and their family members. 3. To Classify these according to the life-span perspective and present through small role plays.	1. Students will understand their native culture and will also develop understanding of various aspects of life and their behaviour. 2. They will identify different characteristics which they have witnessed in their own self and their family members. 3. Will be able to classify these according to the life-span perspective.
9	8 to 11 July 2024	Revision For PA	Revision For PA	Revision For PA
	PA -1 (12 to 22 July)	PA -1	PA -1	PA -1
10	23 to 27 July 2024	Chapter-6 Learning "1. Introduction 2. Nature of Learning 3. Paradigms of Learning"	1. To explain the nature of learning . 2. To understand different forms or types of learning. 3. Paradigms of Learning.	1. Students will understand the nature of learning and connection between different forms or types of learning. 2. Will be able to understand the Paradigms of Learning.
11	29 July to 3 August 2024	4. Classical Conditioning · Determinants of Classical Conditioning 5. Operant/Instrumental Conditioning · Determinants of Operant Conditioning · Key Learning Processes	1. To enumerate various psychological processes that occur during learning and influence its course ie Operant learning. 2. Classical Learning and its example.	1. Students will be able to understand various psychological processes that occur during learning and influence its course ie Operant learning. 2. Classical Learning in detail with its practical implementation in life.
12	5 to 10 Aug 2024	6. Observational Learning 7. Cognitive Learning 8. Verbal Learning 9. Skill Learning 10. Factors Facilitating Learning 11. Learning Disabilities	1. To explain Observational Learning Cognitive Learning Verbal Learning Skill Learning Factors Facilitating Learning Learning Disabilities	1. Students will be able to understand Observational Learning Cognitive Learning Verbal Learning Skill Learning Factors Facilitating Learning Learning Disabilities
13	12 to 17 August 2024	Chapter-7 Human Memory 1. Introduction 2. Nature of memory 3. Information Processing Approach : The Stage Model	1. To explain the nature of memory 2. To make students understand various psychological processes that occur during learning, memory and thinking.	1. Students will be able to understand various psychological processes that occur during learning, memory and thinking.

14	19 to 24 August 2024	4. Memory Systems : Sensory, Short-term and Longterm Memories 5. Levels of Processing	1.To Explain the memory system 2.To distinguish different types of memory.	An understanding of the memory system will develop as how the information goes from the environment into the long term memory.
15	26 to 31 August 2024	6. Types of Long-term Memory- Declarative and Procedural; Episodic and Semantic	1.To explain the different types of long term memory where data,information,facts,episodes ,incidents,even the flash backs of the past is stored.	1.Students will get to know the different types of long term memory where data,information,facts,episodes ,incidents,even the flash backs of the past is stored.
16	2 to 7 Sept 2024	7. Nature and Causes of Forgetting. · Forgetting due to Trace Decay, Interference and Retrieval Failure	1.To explain the nature and causes of forgetting and the strategies for improving memory. 2.What is trace decay? 3.What is retrieval failure?	1.Students will be able to understand the nature and causes of forgetting and the strategies for improving memory. 2. They will learn trace decay and retrieval failure easily.
17	9 to 16 Sept 2024	8. Enhancing Memory · Mnemonics using Images and Organisation	1.Students will be taught the different methods to improve memory using images and mnemonics.	1.Students will learn the different methods to improve memory using images and mnemonics.
18	9 to 16 Sept 2024	REVISION	REVISION	REVISION
19	18 to 30 Sept 2024	TERM -1	TERM -1	TERM -1
20	1 to 10 Oct 2024	Chapter-8 Thinking 1. Introduction 2. Nature of Thinking · Building Blocks of Thought 3. The Processes of Thinkin	1.To describe the nature of thinking and reasoning. 2.What are mental images and how they become the building block of thoughts.	1.Students will be able to understand the nature of thinking and reasoning. and relation of thoughts and mental image.
	11 and 12 Oct 2024 (Dussehra Holidays)	(Dussehra Holidays)	(Dussehra Holidays)	(Dussehra Holidays)
21	14 to 19 Oct 2024	4. Problem Solving 5. Reasoning 6. Decision-making	1.To explain how cognitive processes are involved in problem solving and decision-making.	1.Students will learn how cognitive processes are involved in problem solving and decision-making.
22	21 to 28 Oct 2024	7. Nature and Process of Creative Thinking · Nature of Creative Thinking · Process of Creative Thinking	1.What is Nature and Process of Creative Thinking · Nature of Creative Thinking · Process of Creative Thinking	1.Students will be able to explore the challenges faced by people in daily life. 2.The role of creative thinking in life.
	29 Oct to 2 Nov 2024 (Diwali Holidays)	(Diwali Holidays)	(Diwali Holidays)	(Diwali Holidays)

23	4 to 9 Nov 2024	8. Thought and Language 9. Development of Language and Language Use	1.To understand the connection of Thought and Language 2.Development of Language and Language Use	1.Students will be able to identify sources of stress and discuss various strategies to cope with stress through use of language.
24	11 to 16 Nov 2024	Chapter-9 Motivation and Emotion 1. Introduction 2. Nature of Motivation.	1.To explain the importance of motivation and emotion. 2.Nature of Motivation.	1.Students will be able to explain the nature of human motivation, emotion,intelligence and personality.
25	18 to 23 Nov 2024	3. Types of Motives · Biological Motives · Psychosocial Motives 4. Maslow's Hierarchy of Needs 5. Nature of Emotions	1.What are different types of Motives Biological Motives Psychosocial Motives Maslow's Hierarchy of Needs Nature of Emotion.	1.Students will learn the different types of Motives Biological Motives Psychosocial Motives Maslow's Hierarchy of Needs Nature of Emotion.
26	25 to 23 Nov 2024	6. Expression of Emotions· Culture and Emotional Expression · Culture and Emotional Labelling 7. Managing Negative Emotions 8. Enhancing Positive Emotions	1.To explain the Expression of Emotions 2.Culture and Emotional Expression 3.Culture and Emotional Labelling 4.Managing Negative Emotions 5.Enhancing Positive Emotion	1.Students will learn the Expression of Emotions 2.Culture and Emotional Expression 3.Culture and Emotional Labelling 4.Managing Negative Emotions 5.Enhancing Positive Emotion
27	2 to 9 Dec 2024	Psychological Experiment-2	Psychological Experiment-2	Psychological Experiment-2
28	(PA-2) 10 to 17 Dec 2024	PA-2	PA-2	PA-2
29	18 to 21 Dec 2024	REVISION		
30	23 to 28 Dec 2024	REVISION		
31	2 to 4 Jan 2024	REVISION		
32	6 to 11 Jan 2024	REVISION		
33	13 to 18 Jan 2024	REVISION		
34	20 to 25 Jan 2024	REVISION		
35	27 Jan to 1 Feb 2024	REVISION		

Subject:- Entrepreneurship
Book Followed:- Poonam Gandhi / NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	01 to 06 April 2024	Unit 1: Entrepreneurship: Concept and Functions	To enable the students - 1. Explain the Entrepreneurship – Concept, Functions and Need	Students will be able to- 1. familiarize the concept of Entrepreneurship
2	8 to 13 April 2024	Unit 1: Entrepreneurship: Concept and Functions	To enable the students - 1. Interpret Why Entrepreneurship for You and Myths about Entrepreneurship	Students will be able to- 1. Explain the functions of an Entrepreneur, 2. Appreciate the need for Entrepreneurship in our economy, and assess how entrepreneurship can help shape one's career
3	15 to 20 April 2024	Unit 1: Entrepreneurship: Concept and Functions	To enable the students - 1. Analyse the Advantage and Limitations of Entrepreneurship, Process of Entrepreneurship	Students will be able to- 1. State the myths, advantages and limitations of Entrepreneurship, and the steps in the process of Entrepreneurship
4	22 to 30 April 2024	Unit 1: Entrepreneurship: Concept and Functions	To enable the students - 1. Discuss the Entrepreneurship – Indian Scenario	Students will be able to- 1..Describe the current scenario of Entrepreneurial activity in India
5	15 to 22 June 2024	Unit 2: An Entrepreneur	To enable the students - 1. Determine that Why be an Entrepreneur	Students will be able to- 1. Evaluate the motivation to become an entrepreneur
6	24 to 29 June 2024	Unit 2: An Entrepreneur	To enable the students - 1. Classify the different types of Entrepreneurs	Students will be able to- 1. Differentiate between various types of entrepreneurs
7	1 to 06 July 2024	Unit 2: An Entrepreneur	To enable the students - 1. Describe the Competencies and characteristics of entrepreneurship	Students will be able to- 1. Explain the competencies of an Entrepreneur, 2. Appreciate the importance of Ethical Entrepreneurship.

8	01 to 06 July 2024	Unit 2: An Entrepreneur	To enable the students - 1. Categorize the entrepreneurial Values, Attitudes and Motivation, Intrapreneur: Meaning and Importance	Students will be able to- 1. Appreciate the difference between Entrepreneur and Intrapreneur
9	08 to 11 July 2024	REVISION FOR PA 1 (PA 1 --12/7 to 22/7)	REVISION FOR PA 1 (PA 1 --12/7 to 22/7)	REVISION FOR PA 1 (PA 1 --12/7 to 22/7)
10	23 to 27 July 2024	Unit 3: Entrepreneurship Journey	To enable the students - 1. Aprise the Idea generation.	Students will be able to- 1. Understand ways of idea generation.
11	29 to 03 Aug 2024	Unit 3: Entrepreneurship Journey	To enable the students - 1. Quote the Feasibility Study and opportunity assessment	Students will be able to- 1. Discuss the concept of types of feasibility study
12	05 to 10 Aug 2024	Unit 3: Entrepreneurship Journey	To enable the students- 1. Elucidate the Business Plan: meaning, purpose and elements	Students will be able to- 1. Draft a basic business plan
13	12 to 17 August 2024	Unit 3: Entrepreneurship Journey	To enable the students - 1. Execution of Business Plan	Students will be able to- 1. Understand the reasons for success and failure of business plan
14	19 to 24 August 2024	Unit 5: Understanding the Market	To enable the students - 1. Depict the Market: Concept, Types	Students will be able to- 1. Scan the market environment
15	26 to 31 August 2024	Unit 5: Understanding the Market	To enable the students - 1. Enumerate the Micro and Macro Market Environment	Students will be able to- 1. Learn how to conduct market research
16	26 Aug to 31 Aug 2024	Unit 5: Understanding the Market	To enable the students - 1. Depicts the Market Research - Concept, Importance and Process	Students will be able to- 1. Understand the elements of marketing mix
17	02 to 07 Sep 2024	Unit 5: Understanding the Market	To enable the students - 1. Interpret the Marketing Mix concept.	Students will be able to- 1. determine the Elements of marketing mix- Product,price,place, promotion.
18	09 to 16 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1

19	18 to 30 Sept 2024	Term 1 exam	Term 1 exam	Term 1 exam
20	01 to 10 Oct. 2024	Unit 7: Resource Mobilization	To enable the students - 1. List out ways the types of Resources – Physical, Human, Financial and Intangible.	Students will be able to- 1. Identify the different types of resource tools – Physical and material, Human, Financial, Intangibles
Dussehra break 11- 12 Oct 2024				
21	14 to 19 Oct 2024	Unit 7: Resource Mobilization	To enable the students - 1. List out ways the types of Resources – Physical, Human, Financial and Intangible.	Students will be able to- 1. Identify the different types of resource tools – Physical and material, Human, Financial, Intangibles
22	21 to 28 Oct 2024	Unit 7: Resource Mobilization	To enable the students - 1. Elucidate the Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc.	Students will be able to- 1. Identify the different types of resource tools – Physical and material, Human, Financial, Intangibles
23	21 to 28 Oct 2024	Unit 7: Resource Mobilization	To enable the students - 1. Elucidate the Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc.	Students will be able to- 1. Identify the different types of resource tools – Physical and material, Human, Financial, Intangibles
Diwali break 29 Oct -02 Nov 2024				
24	04 to 09 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Concept about the Entrepreneurs as problem solvers	Students will be able to- 1. Understand & explain the role of entrepreneurs as problem solvers
25	11 Nov to 16 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Assess the Innovations and Entrepreneurial Ventures – Global and Indian	Students will be able to- 1. Appreciate the role of global and Indian innovations in entrepreneurial ventures
26	18 to 23 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Detailed investigate the Role of Technology – E-commerce and Social Media	Students will be able to- 1. Acquaint with the use of technology and digitization for new businesses.

27	25 to 30 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Discuss the Social Entrepreneurship - Concept	Students will be able to- 1. Familiarize with the concept of social entrepreneurship
28	25 to 30 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Discuss the Social Entrepreneurship - Concept	Students will be able to- 1. Familiarize with the concept of social entrepreneurship
29	25 Nov to 30 Nov 2024	Unit 4: Entrepreneurship as Innovation and Problem Solving	To enable the students - 1. Discuss the Social Entrepreneurship - Concept	Students will be able to- 1. Familiarize with the concept of social entrepreneurship
30	25 to 30 Nov 2024	Unit 6: Business Finance and Arithmetic	To enable the students - 1. Enable to calculate the Unit of Sale, Unit Price and Unit Cost - for single product or service	Students will be able to- 1. calculate and Discuss - Unit Cost, Unit of Sale, Unit Price of a product or service
31	02 to 09 Dec 2024	REVISION FOR PA II	REVISION FOR PA II	REVISION FOR PA II
	PA II -10/12--17/12	PA II -10/12--17/12	PA II -10/12--17/12	PA II -10/12--17/12
32	18 to 21 Dec 2024	Unit 6: Business Finance and Arithmetic	To enable the students - 1. Enable to calculate the Unit of Sale, Unit Price and Unit Cost - for single product or service	Students will be able to- 1. calculate and Discuss - Unit Cost, Unit of Sale, Unit Price of a product or service
33	23 to 28 Dec 2024	Unit 6: Business Finance and Arithmetic	To enable the students - 1. List out the different types of Costs - Start up, Variable and Fixed	Students will be able to- 1. Understand the components of COST - Start-up and operational costs
34	2 to 4 Jan 2025	Unit 6: Business Finance and Arithmetic	To enable the students - 1. List out the different types of Costs - Start up, Variable and Fixed	Students will be able to- 1. Understand the components of COST - Start-up and operational costs
35	6 to 11 Jan 2025	Unit 6: Business Finance and Arithmetic	To enable the students - 1. calculate the Break Even Analysis - for single product or service	Students will be able to- 1. Acquiant with the Calculate break even of single product and service
36	13 to 18 Jan 2025	Unit 6: Business Finance and Arithmetic	To enable the students - 1. calculate the Break Even Analysis - for single product or service	Students will be able to- 1. Acquiant with the Calculate break even of single product and service

37	20 Jan to 10 Feb 2025	REVISION FOR TERM 2	REVISION FOR TERM 2	REVISION FOR TERM 2
38	11 to 22 Feb 2025	TERM 2 (11/2-----22/2)	TERM 2 (11/2-----22/2)	TERM 2 (11/2-----22/2)

Subject:- COMPUTER SCIENCE

Book Followed:- Computer Science with Python(Sumita Arora)

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 6 April 2024	Unit 2: Computational Thinking and Programming - 1 Ch 7 - Python Fundamentals 1. Introduction: What is Python? 2. History of Python 3. Why learn Python? 4. Applications of Python 5. Basic Syntax of Python a. Character Set b. Tokens : Keywords, Identifiers/Names, Literals/Values, Operators, Punctuators 6. String Types in Python : Single Line String and Multiline String	To enable the students to - 1. Explain the Introduction of Python. 2. Discuss about the importance of Python. 3. Describe the uses of Python 4. Classify the basic syntax of Python	Students will be able to familiarize themselves with Python Environment.
2	08 to 13 April 2024	Unit 2: Computational Thinking and Programming - 1 Ch 7 - Python Fundamentals + Practicals 7. Variables and Assignments a. Creating a variable b. Multiple Assignments c. Variable Definition d. Difference between Dynamic typing and static typing 8. Simple Input and Output a. Reading Numbers through input() b. Output through print() statement c. print features	To enable the students to - 1. Demonstrate the Variables and Assignments 2. Interpret the simple Input and Output Functions.	Students will be able to develop basic computational thinking.

3	15 to 20 April 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 8 - Data Handling</p> <p>1. Introduction: Data Handling</p> <p>2. Data Types: a. Numbers b. Strings c. List d. Tuples e. Dictionary</p> <p>3. Mutable Types : List, Dictionary, Set</p> <p>4. Immutable Types : int, float, complex,string, tuple</p> <p>5.Variable internals : a type, a value, an id</p>	<p>To enable the students to –</p> <p>1. Explain the Introduction of Data Handling</p> <p>2. Classify the Data Types.</p> <p>3. Compare Mutable and Immutable Types.</p>	<p>Students will be able to acquire the concepts to handle the data in Python.</p>
4	22 to 30 April 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 8 - Data Handling + Practicals</p> <p>6. Definition and Types of Operators:</p> <p>a. Arithmetic Operators(Unary & Binary)</p> <p>b. Relational Operators</p> <p>c. Identity Operator</p> <p>d. Logical Operators</p> <p>e. Bitwise Operators</p> <p>f. Operator Precedence</p> <p>g. Operator Associativity</p> <p>7. Definition of Expressions</p> <p>8. Types of Expressions:</p> <p>a. Arithmetic Expression</p> <p>b. Relational Expression</p> <p>c. Logical Expression</p> <p>d. String Expression</p> <p>9. Evaluating Expressions based on Arithmetic, Relational and Logical</p>	<p>To enable the students to -</p> <p>1. Explain the Definition and Types of Operators.</p> <p>2. Compare of Expressions and its types.</p> <p>3. Evaluate the Expressions based on Arithmetic, Relational and Logical</p>	<p>Students will be able to learn the Types of Operators.</p>

5	15 to 22 June 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 8 - Data Handling + Practicals</p> <p>10. Type Casting: Explicit and Implicit</p> <p>11. Python Data Conversion Functions</p> <p>12. Type Casting Issues</p> <p>13. Mutable Types : List, Dictionary, Set</p> <p>14. Immutable Types : int, float, complex, string, tuple</p> <p>15. Variable internals : a type, a value, an id</p> <p>16. Introduction: Debugging</p> <p>17. What is an Error or bug?</p> <p>18. Types of an Error:</p> <p>a. Compile Time Error : Syntax Error and Semantic Error</p> <p>b. Run Time Error</p> <p>c. Logical Error</p> <p>19 What is an Exception?</p> <p>20. Types of Exceptions</p> <p>21. Debugging using Code Tracing and Dry Run</p>	<p>To enable the students to –</p> <ol style="list-style-type: none"> 1. Discuss the Type Casting, its types and issues. 2. Explain the Python Data Conversion Functions. 3. Identify the variable internals. 4. Analyse the role of Bug, Debug and Exception. 	<p>Students will be able to describe the Types of casting, Error and Debug.</p>

6	24 to 29 June 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 9 - Flow of Control</p> <ol style="list-style-type: none"> 1. Introduction : Program Control Statements 2. Types of Statements in Python : Empty Statement, Simple Statement, Compound Statement. 3. Statement Flow Control : Sequence , Selection and Iteration 4. Introduction : Program Logic Development Tools 5. What is an Algorithm? 6. Steps to write an algorithm for given problem? 7. What is Flowchart? 8. Types of Flowchart Symbols and its drawing process. 9. The if Statements of Python <ol style="list-style-type: none"> a. The if Statement b. The if-else Statement c. The if - elif Statement 10. The if Statements of Python : The nested if Statement 11. What is Storing/Named Conditions 12. The range() Function 13. Membership Operators: in and not in 	<p>To enable the students to –</p> <ol style="list-style-type: none"> 1. Explain the Program Control Statements. 2. Compare Algorithm and Flowchart. 3. Importance of range() and Membership Operators. 	<p>Students will be able to analyse conditionals and iteration statements.</p>

7	01 July to 06 July 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 9 - Flow of Control + Practicals</p> <p>14. Iteration/Looping Statement a. The for Loop b. While Loop c. Anatomy of a while Loop d. Loop else Statement</p> <p>15. Jump Statements : a. break Statement b. Continue Statement c. Pass Statement</p> <p>16. Loop Else Statement a. for - else b. while - else</p> <p>17. Nested Loop</p> <p>18. The break Statement in a Nested Loop</p> <p>Class Test(Chapter wise) + Practicals Practice</p>	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Examine the Iteration/Looping Statement. 2. Analyse the Jump Statements. 3. discuss the utility of Loop Else Statements. <p>Python Fundamentals + Data Handling + Flow of Control(Class Test(Chapter wise) + Practicals Practice)</p>	<p>Students will be able to evaluate different types of statements.</p> <p>Students will do the Practicals on given Programs.</p>
8	08 to 11 July 2024	REVISION FOR PA 1 (PA 1 --12/7 to 22/7)	To get prepare for PA 1	Students will prepare themselves for PA 1
9	12 to 22 July 2024	PA 1 Exam		

<p>10</p>	<p>23 to 27 July 2024</p>	<p>Unit 1 : Computer Systems and Organisation (CSO)</p> <p>Ch 1 - Computer System Overview</p> <ol style="list-style-type: none"> 1. Introduction: What is Computer? 2. Applications of Computer 3. Basic Computer Organization: (Diagram, Input unit, Output unit) 4. Basic Computer Organization: <ol style="list-style-type: none"> a. CPU : ALU, CU, Registers b. Memory : Primary Memory c. RAM: Static RAM and Dynamic RAM d. ROM : PROM, EPROM, EEPROM, Flash ROM and Mask ROM 5. Introduction: Storage Unit 6. Common Secondary Memories: <ol style="list-style-type: none"> a. Hard Disks b. Compact Disk(CDs) c. DVDs d. Flash Memory e. Blue Ray Disk 7. The System Bus : data bus, control bus and Address bus 8. Introduction with Diagram: Mobile System Organization <ol style="list-style-type: none"> a. Mobile Processor b. Display Subsystem c. Camera Subsystem d. Mobile System Memory e. Storage f. Power Management System 9. Introduction: What is Software? 10. Classification of S/W : System S/W and Application S/W <ol style="list-style-type: none"> a. System Software : Operating System and Language Processor b. Application Software : Packages, Utilities, Customised Software and Developer Tools 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Demonstrate the fundamentals and Block Diagram of Computer. 2. Explain the Diagram of Mobile System Organization. 3. Classify the different types of Software. 	<p>Students will be able to identifying various components of Computer.</p>
-----------	---------------------------	---	--	---

11	29 to 03 August 2024	<p>Unit 1 : Computer Systems and Organisation (CSO) Ch 2 - Data Representation 1. Introduction: Data Representation 2. Digital Number System: a. Decimal Number System b. Binary Number System c. Octal Number System d. Hexadecimal Number System 2. Introduction : Number Conversions a. Decimal to Binary Conversion b. Decimal to Octal Conversion c. Decimal to Hex Conversion 3. Number Conversions a. Binary to Decimal Conversion b. Binary to Octal Conversion c. Binary to Hex Conversion</p>	<p>To enable the students to – 1. Explain the Data Representation. 2. Interpret the Digital Number System and Number Conversion.</p>	<p>Students will be able to convert the data to represented in different form.</p>
12	05 to 10 August 2024	<p>Unit 1 : Computer Systems and Organisation (CSO) Ch 2 - Data Representation 4. Number Conversions a. Octal to Decimal Conversion b. Octal to Binary Conversion c. Octal to Hex Conversion 5. Number Conversions a. Hex to Decimal Conversion b. Hex to Binary Conversion c. Hex to Octal Conversion 6. Binary Addition 7. Character/String Representation a. ASCII Code b. ISCII c. UNICODE(UTF8, UTF32)</p>	<p>To enable the students to - 1. Explain the Number Conversion. 2. Solve Binary addition.</p>	<p>Students will be able to convert the data to represented in different form.</p>

<p>13</p>	<p>12 to 17 August 2024</p>	<p>Unit 1 : Computer Systems and Organisation (CSO) Ch 3 - Boolean Logic 1. Introduction : Development of Boolean Logic 2. Binary Valued Quantities 3. Logical Operations: a. Logical Function/ Compound Statement b. Logical Operators 4. Evaluation of Boolean Expressions using TT. 5. Introduction : Basic Logic Gates a. Inverter (NOT gate) b. OR gate c. AND gate 6. Basic Postulates of Boolean Logic 7. DeMorgan'sTheorem :First Theorem along with Truth table 8. DeMorgan'sTheorem :Second Theorem along with Truth table 9. More about Logic Gates a. NOR gate b. NAND gate c. XOR gate d. XNOR gate 10. Digital Circuits</p>	<p>To enable the students to – 1. Demonstrate the development of Boolean Logic. 2. Discuss the Logical Operations. 3. Evaluate the Boolean Expressions using TT. 4. Describe the basic Logic Gates. 5. Demonstrate the DeMorgan's Theorem. 6. Draw Digital Circuits.</p>	<p>Students will able to – 1. Make logical gates and proving theorems. 2. Use truth tables and different laws of Boolean Algebra. 3. Convert Boolean expression to Logic gates and vice-versa. 4. Draw Digital Circuits.</p>
-----------	---------------------------------	---	--	--

14	19 to 24 August 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 5 - Introduction to Problem Solving</p> <ol style="list-style-type: none"> 1. Introduction to Problem Solving <ol style="list-style-type: none"> a. Analyze the problem b. Developing the Algorithm c. Coding d. Testing e. Implement and Maintain 2. Problem Solving using Decomposition and Need for Decomposition 3. Designing Algorithm 4. Characteristics of a Good Algorithm 5. Components of an Algorithm 6. About Flowcharts 7. Various Flowchart Symbols 8. Working & use of Flowchart along with algorithm development 9. About Pseudocode 10. Advantages and Disadvantages of Pseudocode 11. Verifying an Algorithm <ol style="list-style-type: none"> a. Dry Run b. Trace Table c. Comparing Algorithms 	<p>To enable the students to –</p> <ol style="list-style-type: none"> 1. Explain the Introduction to Problem Solving. 2. Demonstrate the need of Decomposition. 3. Compare an Algorithm, Flowchart and Pseudocode. 	<p>Students will able to acquire the knowledge of Problem Solving Concepts.</p>
15	26 to 31 August 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 10 - String Manipulation</p> <ol style="list-style-type: none"> 1. Introduction : String 2. Traversing a String :Forward Indexing and Backward Indexing 3. String Operators <ol style="list-style-type: none"> a. Basic Operators: +, * b. Membership Operators : in, not in 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Explain the concept of String. 2. Discuss the Traversing a String. 3. Understand the working of String Operators. 	<p>Students will able to acquire the fundamentals of String.</p>

16	02 to 07 Sept 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 10 - String Manipulation + Practicals</p> <p>4. String Operators</p> <p>a. Basic Operators: +, *</p> <p>b. Membership Operators : in, not in</p> <p>c. Comparison Operators</p>	To enable the students to understand the working of String Operators and to demonstrate the different String Functions.	Students will able to deal with strings Operators and use strings Functions in Python.
17	09 to 16 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
18	18 to 30 Sept 2024	Term 1 exam	Term 1 exam	Term 1 exam
19	01 to 10 Oct 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 11 - List Manipulation + Practicals</p> <p>1. Introduction: List in Python</p> <p>2. Creating different types of Lists: The empty list, Long Lists, Nested Lists</p> <p>3. Creating Lists from Existing Sequences</p> <p>4. Accessing Lists</p> <p>5. Similarity with String</p> <p>6. Accessing individual elements</p> <p>7. Difference from String</p>	To enable the students to create and access the List.	Students will able to get the notion of data type List.
		11 and 12 Oct 2024 Dussehra Holidays		

20	14 and 19 Oct 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 11 - List Manipulation + Practicals</p> <p>8. Traversing a List 9. Comparing Lists 10. List Operations: a. Joining Lists b. Repeating or Replicating Lists c. Slicing the Lists 11. Working with Lists: a. Appending Elements to a List b. Updating Elements to a List c. Deleting Elements from a List d. Making True copy of a List 12. List Functions and Methods: index(), append(), extend(), insert(), pop(), remove(), clear(), count(), reverse(), sort().</p>	To enable the students to discuss different functions and operations of List.	Students will able to get the various functions and operations of list.
21	21 and 28 Oct 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 12 – Tuples + Practicals</p> <p>1. Introduction : Tuples in Python 2. Creating different types of Tubes : a. The Empty Tuple b. Single Element Tuple c. Long Tuple, Nested Tuple 3. Creating Tuple from Existing Sequences 4. Accessing Tuples 5. Similarity with Lists 6. Accessing individual elements 7. Difference from Lists 8. Traversing a Tuple</p>	To enable the students to create and access the Tuple.	Students will able to get the notion of data type Tuple.
		29 Oct and 02 Nov 2024 Diwali Holidays		

22	04 to 09 Nov 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch 12 – Tuples + Practicals</p> <p>9. Tuple Operations:</p> <ol style="list-style-type: none"> a. Joining Tuples b. Slicing the Tuples c. Comparing Tuples d. Unpacking Tuples e. Deleting Tuples <p>10. Tuple Functions and Methods :len(), max(), min(), index(), tuple(), count()</p> <p>11. Indirectly Modifying Tuples</p> <ol style="list-style-type: none"> a. Using Tuple Unpacking b. Using the constructor functions of lists and tuples 	To enable the students to discuss different functions and operations of Tuples.	Students will able to get the various functions and operations of Tuple.
23	11 to16 Nov 2024	<p>Unit 2: Computational Thinking and Programming - 1</p> <p>Ch - 13 Dictionaries + Practicals</p> <ol style="list-style-type: none"> 1. Introduction : Dictionary - Key:Value Pairs 2. Creating a Dictionary 3. Accessing Elements of a Dictionary 4. Accessing Elements of a Dictionary <ol style="list-style-type: none"> a. Traversing a Dictionary b. Accessing Keys or Values Simultaneously c. Characteristics of a Dictionary 	To enable the students to create and access the Dictionary.	Students will able to get the notion of data type Dictionary.

24	18 to 23 Nov 2024	Unit 2: Computational Thinking and Programming – 1 Ch - 13 Dictionaries + Practicals 5. Working with Dictionaries: a. Multiple ways of Creating Dictionaries b. Adding Elements to a Dictionary c. Updating Existing Elements from a Dictionary d. Checking for Existence of a Key e. Pretty Printing a Dictionary f. Counting Frequency of Elements in a List using Dictionary. 6.. Dictionary Functions and Methods a. len(), b. clear(), c. get(), d.items(), e. keys(), f. values(), g. update()	To enable the students to create and access the Dictionary.	Students will able to get the various functions and operations of Dictionary.
25	25 to 30 Nov 2024	Major Project(Synopsis + Documentation)	Students will acquire the knowledge of Project Management.	Students will get to complete their Project work of Front End(Python).
26	02 to 09 Dec 2024	Revision for PA-2	Revision for PA-2	Revision for PA-2
PA II -10/12--17/12				
27	18 to 21 Dec 2024	Unit 3: Society, Law and Ethics Ch 15 - Cyber Safety 1. Introduction: Cyber Safety 2. Safely Browsing the Web 3. Identity Protection while using Internet a. Many ways Websites Track you b. Private Browsing Anonymous Browsing 4. Confidentiality of Information 5. What is Cyber Crime? 6. Types of Cyber Crimes : a. Cyber Trolls and Bullying b. Cyber Bullying c. Cyber Stalking d. Spreading Rumours Online	To enable the students to - 1. Discuss the Cyber Safety 2. Understand the role of Safely Browsing the Web. 3. Identity the Protection while using Internet. 4. Explain the Confidentiality of Information. 5. Discuss the Cyber Crime.	Students will able to understand of Cyber laws and online ethics including safety measures to protect data and information available online

28	23 to 28 Dec 2024	Unit 3: Society, Law and Ethics Ch 15 - Cyber Safety 7. Types of Cyber Crimes : a. Online Fraud b. Information Theft c. Scams d. Illegal Downloads e. Child Pornography f. Reporting Cybercrimes	To enable the students to discuss the types of Cyber Crime.	Students will be able to understand of Cyber laws and online ethics including safety measures to protect data and information available online
29	02 to 04 Jan 2025	Unit 3: Society, Law and Ethics Ch 15 - Cyber Safety 8. Computer Forensics 9. Cyber Law and IT Act 10. Common Social Networking Sites 11. Appropriate Usage of Social Networks	To enable the students to - 1. Explain the importance of Computer Forensics. 2. Demonstrate the Cyber Law and IT Act. 3. Discuss the Common Social Networking Sites. 4. Analyse the appropriate Usage of Social Network.	Students will be able to understand of Cyber laws and online ethics including safety measures to protect data and information available online
30	06 to 11 Jan 2025	Unit 3: Society, Law and Ethics Ch 16 - Online Access and Computer Security 1. Introduction: Online Access and Computer Security 2. Threats to Computer Security a. Computer Viruses, Worms and Trojan Horses b. Spyware c. Adware d. Spamming e. PC Intrusion f. Eavesdropping g. Phishing and Pharming	To enable the students to - 1. Explain the Introduction of Online Access and Computer Security. 2. Discuss the Threats to Computer Security.	Students will be able to analyse the value of technology in societies along with consideration of gender and disability issues.
31	13 to 18 Jan 2025	Unit 3: Society, Law and Ethics Ch 16 - Online Access and Computer Security 3. Solution to Computer Security Threats a. Solutions to Viruses, Adware and Spyware b. Solutions to Spam, Eavesdropping c. Solution to PC Intrusion d. Solutions to Phishing and Pharming Attack	To enable the students to discuss the solution to Computer Security Threats.	Students will be able to analyse the value of technology in societies along with consideration of gender and disability issues.

32	20 to 25 Jan 2025	Unit 3: Society, Law and Ethics Ch 16 - Online Access and Computer Security 4. Firewall : a. Software Firewall b. Hardware Firewall	To enable the students to demonstrate the role of Firewall.	Students will able to analyse the importance of Firewall.
33	27 to 01 Feb 2025	Unit 3: Society, Law and Ethics Ch 17 - Society, Law and Ethics 1. Introduction, Ethical Issues 2. Open Source Philosophy and Software Licenses 3. Technology and Society 4. e-Waste Management 5. Gender Issues while Teaching/Using Computers 6. Disability Issues while Teaching and using Computers	To enable the students to - 1. Explain the Ethical Issues. 2. Discuss the Open Source Philosophy and Software Licenses 3. Illustrate the Technology and Society. 4. Explain the e-Waste Management. 5. Discuss the Gender Issues while Teaching/Using Computers 6. Understand the disability Issues while Teaching and using Computers	Students will able to understand the importance of Society, Law and Ethics.
34	03 Feb to 08 Feb 2025	Revision for Term 2	Revision for Term 2	Revision for Term 2
35	11 Feb to 22 Feb 2025	Annual Exam	Annual Exam	Annual Exam

Subject:- Hindustani Music**Book Followed:-**

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	Mar 2024	Nada; Shruti; swar; saptak; thaath; jaati; laya ;Taal	introduction of basic of classical music	Able to learn basic concepts
2	April 2024	Nada Shruti swarsaptak ,thaath, jaati, laya,taal	introduction of basic of classical music	Able to learn basic concepts
3	June 2024	Margi desi raga,RaagBheempalasi	Understanding of Ragas like Bhimpalasi and Margi,desi sangeet	Able to perform
4	July 2024	History of drupad khayal and Tarana	To Understand Concept ofTarana and Dhruvad	Able to perform
5	Aug 2024	Study of musical elements in natyashastraraag bheempalasi	To know about Natya Shastra and its history	Able to perform
6	Sept 2024	Live sketch and contribution of Tansen VN bhatkhande and VD paluskar	To get an insight of legends of classical music	Able to perform
		Devotional song		Able to perform
7	Oct 2024	Taal TeentalEkTaalchautaldrupad	To know about different time signatures of Indian Classical Music	Able to perform
8	Nov 2024	Structure of tanpura raag bihag	Introduction to Tanpura and Raag Bihag	Able to perform
10	Dec 2024	Recognition different ragas,RaagBhairavi	Identify Ragas and Raag Bhairvi	Able to perform
11	Jan 2024	Dugunchaugun of talas and alap, tan for ragas	Different Laykari Like Dugun ,Chaugun	Able to perform