



QUEENS' COLLEGE, INDORE

Annual Curriculum Plan

COMPENDIUM

Weekly Planning

Class-XII

Session 2024-25

S.No.	Particulars	Page No.
1.	Principal's Message	3
2.	English Core	4
3.	Physics	12
4.	Chemistry	19
5.	Biology	25
6.	Maths core	32
7.	Accountancy	38
8.	Business Studies	44
9.	Economics	49
10.	History	58
11.	Geography	65
12.	Applied Mathematics	69
13.	Computer Science	74
14.	Information Practices	85
15.	Psychology	94
16.	Legal Studies	99
17.	Physical Education	109
18.	Financial Market Management	115
19.	Entrepreneurship	123
20.	Hindustani Music	128
21.	Political Science	130

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 Core

Book Followed:- FLAMINGO, VISTAS

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Flamingo My Mother at Sixty Six	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Realise that ageing is a natural process and is going to envelope one and all. 2. Imbibe values like care, concern, love and affection 3. Identify the figure of speech used in the poem. 4. Understand the compulsion of life where one has to forego one relation for the other due to social and personal obligations. 5. Hone analytical and comprehension skill. 	<p>The Student will be able to -</p> <ol style="list-style-type: none"> 1. Interpret the inferential meaning of the poem 2. Infer the theme of fear of separation. 3. Develop their views on inescapable ageing, decay and ultimate death. 4. Recite the poem with proper expression, pauses and voice modulation.
		The Last Lesson	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Identify the theme of linguistic chauvinism and its effects. 2. Change their lackadaisical attitude towards their mother tongue. 3. Infer the meanings of new phrases. 4. Realise that one should be sincere and serious in doing work as they never know when it would be a last opportunity to avail. 	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. Describe the effects of linguistic chauvinism. 2. Apply newly learnt phrases while framing answers. 3. Create a mind map of the chapter.
2	11 to 16 March 2024	Lost Spring	<p>To enable the students to</p> <ol style="list-style-type: none"> 1. Inculcate values like empathy and responsibility. 2. Observe the paradox in the society we live in. 3. Understand the plight of street children forced into labour early in life. 4. Realise the urgent need to end the vicious circle of exploitation through education, awareness, cooperative organization and empowerment. 5. focus on the use of figures of speech in writing. 	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. Advocate how education can help in breaking the vicious circle of poverty. 2. Analyse that there is lack of compassion, empathy and commitment for the upliftment of poor children. 3. Create a mind map of the chapter.

3	18 to 23 March 2024	VISTAS -The Tiger King	To enable the students to 1. Identify the use of literary devices to make the story humorous and interesting. 2. Judge the consequences of sycophancy 3. Analyze that the whimsical decisions may prove disastrous	The students will be able to 1. Identify use of dramatic irony to create humour 2. Realise that one should not be conceited especially those who are in power. 3. Have insight into political order
4	25 March -30 March 2024	Notice Writing	To enable the students to - (Notice) 1. Hone creative writing skill 2. Infer the format of Notice writing 3. Share formal information	The Students will be able to (NOTICE) 1. Draft a notice. 2. Identify various types of notice : Lost , Found, Information. 3. Frame grammatically correct sentences.
5	1 April to 6 April 2024	Flamingo- Deep Water	To enable the students to 1. Analyse the difficult situation and act accordingly and to understand another person's experience (Decision Making). 2. Gain knowledge about various types of phobias. 3. Imbibe values like courage, optimism, self confidence, patience. 4. Infer that terror is only in the fear of death.	The students will be able to 1. Understand first person narrative style 2. Realise that most challenging situations could be overcome with immense courage and determination 3. Cope up the challenges and stand against all odds 4. Explain the importance of decision making and determination in adverse circumstances
6	8 to 13 April 2024	Flamingo- Keeping Quiet	To enable the students to 1. Evoke subjective responses to the language of poetry. 2. Experience the moment of realization and peace 3. Learn from the earth when everything seems dead, the earth still remains alive. 4. Analyze that life is an ongoing process and shouldnot be associated with death.It is to be lived with positive attitude.	The students will be able to 1. Identify the images and symbols 2. Think critically, understand not to harm others 3. learn from the earth when everything seems dead, the earth still remains alive
7	15 to 20 April 2024	Vistas- The Third Level	To enable the students to 1.Infer 'waking dream wish fulfilment' concept 2.Realise that one should not be an escapist rather accept the challenges of real life. 3.Acquire realistic approach towards real life challenges.	The students will be able to 1. Accept the realities of life 2. Infer the concept of escapism 3. Develop critical and analytical thinking skill.

5	22 to 30 April 2024	Job Application	<p>To enable the students to</p> <ol style="list-style-type: none"> 1. Examine a variety of letters 2. Determine the best layout , content and style with prover cover note 3. Infer the format 	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Chisel their writing skill 2. Identify various aspects of Job application. 3. Write job application 4. Create Resume
		Reading Comprehension Revision	<p>To enable the students to (Reading Comprehension)</p> <ol style="list-style-type: none"> 1. Comprehend the subject of the passage 2. Polish reading and analytical skill 3. Chisel the skill of taking only relevant and important points <p>(Revision)</p> <ol style="list-style-type: none"> 1. Recapitulate the key points of the chapters 2. Analyze the theme of the chapters 3. Enhance writing skills. 	<p>The students will be able to (Reading Comprehension)</p> <ol style="list-style-type: none"> 1. Identify the central idea of the passage 2. Analyze and find answers of the questions based on the passage <p>(Revision)</p> <ol style="list-style-type: none"> 1. Collaborate while peer learning 2. Frame formal notices 3. Scaffold their doubts 4. Solve revision worksheet
6	15 To 22 June 2024	The Rattrap	<p>To enable the students to</p> <ol style="list-style-type: none"> 1. Identify the use of literary devices to make the story humorous and interesting 2. Infer that the worldly comforts and greed act as a bait in our life 3. Realise that everyone should get a second chance to improve oneself 4. Understand that kindness and hospitality awaken conscience 	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. show kindness as kindness is contagious 2. Realise that an Eye for an Eye will make the whole world blind. 3. Avoid things that lure and entice us 4. Become compassionate and helping 5. Develop a flair for reading different genre.
7	24 June -29 June 2024	Journey to the End of the Earth Invitation (Formal and Informal)	<p>To enable the students to</p> <ol style="list-style-type: none"> 1. Communicate their ideas regarding Antarctica. 2. Gain knowledge of the Students on Ice' programme for high school students. 3. Analyse the effect of increase of human population and climate change. 4. Realise that Antarctica is the place to study about the repercussions due to the change in the environment <p>(Invitation)</p> <ol style="list-style-type: none"> 1. Identify formal and informal invitation 2. Express their ideas concisely and effectively with proper tone and format 3. Infer the format of printed and written Invitation 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. foster a new understanding and respect for our planet Earth. 2. Show care and concern for the increase in the average global temperature and other species on the planet 3. Evaluate that little changes in the environment can have more adverse effect. <p>(Invitation)</p> <ol style="list-style-type: none"> 1. Frame printed and written Advertisement with proper tone and format 2. Differentiate between printed and written advertisement

8	1 to 6 July 2024	Replies to Formal Invitation	To Enable the student to 1. Infer the format of reply to formal Invitation 2. Express their ideas concisely and effectively with proper tone and format	The Students will be able to 1. Draft letter of acceptance and decline 2. Frame replies in third person.
9	8 to 11 July 2024	REVISION		
10	12 July to 22 July 2024	PA-I		
11	23 July to 27 July 2024	Indigo	To enable the students to 1. Realise the importance of decision making in adverse circumstances 2. Understand that freedom is priceless and one should respect it 3. know the vocabulary used in legal procedures 4. Infer that freedom is priceless and one should respect it. 5. Identify character traits of a leader and Gandhi's role as a leader of Champaran Movement	The Students will be able to 1. Take initiative with a sense of responsibility and confidence 2. Explain the sufferings and contributions of freedom fighters 3. Enrich vocabulary and logical presentation
12	28 July to 3 August 2024	The Enemy	To enable the students to 1. Create a balance between personal choices and responsibilities. 2. focus on the importance of fulfilling duties. 3. Analyze the conflict between man's inherent humaneness and the hatred and prejudices created by pseudo-nationalism and war 4. Recognise character traits	The Students will be able to 1. Realize that war and narrow –nationalism can shuffle human feeling of love and compassion and turn friends and fellow human beings into enemies. 2. Conclude that people of the world are inherently the same despite the differences in colour, culture and nationalities. 3. Describe the situations and characters of the chapter.
13	5 August to 10 August 2024	Flamingo - A Thing Of Beauty	Enable the students to (A Thing Of Beauty) 1. Infer that the thing which give us happiness is the beauty of nature 2. sensitize the learners towards environment 3. Realise that inner beauty is important rather than the outer one 4. Identify the poetic devices used in the poem	The students will be able to 1. Comprehend that beautiful things/moments are worth treasuring as they leave an everlasting impression on the minds of people 2. Describe how nature provides respite from sorrow. 3. appreciate and admire the beauty of nature.
		WRITING SKILLS Letter to the Editor	Enable the students to- 1. Infer the situations in which they have to	The students will be able to- 1. Discuss the situations in which letter can be written to

			<p>approach the editor</p> <ol style="list-style-type: none"> 2.Sensitize towards society and its issues 3.Sensitize towards environment 4.Depict their writing skills in letter 	<p>the editor</p> <ol style="list-style-type: none"> 2.discuss on the social and environmental issues to be brought forward 3.Draft letter to the editor following the format
14	12 August to 17 August 2024	Flamingo - Poets and Pancakes	<p>Enable the students to (Poets And Pancakes)</p> <ol style="list-style-type: none"> 1. communicate their ideas regarding the Indian Film Industry. 2. know about the poets and writers in a film company environment. 	<p>The students will be able to (Poets and Pancakes)</p> <ol style="list-style-type: none"> 1. analyse the working conditions and people involved in the studios. 2. Describe the problems of human relationship in the studio
15	19 August to 24 August 2024	Flamingo - Poets and Pancakes (Continued)	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. get a better insight of the various characters working in the studio. 2. analyse that in the studio the people from different regions and religions working together presented a glimpse of national integration 3. Identify the humour and satire. 	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. Analyse that good poetry and music are the deciding factor in the popularity of the film. 2. Enhance their knowledge of the events and personalities in a film company in the early days of Indian cinema
		Flamingo- The Interview	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. express personal opinion on the interview genre 2. know the opinions of eminent people about interview 3. Infer that the interview holds a position of unprecedented power and influence 4. compare different media of communication 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Chisel analytical skills, Thinking skills, Observatory skills, Interviewing skills 2. Realise that confidence is one of the important ingredient of interview 3. Analyze the reason behind different opinions of people on Interview. 4. Develop the art of questioning and answering skills
16	26 August to 31 August 2024	Flamingo- The Interview (cont..)	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. express personal opinion on the interview genre 2. know the opinions of eminent people about interview 3. Infer that the interview holds a position of unprecedented power and influence 4. compare different media of communication 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Chisel analytical skills, Thinking skills, Observatory skills, Interviewing skills 2. Realise that confidence is one of the important ingredient of interview 3. Analyze the reason behind different opinions of people on Interview. 4. Develop the art of questioning and answering skills
		Flamingo - A Roadside Stand	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. Analyze the problems of rural folks 2. know about the sufferings of people managing the roadside stand 3. Identify the poetic devices 4. analyse that the poet has aroused his feelings of sympathy, disgust and anger 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. show the care and concern for the people who put up the roadside stand 2. Explain the contrast between the lives of rich and poor 3. understand that the economic well-being of a country depends on a balanced development of the villages and the cities. 4. acquaint themselves with the world around them

17	2 September to 7 September 2024	Vistas- On the face of it	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. Infer the theme that appearances are deceptive and most often we go on dealing with our impressions and prejudices about others without caring to know them actually. 2. analyse the situations and characters of the lesson. 3. Realise that pain of actual physical impairment is often much less than the sense of alienation felt by the person with disabilities 4. analyse that scars do not change a person and that handicaps must be accepted in life and in the society. 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. gain insight into the loneliness of physically handicapped. 2. overcome negative attitude towards life. 3. understand that a person with physical impairment expects good and normal behaviour from others and respect them for what they are. 4. realise that pain of actual physical impairment is often much less than the sense of alienation felt by the person with disabilities.
18	9 to 16 September 2024	REVISION - TERM 1	REVISION - TERM 1	REVISION - TERM 1
19	18 Sep to 30 Sep 2024	TERM 1 EXAMINATION	TERM 1 EXAMINATION	TERM 1 EXAMINATION
20	1 Oct to 10 Oct 2024	Article Writing	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. Deduce the format of Article Writing 2. Analyze the purpose of Article Writing 3. Enhance lexiccal competency 4. Draft Articles on various topics 	<p>The Students will be able to</p> <ol style="list-style-type: none"> 1. Identify the format and components of an Article 2. Use advanced english vocabulary while drafting articles 3. Articulate thoughts in a logical manner. 4. Realise the purpose and importance of Article writing.
21	11Oct to 14 Oct 2024	DUSSEHRA HOLIDAYS		
22	14 Oct to 19 Oct 2024	Going Places	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. Differentiate between realistic and unrealistic dreams 2. Know the advantages and disadvantages of fantasising and hero worship 3. Infer that fantasizing can lead to failure 4. understand that there is no substitute to hard work 5. Analyze the situation and characters mentioned in the chapter 	<p>The students will be able to</p> <ol style="list-style-type: none"> 1. compare their world of fantasy and reality 2. Describe the complexities of human relationships among differentmembers of a family as displayed in the chapter 3. Dramatize the chapter. 4. accept the reality in life and responsibility in the family. 5. Compare and contrast with the chapter Lost Spring.
23	21 Oct to 28 October 2024	Aunt Jennifer's Tiger	<p>Enable the students to</p> <ol style="list-style-type: none"> 1. visualise the constraint of married life experienced by a woman. 2. evoke feelings/ sympathy for victimised homemakers. 3. evaluate the situation and find solutions to 	<p>The Students will be able to -</p> <ol style="list-style-type: none"> 1. empathise with the victims of male chauvinism 2. be prepared to face such oppressions boldly 3. raise voice against domestic violence

			domestic violence. 4. understand that equal status should be given to man and woman	4. understand that females even have inherent desires and they deserve freedom: mental and emotional both
24	29 Oct to 2 Nov 2024	DIWALI HOLIDAYS		
25	4 Nov to 9 Nov 2024	Report Writing	Enable the Students to 1. Differentiate between facts and opinions 2. Deduce the format of Report Writing 3. Identify the types and purpose of Report Writing 4. Infer the elements of report writing	The Student will be able to 1. Identify two types of report writing 2. Differentiate between format of magazine report and newspaper report
26	11 Nov to 16 Nov 2024	Vistas - Memories of Childhood	Enable the students to (Memories of Childhood) 1. have profound and detailed understanding of the text. 2. express the ideas of the passage orally and in writing. 3. understand the meaning of new words and grammar structure 4. pay attention to the writer's intentions, arguments, ideas, style etc 5. Gain insight into the social evils prevailing in the society in context with Bama's story 6 Rise above prejudices 7 Respect each other 8. learn and reflect their own/ right perspective of treating underprivileged and marginalised community. 9. Imbibe value of respecting each individual irrespective of their caste and creed	The Students will be able to (Memories of Childhood) 1. comprehend the text in detail 2. know the meaning and usage of new vocabulary 3. learn how to respect people from different culture 4. Describe about the two writers and the way they fought against injustice with their powerful writings 5. reflect their own/ right perspective of treating underprivileged and marginalised community
27	18 Nov to 23 Nov 2024	READING COMPREHENSION	To enable the students to (Reading Comprehension) 1. Comprehend the subject of the passage 2. Polish reading and analytical skill 3. Chisel the skill of taking only relevant and important points (Revision) 1. Recapitulate the key points of the chapters 2. Analyze the theme of the chapters 3. Enhance writing skills.	The students will be able to (Reading Comprehension) 1. Identify the central idea of the passage 2. Analyze and find answers of the questions based on the passage (Revision) 1. Collaborate while peer learning 2. Frame formal notices 3. Scaffold their doubts 4. Solve revision worksheet

28	25 Nov to 30 November 2024	REVISION		
29	2 Dec to 4 Dec 2024	REVISION		
30	5 to 17 Dec 2024	PREBOARD 1		
31	18 DEC 2024 to 13 JAN 2025	REVISION		
32	16 Jan to 27 Jan 2025	PRE-BOARD II		

Subject:- Physics

Book Followed:- NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	(Electrostatics)		
		Electric Charges; Conservation of charge, Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution	To enable the students to understand the theoretical and mathematical concepts of Electric Charges and its Properties and Electrostatics forces and fields of different charge distributions.	Students acquires the basic knowledge of Electric charges, concept of electrostatic force in vector form different distribution of charges, Electric field produced by different distribution of charges and its mathematical analysis.
2	11 to 16 March 2024	(Electrostatics)		
		Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, for que on a dipole in uniform electric fled.	To enable the students to understand the theoretical and mathematical concepts of Electric Charges and its Properties and Electrostatics forces and fields of different charge distributions.	Student will be able to relate the phenomena of charging of a body with daily life.
3	18 to 23 March 2024	(Electrostatics)		
		Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).	To enable the students to to understand the concept of Electric potential due to different charge distributions and its relation between electric field. Also the students will learn about the capacitance, dielectrics and its polarization.	Student will be able to relate the Electrical potential with electric field.
4	25 to 30 March 2024	(Electrostatics)		

		Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. 2) Conductors and insulators, free charges and bound charges inside a conductor. 3) Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor.	To enable the students to understand the concept of Electric potential due to different charge distributions and its relation between electric field. Also the students will learn about the capacitance, dielectrics and its polarization.	Student will be able to understand the working of charge storing device i.e., capacitor.
5	1 April to 6 April 2024	Current Electricity		
		Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, electrical resistance, V-I characteristics (linear and nonlinear)	To enable the students to understand the concept of Electricity, resistance and resistivity and the parameters affecting it with its link to our daily life.	Students are able to understand the concept of Potential difference and current and also the process of finding the unknown current in a loop using KVL and KCL.
6	8 April to 13 April 2024	Current Electricity		
		Electrical energy and power, electrical resistivity and conductivity, series and parallel combination of resistors; temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. 3) Kirchhoff's laws and simple applications, Wheatstone bridge,	To enable the students to understand the concept of different electrical devices like Wheatstone bridge and its application in meter bridge and potentiometer with real life application.	Students will be able to understand the practical application of resistors and cells and its different combination in real life. Students will be able to operate different electrical instruments like POT, Meter bridge, Galvanometer, Voltmeter, ammeter etc. also they learned to find the least count of given measuring instrument.
7	15 April to 20 April 2024	Magnetic effects of current and Magnetism - Moving charges and Magnetism		

		<p>Concept of magnetic field, Oersted's experiment.</p> <p>Biot - Savart law and its application to current carrying circular loop.</p> <p>Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids</p>	To enable the students to understand the concept of relation between electricity and magnetism and analysis of magnetic field for different kind of symmetrical structure.	Student will learn about the relation between electricity and Magnetism and different methods to find the Magnetic field due to different types of conductor.
8	22 April to 30 April 2024	Magnetic effects of current and Magnetism - Moving charges and Magnetism		
	..	Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors- definition of ampere, torque experienced by a current loop in uniform magnetic field;	To enable the students to understand the concept different measuring devices like galvanometer, voltmeter and ammeter and interrelation between them	Student will learn about the force between two parallel conductors and its mathematical analysis depending upon the directions of current
9	15 to 22 June 2024	Magnetic effects of current and Magnetism - Moving charges and Magnetism		
		moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter	To enable the students to understand the concept different measuring devices like galvanometer, voltmeter and ammeter and interrelation between them.	Student will learn about the conversion of galvanometer into ammeter and voltmeter of desired range.
10	24 to 29 June 2024	Magnetism and Matter		
		Current loop as a magnetic dipole and its magnetic dipole moment, magnetic dipole moment of a revolving electron, magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; earth's magnetic field and magnetic elements.	To enable the students to understand the different kinds of magnetic material and earth's magnetic field.	Student will learn and will be able to analyse different types of material. will be able to predict behaviour of magnetic materials.
11	1 to 6 July 2024	Magnetism and Matter		

		Para-, dia- and Ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets.	To enable the students to understand the different kinds of magnetic material and earth's magnetic field.	students will understand the materials present around us and also predict the use of suitable material for specific use.
12	8 to 11 July 2024	Electro Magnetic Induction		
		Electromagnetic induction; Faraday's laws, induced EMF and current	To enable the students to understand the concept Electromagnetic Induction of single and double coil.	Students will learn about the different method to induce an emf in a given conductor which is useful to understand the concept of Mutual and self induction
	12 to 22 July 2024	PA1		
13	23 to 27 July 2024	Electro Magnetic Induction		
		Lenz's Law, Eddy currents. Self and mutual induction.	To enable the students to understand the application based concept of Electromagnetic Induction	
14	29 July to 3 Aug 2024	Alternating currents		
		Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance;	To enable the students to understand the application based concept of Electromagnetic Induction (Generator, Transformer, choke coil)	Students acquire the basic knowledge about the Principle construction working and real life application of Transformer and Dynamo
15	5 to 10 Aug 2024	Alternating currents		
		LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits, wattless current. AC generator and transformer	To enable the students to understand the application based concept of Electromagnetic Induction (Generator, Transformer, choke coil)	Students acquire the basic knowledge about the Principle construction working and real life application of Transformer and Dynamo
16	12 to 17 Aug 2024	Alternating currents		
		numerical and conceptual problems	To enable the students to develop better understanding of the topics	Students acquire the basic knowledge about the Principle construction working and real life application of Transformer and Dynamo
17	19 to 24 Aug 2024	Electromagnetic Wave		
		Basic idea of displacement current, Electromagnetic waves, their characteristics, their Transverse nature (qualitative ideas only).	To enable the students to understand the generation and real life application of electromagnetic wave depending upon the value of wavelength and frequency	Student acquires knowledge about the Practical application of EMW in our Daily life.

18	26 to 31 Aug 2024	Electromagnetic Wave		
		Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.	To enable the students to understand the generation and real life application of electromagnetic wave depending upon the value of wavelength and frequency	Student acquires knowledge about the Practical application of EMW in our Daily life.
19	2 to 7 Sept 2024	ray optics		
		Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and its applications, optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula	To enable the students to understand the applications of different lenses, mirrors and optical instrument in our daily life.	Student will learn about the different types of mirror and lenses and respective ray diagrams for image formation along the mathematical tactics and Analysis.
20	9 to 16 Sept 2024	Revision		
21	18 to 30 Sept 2024	Term - I Exam		
22	1 to 10 Oct 2024	Ray Optics		
		Magnification, power of a lens, combination of thin lenses in contact, combination of a lens and a mirror, refraction and dispersion of light through a prism. 2) Scattering of light – blue color of sky and reddish appearance of the sun at sunrise and sunset	To enable the students to understand the applications of different lenses, mirrors and optical instrument in our daily life.	Student will learn the different optical phenomena of in our daily life like Colour of a sky and cloud, Advanced sunrise and delayed sunset etc
23	14 to 19 Oct 2024	Ray Optics		
		Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.	To enable the students to understand the applications of different lenses, mirrors and optical instrument in our daily life.	students will be able to analyse and use various optical instruments
24	21 to 28 Oct 2024	Wave Optics		

		Wave front and Huygens's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and	To enable the students to understand the difference between ray optics and wave optics and different optical phenomena such as interference,	Student are able to differentiate between the ray and wave nature of a light
25	4 to 9 Nov 2024	Wave Optics		
		Refraction using Huygens's principle. Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light, diffraction due to a single slit, width of central maximum	To enable the students to understand the phenomena of diffraction	Student are able to differentiate between the ray and wave nature of a light
26	11 to 16 Nov 2024	Dual Nature of Radiation and Matter		
		Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light.	To enable the students to understand the dual nature of radiation of light as practical and wave.	Learners will be able to understand the dual nature of light (Wave and Particle) along with experimental and mathematical verification.
27	18 to 23 Nov 2024	Dual Nature of Radiation and Matter		
		Matter waves-wave nature of particles, de-Broglie relation, (experimental details should be omitted; only conclusion should be explained).	To enable the students to understand the dual nature of radiation of light as practical and wave.	Learners will be able to understand the dual nature of light (Wave and Particle) along with experimental and mathematical verification.
28	25 to 30 Nov 2024	Atoms and Nuclei		
		Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.	To enable the students to understand the basic structure of atoms and nucleus proposed by different scientists and its importance in our life. To enable the students to understand the basic structure of atoms and nucleus proposed by different scientists and its importance in our life.	Learners will be able to understand the Concept of atoms and nuclei with help of different models developed by different scientists (Rutherford's model, bohr's model etc.) Learners will be able to understand the Concept of atoms and nuclei with help of different models developed by different scientists (Rutherford's model, bohr's model etc.)

29	2 to 4 Dec 2024	Electronic Devices - Semiconductor Electronics: Materials, Devices and Simple Circuits		
		Energy bands in conductors, semiconductors and insulators (qualitative ideas only) 2) Semiconductor diode - I-V characteristics in forward and reverse bias, diode as a rectifier; Special purpose p-n junction diodes: LED, photodiode, solar cell and Zener diode and their characteristics, zener diode as a voltage regulator	To make the learners to understand the importance and significance of semiconducting devices in our daily and how they are different from conductor and insulator by explaining different semiconducting devices. To enable the students to understand the importance and significance of semiconducting devices in our daily and how they are different from conductor and insulator by explaining different semiconducting devices.	Learners will be able to understand the Concept of Conductors, Insulator and semiconductor with the help of Band Energy Theory. Learners will be able to understand the Classification of semiconductors along with Practical applications in PN diode, Rectifiers
30	5 to 17 Dec 2024	PREBOARD 1		
31	18 DEC 2024 to 13 JAN 2025	REVISION		
32	16 Jan to 27 Jan 2025	PRE-BOARD II		

Subject:- Chemistry

Book Followed:-NCERT, Modern ABC

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	SOLUTIONS: • Types of solution • Expression of concentration of solutions of solids in liquids	<ul style="list-style-type: none"> Form different types of solution. Know various concentration terms 	students will able to learn different concentration terms acquiring knowledge of molarity molality and other concentrations.
		• Henry's Law and Raoult's Law	<ul style="list-style-type: none"> Know Henry's Law and Raoult's law Differentiate between Ideal and Non ideal solutions 	students will be able to correlate with laws in daily life.
2	11 to 16 March 2024	<ul style="list-style-type: none"> Colligative properties relative lowering of vapour pressure elevation of boiling point depression of freezing point osmotic pressure 	To Understand Colligative properties of solution and correlate these with molar masses of the solute	Students will able to corelate colligative concepts with numericals
3	18 to 23 March 2024	Solutions: • Abnormal mol. mass	• Understand Abnormal colligative properties exhibited by some solutes in solutions.	Students will learn about different conditions of von't hoff factor, degree of dissociation.
4	25 to 30 March 2024	Electrochemistry <ul style="list-style-type: none"> Redox reactions Conductance in solutions 	students will <ul style="list-style-type: none"> Know about resistivity, conductivity and molar conductivity of ionic solution Understand variation of conductivity and molar conductivity of solutions with change in concentration 	students will understand concept of conductivity molar conductivity and its applications
5	1 to 6 April 2024	<ul style="list-style-type: none"> Kohlrausch's Law Law of electrolysis Dry cell -electrolytic cells and Galvanic cells EMF of a cell 	<ul style="list-style-type: none"> students will Know about Electrochemical cells and diff. between galvanic and electrolytic cell Apply Nernst equation for calculating the EMF of galvanic cell and knowing standard potential of the cell 	students will able to understand concept of emf & free energy change equilibrium constant

6	8 to 13 April 2024	<ul style="list-style-type: none"> Standard electrode potential Nernst equation and its application, fuel cells. 	<ul style="list-style-type: none"> Make a Relation between Standard potential of cell, Gibbs free energy and its equilibrium constant 	<ul style="list-style-type: none"> Learn Construction of primary and secondary battery and fuelcell
7	15 to 20 April 2024	Chemical Kinetics <ul style="list-style-type: none"> Rate of a reaction (Average and instantaneous) Factors affecting rate of reaction 	<ul style="list-style-type: none"> Express the rate of reaction in terms of change in concentration of reactant / products 	students will learn to express rate law & express rate of reaction.
8	22 to 30 April 2024	<ul style="list-style-type: none"> Order and molecularity of a reaction Rate law and specific rate constant <ul style="list-style-type: none"> Pseudo first order reaction 	<ul style="list-style-type: none"> Differentiate between molecularity and order of reaction Derive integrated rate equations for the Zero and first order reactions Learn Rate constant 	Students will learn to derive order of reaction and concept of half life period as well as their unit. Numerical also
9	15 to 22 June 2024	<ul style="list-style-type: none"> Rate Independence graph Collision theory 	<ul style="list-style-type: none"> Arrhenius Equation <ul style="list-style-type: none"> Understand Collision theory 	Students are able to understand concept of rate law half life period arrhenius equation.
10	24 to 29 June 2024	Haloalkanes and Haloarenes: <ul style="list-style-type: none"> IUPAC names Method of Preparation Physical and Chemical properties of haloalkanes & haloarenes 	<ul style="list-style-type: none"> Understand Nature of C-X bond, Analyse Physical and chemical properties Understand Mechanism of substitution reactions, optical rotation 	Students will able to learn different MOP of alkyl halides & haloarenes.
11	1 to 6 July 2024	<ul style="list-style-type: none"> Physical and Chemical properties of haloalkanes & haloarenes Some Important Derivatives of Alkyl Halides Chlorform, carbontetrachloride, DDT, Freons etc. 	Understand Mechanism of substitution reactions, optical rotation Haloarenes: <ul style="list-style-type: none"> Understand Nature of C-X bond in Haloarenes Understand Substitution reactions Learn uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT. Know All Important Name Reactions, Conversion Reactions and Distinguishing tests 	students will learn chemical properties of haloalkanes & haloarenes <ul style="list-style-type: none"> Know All Important Name Reactions, Conversion Reactions and Distinguishing tests
12	8 to 11 July 024	Revision		
13	12 to 22 July	PA-I		

2024				
14	23 to 27 July 2024	Alcohols, Phenols And Ethers <ul style="list-style-type: none"> Alcohols: Nomenclature, methods of preparation, physical & chemical prop. (of primary Alcohols only) 	Alcohols: <ul style="list-style-type: none"> Learn Nomenclature Understand Methods of preparation from alkenes, aldehydes, ketones and carboxylic acids. 	
15	29 July to 3 August 2024	<ul style="list-style-type: none"> Identification of primary, secondary & tert. alcohols Mechanism of reactions Uses of methanol and ethanol. Phenols: Nomenclature, methods of prep. Physical & chemical prop Acidic nature of phenol 	<ul style="list-style-type: none"> Analyse physical and chemical properties Identify primary, secondary and tertiary alcohols Understand Mechanism of dehydration 	students will learn different reactions of chemical properties of alcohol Phenol.
16	5 to 10 August 2024	<ul style="list-style-type: none"> Uses of phenols. Ethers: - Nom., methods of preparation Physical and Chemical properties, Uses 	<ul style="list-style-type: none"> Methods of preparation, - From Haloarenes, benzene sulphonic acids, diazonium salts and cumene Analyse physical and chemical properties Know Acidic nature of phenol, electrophilic substitution reactions 	students will know & Analyse physical and chemical properties <ul style="list-style-type: none"> Know Acidic nature of phenol, electro philic substitution reactions Know All Important Name Reactions, Conversion Reactions and Distinguishing tests
17	12 to 17 Aug 2024	Coordination Compounds <ul style="list-style-type: none"> Intro, ligands, coordination number, colour, magnetic prop. and shapes IUPAC nomenclature of mononuclear coordination comp Bonding, isomerism 	<ul style="list-style-type: none"> Know the Postulates of Werner's theory of coordinate compounds Know about ligands, coordination number, colour, magnetic properties and shapes, Learn the rules of nomenclature of coordination compounds 	students will learn to write IUPAC nomenclature & general properties of coordination complexes
18	19 to 24 August 2024	<ul style="list-style-type: none"> CFT Theory Importance of coordination compounds (in qualitative analysis, extraction of metals and biological system) 	<ul style="list-style-type: none"> Understand Coordination compounds in terms of VBT, and CFT Know about Structure and stereoisomerism, importance of coordination compounds 	students will be able to understand & apply VBT & CFT concepts in coordination compounds

19	26 to 31 August 2024	Organic Compounds containing Nitrogen <ul style="list-style-type: none"> Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. 	<ul style="list-style-type: none"> Learn Nomenclature, Classification and structure of Amines Understand Methods of preparation Analyse Physical and chemical properties Identify primary, secondary and tertiary amines. 	
20	2 to 7 sept 2024	<ul style="list-style-type: none"> Cyanides and Isocyanides (an intro) Diazonium salts: Preparation, chemical reactions Importance in synthetic organic chemistry 	<ul style="list-style-type: none"> Know about Cyanides and Isocyanides Diazonium salts: <ul style="list-style-type: none"> Understand Preparation method and its important reactions Know All Important Name Reactions, Conversion Reactions and Distinguishing tests 	students will Understand Preparation method and its important reactions Know All Important Name Reactions, Conversion Reactions and Distinguishing tests
	9 to 16 Sept 2024	Revision		
	18 to 30 Sept 2024	Term –I Examination		
21	1 to 10 oct 2024	Biomolecules <ul style="list-style-type: none"> Carbohydrates - Classification (aldoses and ketoses), mono saccharides (glucose and fructose), oligosaccharides (sucrose, lactose, maltose), imp Proteins -Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure & quaternary. structure 	Carbohydrates : <ul style="list-style-type: none"> Know the Classification (aldoses and ketoses), Know about mono saccharides (glucose and fructose) Know about DL configuration oligosaccharides (sucrose, lactose, maltose) Know about Polysaccharides (starch, cellulose, glycogen) Learn Importance of carbohydrates 	
22	1 to 10 oct 2024	Nucleic Acids: DNA and RNA	<ul style="list-style-type: none"> Know Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures Learn Denaturation of proteins Know Classification and functions Nucleic Acids Understand DNA and RNA 	Students will know general properties of proteins carbohydrates nucleic acids DNA & RNA
23	11 to 12 oct 2023	DUSSEHRA HOLIDAY		

24	14 to 19 OCT. 2024	Aldehydes, Ketones And Carboxylic Acids <ul style="list-style-type: none"> Aldehydes & Ketones: Nomenclature, nature of carbonyl group Methods of preparation Physical and Chemical Properties 	<ul style="list-style-type: none"> Learn Nomenclature Understand Nature of carbonyl group Methods of preparation	
25	21 to 28 Oct 2024	Aldehydes, Ketones And Carboxylic Acids <ul style="list-style-type: none"> Physical and Chemical Properties Mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes & uses 	<ul style="list-style-type: none"> Analyse Physical and chemical properties Understand Mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes	students will learn different method of preparation of aldehydes & ketones.
26	29 oct to 2 Nov 2024	Diwali Holiday		
27	4 to 9 Nov 2024	<ul style="list-style-type: none"> Carboxylic Acids: Nomenclature, acidic nature Methods of preparation, physical and chemical properties; uses	Carboxylic Acids: <ul style="list-style-type: none"> Learn Nomenclature Understand Methods of preparation, Analyse Physical and chemical properties 	students will Know All Important Name Reactions, Conversion Reactions and Distinguishing tests
28	11 to 16 Nov 2024	The d- and f- Block Elements <ul style="list-style-type: none"> d-&f- block elements : general introduction, electronic configuration, characteristics. Trends in properties of the first row transition metals Preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$ 	<ul style="list-style-type: none"> Identify Position of the d and f block elements in periodic table. Learn Electronic configuration of d and f block elements. Learn Preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$ 	students will learn different periodic properties of d & f block elements
29	18 to 23 Nov 2024	Lanthanoids - Electronic configuration, oxidation states and lanthanoid contraction Actinoids –Electronic configuration, Oxidation state, Comparison of Lanthanoid and actinoids	Know General characteristics of the d and f block elements	students will know general characteristics of the d and f block elements
	25 to 30 Nov 2024	Revision		
	2 to 4 Dec 2024	Revision		

	5 to 17 Dec 2024	PA III / Pre-Board -I		
30	18 to 21 Dec 024	Revision		
31	23 to 28 Dec 024	Revision		
32	2 to 4 Jan 2025	Revision		
33	6 to 13 Jan 2025	Revision		
34	16 to 27 Jan 2025	Pre-Board -II		

Subject:- Biology**Book Followed:- NCERT, GRB Publications, Moderns Publication**

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Ch2- Sexual reproduction in flowering plants: Flower structure; Development of male and female gametophytes;	To enable the students to: 1.Explain and draw the structure of flower 2.Explain the different terms like micro sporogenesis, mega sporogenesis, Double fertilization 3.Illustrate the structure of pollen grain, ovule.	Students will be able to: 1 Acquire the knowledge to identify various parts of flowers 2 Understand the process of microsporogenesis and megasporogenesis 3 Asthetically represent the structure of pollen grain and various types of ovules 4 Identify the various types of ovules.
2	11 to 16 March 2024	Ch2- Sexual reproduction in flowering plants: Pollination-types, agencies and examples; Out breeding devices; Pollen-Pistil interaction; Double fertilization; Post fertilization events- Development of endosperm and embryo, Development of seed and formation of fruit;	To enable the students to: 1.Discuss the formation of fruit and seed 2 Answer reasoning facts on pollination 3 Differentiate between autogamy, geitonogamy, xenogamy 4 Interpret the fate of parts of flower after fertilisation. 5 Appreciate the use of apomixis in farming,	Students will be able to : 1 Acquire the knowledge to identify various flowers pollinated by various agencies. 2 Elaborate the development of special modes of fruit formation and its key concepts. 3 Represent and analyse the endosperm formation and its importance. 4.Understand the usage of apomixtic seeds
3	18 to 23 March 2024	Ch3-Human reproduction ;Male and female reproductive systems; Microscopic anatomy of testis and ovary; Gametogenesis- spermatogenesis & oogenesis;	To enable the students to:1 Locate and explain the parts of male and female reproductive system2 Discuss the role of hormones in the control of reproduction3 differentiate between oogenesis and spermatogenesis4 Draw sectional views of ovary and testis	Students will be able to:1 Identify the parts of male and female reproductive parts2 explain the role of hormones in the system in a male and a female3 Lable the structures in the sectional view of ovary and testis
4	23 - 30 March 2024	Ch3-Human reproduction ; Menstrual cycle; Fertilisation embryo development upto blastocyst formation.	To enable the students to:: 1 Explain the pre fertilization events and the formation of a zygote 2 Trace the structural changes occuring during development of an embryo 3 Explain the role of hormones and its relation in the ovarian and uterian changes	Students will be able to: 1 Corelate the hormonal and ovarian events 2 Illustrate diagrammatically the changes in the development of an embryo

5	1 to 6 April 2024	Ch3-Human reproduction ; implantation; Pregnancy and placenta formation ; Parturition ; Lactation	To enable the students to:: 1 Explain the post fertilization events and the role of placenta during the development of embryo 2 Interpret the role of placenta 3 Explain the process of parturition	Students will be able to: 1 Understand the changes that occur in the embryo after fertilisation 2 Correlate the process of parturition and lactation with hormones
6	8 to 13 April 2024	Ch4-Reproductive health: Need for reproductive health and preventionof STD; Birth control – Need and Methods, Contraception and MTP; Amniocentesis; Infertility and assisted reproductive technologies	To enable the students to: 1 Justify the need of birth control,-explain the methods of contraceptives,appreciate the ART 2 State the causes of Sexually Transmitted Diseases 3 Explain the factors causing Infertility.	Students will be able to: 1 Understand the need for family planning 2 Adopt in life the methods to avoid STD 3 Apply in life the ARTs if needed
7	15 to 20 April 2024	Ch5-Principles of inheritance & variation: Mendelian Inheritance; Deviations from Mendelism- Elementary idea of polygenic inheritance;	To enable the students to: 1:Explain and understand Mendel'smonohybridand dihybrid experiment 2 draw the different laws like law of dominance,independent assortment, law of segregation. 3 Understand and express the Mendilianratios 4 To Study the pedigree chart on the genetic traits like widow's peak, Rolling tongue, Blood group, color blindness 5 To prepare a pedigree chart on any of the genetic disease. 6 Study of Mendelian inheritance using pea seeds of different colours and Size.	Students will be able to: 1 Illustrate the monohybridand dihybrid crosses 2 Evaluate phenotypic andgenotypic ratio in differentgeneration 3 Analyze and infer the blood grouppresent in them by the parental crosses 4 Understand the difference betweenmendelian cross and chromosomal inheritance 5 Prepare a pedigree chart on any of the genetic disease
8	22 to 30 April 2024	Ch5-Principles of inheritance & variation: Chromosome theory of inheritance; Chromosomes and genes; Sex determination, Linkage and crossing over;	To enable the students to: 1 Explain the justify various expts. of genetics 2 understand the role of genetics of sex determination 3 Explain the concept of linkage and its impact on genotype 4 To explore the critical thinking of the society that females are not responsible for the sex of offspring.	Students will be able to: 1 Elaborate the experiments of discovery of genetic material 2 Explain the mechanism of sex determination in various organisms 3 Justify that sex determination in humans is due to X and Y chromosome.

9	15 to 22 June 2024	Ch5-Principles of inheritance & variation: Sex linked inheritance Mendelian disorder in humans	To enable the students to: 1 Identify and comprehend the deviations of Mendeleism 2 Describe the flow of genes located in X and Y chromosome. 3 Cite the cause, Observe the symptoms of Mendelian disorder in humans 4 Identify the various Mendelian disorder in humans.	Students will be able to: 1 Explain the deviations of Mendeleism 2 List the cause, symptoms of Mendelian disorder in humans 3 Differentiate between the various Mendelian disorder in humans.
9	24 to 29 June 2024	Ch6-Molecular basis of inheritance: Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging;	To enable the students to: 1 Describe the outline of the roles of mRNA, tRNA, A and P sites, and peptidyl transferase in translation, 2. Prove the experiments leading to discovery of genetic material 3 Draw the structure of a nucleosome 4 Calculate the length of chromosome	Students will be able to: 1 Explain the types of RNA 2 Justify the role and structure of types of RNA 3 Describe expts of genetics 4 explain the need of nucleosome
10	1 to 6 July 2024	Ch6-Molecular basis of inheritance: DNA replication; Central dogma; Transcription, genetic code, translation;	To enable the students to: 1 Prove that replication is semi conservative 2 Draw a transcriptional unit 3 Predict the amino acid as per the genetic code 4 Explain the process of translation	Students will be able to: 1 Justify semi conservative replication 2 Read the genetic code 3 Describe and draw diagrams for translation
11	8 to 11 July 2024	Ch6-Molecular basis of inheritance: Gene expression and regulation - Lac Operon; Genome and human genome project; DNA finger printing Revision for PA 1	To enable the students to: 1 Understand the need for gene regulation and expression 2 Draw and explain Lac operon 3 Give the salient features of HGP 4 Describe the process of DNA fingerprinting	Students will be able to: 1 Describe the need for gene regulation 2 Justify the operation of various operons 3 Appreciate the findings of HGP 4 Elaborate the steps of DNA fingerprinting
12	12 to 22 July 2024	PA 1		
13	23 to 27 July 2024	Chapter-7: Evolution Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution;	To enable the students to: 1 Learn the concept of origin of life 2. Explain biological evolution and its evidences . 3. Elaborate Darwin's contribution with respect to modern synthetic theory of evolution. 4. Explain the concept of natural selection and its types.	Students will be able to: 1. Explain and compare the concept of various theories of evolution 2. Describe evolution and its patterns 3. Give and justify the Evidences of evolution

14	29 July to 3 August 2024	Chapter-7: Evolution Origin of life; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution.	To enable the students to: 1 Describe Gene flow and genetic drift. 2. Recall Hardy weinberg's principle its application. 3 Discuss Adaptive radiation and human evolution.	Students will be able to: 1. Explain the strategies of Hardy Weinberg principle. 2. Point out the conditions of deviations from Hardy Weinberg principle. 3 Explain the features of ancestral humans evolution.
15	5 to 10 August 2024	Ch8-Human health & disease: Pathogens; parasites causing human diseases; Basic concepts of immunology - vaccines;	To enable the students to: 1 Differentiate between infectious and non - infectious disease 2 List the common diseases and their symptoms 3 Explain about malarial life cycle 4 Explain the types of immunity with their sub-divisions	Students will be able to: 1 Define disease and symptoms. 2 Differentiate between the infectious and non infectious diseases. 3 Explain the mode of transmission of different diseases. 4 Describe the process of multiplication of HIV virus. 5 List out the name of microbes cause ringworm, filariasis, ascariasis and malaria.
16	12 to 17 August 2024	Ch8-Human health & disease: Cancer, HIV and AIDs; Adolescence, drug and alcohol abuse.	To enable the students to: 1 Understand the need for Vaccination and immunization 2 Differentiate between Vaccination and immunization 3 Explain about AIDS and CANCER 4 Describe various drugs and their abuse	Students will be able to: 1 Explain the function of immunity system in our body. 2 Know the importance of passive immunity during snake bites. 3 Explain the role of T-cell during organ transplantation . 4 Define cancer and its types. 5 Describe the harmful effects of drugs and alcohol abuse. 6 Apply their knowledge in day today life.
17	19 to 24 August 2024	Ch10-Microbes in human welfare: Microbes In household food processing, industrial production, Sewage treatment, energy generation and as biocontrol agents and biofertilizers.	To enable the students to: 1 Give examples of micro-organisms used in various household, industrial processes 2 Appreciate the use of organisms for human welfare 3 Name useful micro organisms 4. Describe sewage treatment 5 Analyse the benefits of organic farming 6 List the products generated from micro organisms	Students will be able to: 1 Define fermentation and antibiotic. 2 Identify the important microbes in our daily life. 3 Explain the role of the microbes in industries and sewage treatment. 4 Describe the process of biogas production. 5. Explain the function of cyclosporine A, Statins and Streptokinase . 6 Know the importance BGA in agriculture. 7 Explain the role of baculoviruses as

				biological control agent. 8 Define flocculation. 6 Describe the harmful effects of chemical pesticides. 9 Apply their knowledge in day today life.
18	26 to 31 August 2024	Ch11-Biotechnology & process: Principles and process of Biotechnology:	To enable the students to: 1 Understand principles of biotechnology and tools of recombinant DNA technology 2 Selection of transformed and recombinant cell. 3 Explain the mechanism of amplification of DNA	Students will be able to: 1 Describe the principles of biotechnology 2 Explain the role of vector and its features 3 Elaborate the amplification process of rDNA
19	2 to 7 Sept 2024	Ch11-Biotechnology & process:: Genetic engineering	To enable the students to: 1 Find the similarity and difference between DNA and Recombinant DNA, between sparged and stirred tank bioreactor. 2 Explain the use of selectable marker for selection of recombinant cells. 3 Explain recombinant DNA technology. 4 Use this knowledge in their higher study.	Students will be able to: 1 Give the Find the similarity and difference between DNA and Recombinant NA, between sparged and stirred tank bioreactor. 2 Explain the use of selectable marker for selection of recombinant cells. 3 Elaborate the steps with justifications for the steps of recombinant DNA technology. 4 Use this knowledge in their higher study.
20	9 to 16 Sept 2024	Revision for Term 1		
21	18 to 30 Sept 2024	Term 1 exam		
22	1 to 10 Oct 2024	Ch12-Biotechnology & its applications: In health and agriculture: Human insulin and vaccine production, gene therapy; Genetically modified organisms-Bt crops;	To enable the students to: 1 Understand the biotechnological applications in agriculture ,medicine ,transgenic animals and ethical issues. 2 Explain the Bt. Cotton, RNA interference 3. Understand mechanism of developing various biotechnological products 4. Apply the principles of biotechnology to make life better 5. Justify the need for biopatent and avoid biopiracy	Students will be able to: 1 Competencies developed in students: Students learn to work in collaboration to achieve common goal. Working in groups help to develop IPR and respect to each other. Maslow's hierarchy of needs will develop and "self actualisation" take place. Students will be able to: 1 Apply the knowledge gained to create new products 2 Appreciate the products of biotechnology 3 Adopt these products

	11 and 12 Oct 2024 Dussehera Holidays			
23	14 to 19 Oct 2024	Ch13-Organisms & populations: Habitat and niche, Population and ecological adaptations; Population interactions,	To enable the students to: 1 Understand the terminologies used in ecology 2 Differentiate between the various levels of ecological systems 3 Explain the role of organisms and abiotic components in influencing the ecosystem	Students will be able to: 1. Describe behavioural and physiological mechanisms by which organisms interact with other organisms and with their physical environment. 2. Describe biotic and abiotic factors that influence the dynamics of populations. 3. Describe how biogeochemistry, energy flow, or biodiversity of ecosystems responds to climate change or another disturbance.
24	21 to 28 Oct. 2024	Ch13-Organisms & populations: Population attributes growth, birth rate and death rate, age distribution.	To enable the students to: 1 Define different terms associated with ecology 2 Explain the impact of various factors on population growth	Students will be able to: 1 Explain how we use ecological principles to explain the consequences of human activity current economic and social issues. 2 Explain how we apply a mathematical or conceptual model to population or community dynamics.
	29 Oct to 2 Nov 2024 Diwali Holidays			
26	4 to 9 Nov 2024	Chapter-14: Ecosystem Ecosystems: Patterns, components; productivity and decomposition; energy flow; Ecosystems: pyramids of number, biomass, energy (Topics excluded: Ecological Succession and Nutrient Cycles)	To enable the students to: 1 Acquire knowledge about terms such as Biotic and abiotic components, productivity, decomposition, energy flow, nutrient recycling, detritus, humification, mineralization, standing crop, ecological succession etc. 2. Justify the claim that free flow of solar energy is required support ecosystem dynamics. 3. Distinguish primary and secondary productivity, detritus and grazing food chain, standing crop and standing state, hydrarch and xerarch succession. 4. Predict the changes in biotic community of a given abiotic environment. 5. Analyze the data to reach conclusion that flow of energy in an ecosystem is different from flow of matter. 6 Draw conclusion that secondary succession is faster than primary succession and the nature of abiotic components determine the biotic community in an ecosystem. 7 Use mathematical principles to compare and	Students will be able to: 1 Define terms such as Biotic and abiotic components, productivity, decomposition, energy flow, nutrient recycling, detritus, humification, mineralization, standing crop, ecological succession etc 2 Differentiate types of food chains 3 Calculate the flow of energy in each trophic level 4 Differentiate between types of succession 5 Explain the different steps in decomposition. 6 Draw diagrams to represent geochemical cycles 7 Define terms related to ecosystem

			draw conclusion about different ecological pyramids and net productivity. 8. Explain the different steps in decomposition. 9 Connect concepts of flow of energy through foodchain and food web. 10. Enhance awareness about environmental issues, problems and their appropriate solutions 11 Use representations or models to analyse quantitatively and qualitatively the effects of disruptions to dynamic homeostasis in biological systems	
27	11 to 16 Nov 2024	Ch15-Biodiversity & conservation: Concept of Biodiversity; Patterns of Biodiversity; Importance of Biodiversity; Loss of Biodiversity;	To enable the students to: 1 Learn the relationship between various organisms present in the world. 2 Understand the basic concepts about the interrelation and co relation of the individual in an ecosystem. 3 Explain the importance of bio diversity for the existence of the entire life on the earth. 4 Explain the importance of life form and their inter relationship by using different examples from their day to day life.	Students will be able to: 1 Describe the need to conserve biodiversity 2 Give reasons for loss of biodiversity 3 Adopt methods to conserve biodiversity
28	18 to 23 Nov 2024	Course completion		
29	25 to 30 Nov 2024	REVISION		
30	2 to 4 Dec 2024	PREBOARD 1		
31	5 to 17 Dec 2024	PREBOARD 1		
32	18 to 21 Dec 2024	REVISION		
33	23 to 28 Dec 2024	REVISION		
34	2 to 4 Jan 2025	PREBOARD - II		
35	6 to 13 Jan 2025	PREBOARD - II		
36	16 to 27 Jan 2025	Board Practical		

Subject:-Mathematics Core
Book Followed:- NCERT TEXT BOOK

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Ch 1 – Relation	To enable the student to 1.know the concept of Cartesian product and different types of relations. 2. identify Reflexive, symmetric, transitive and equivalence relations 3. Differentiate between Different types of functions their domain and range 4. proof of One-one(injective) functions, onto(surjective) functions, bijective functions 5. definition of composite functions 6. Invertible and inverse of functions.	Students will be able to 1. know the Concept of Cartesian product 2. Identify Different types of relations 3. find out domain and range of relations 4. different types of function and their domain and range 5. prove bijections of function and inverse of function 6. define Composition function
2	11 to 16 March 2024	Ch 1 – Function	To explain the concept of 1. Cartesian product and different types of relations. 2.Reflexive, symmetric, transitive and equivalence relations 3. Different types of functions their domain and range 4. One-one(injective) functions, onto(surjective) functions, bijective functions 5. composite functions 6. Invertible and inverse of functions.	After this lesson students will be able to know the 1. Concept of Cartesian product 2. Different types of relations 3. domain and range of relations 4. different types of function and their domain and range 5. bijections of function and inverse of function 6. Composition of function
3	18 to 23 March 2024	Ch 1- Binary operation	Explanation of Properties of the binary operation 1. Associative 2. Commutative 3. Identity operations 4. Inverse operation	Students will be able to identify properties: Associative Commutative Identity Inverse

4	25 to 30 March 2024	Ch 2 - Inverse trigonometry function	To enable students to 1. All formulas of trigonometric functions 2. Basic concepts related to inverse trigonometric functions 3. Domain and range of functions 4. Graphs of inverse trigonometric functions 5. Properties of inverse trigonometric functions 6. Result of without proof	Students will be able to: 1. All formulas of trigonometry 2. All formulas of inverse trigonometric functions 3. Able to apply different formulas in the problems 4. Understand the properties of inverse trigonometric function
5	1 April to 6 April 2024	Ch 3 –Matrices	To enable students to 1. Introduction and concepts of matrices with different definitions 2. Addition, subtraction and multiplication of two matrices 3. Multiplication of a matrix with scalar 4. Transpose of matrix	Students will be able to 1. define different types of matrices 2. Addition, subtraction and multiplication of matrices 3. They should know how to take transpose of matrices 4. Able to write matrix as a sum of symmetric and skew symmetric matrices
6	8 to 13 April 2024	Ch 3 –Determinants	To enable students to know about 1. determinants of a square matrix 2. Properties of determinants 3. minors and cofactors of determinants 4. Application of determinant using determinant	Students will be able to 1. find value of determinant 2. solving determinant using properties 3. finding factors and cofactors 4. finding area of triangle
7	15 to 20 April 2024	Ch 3- Adjoint and inverse of matrices	To enable students 1. to find the adjoint of matrix 2. Using adjoint find inverse of matrix	Students will be able to 1. Find the cofactors and adjoint of matrix 2. Finding inverse using adjoint of matrix
8	22 to 30 April 2024	Ch 4- Solution fo linear equation	To enable students: 1. know about the consistency and inconsistency of the equation 2. Number of solution of given equations 3. Method to solve linear equations of two or three variables using inverse of matrix	Students will be able to 1. Solve linear equation of two or three variables using matrices.
9	15 to 22 June 2024	Ch 5- continuity	To enable students know about concept of 1. Continuity of functions 2. Differentiability of function	Students will be able to 1. Finding continuity of functions 2. discontinuity of functions
10	24 to 29 June 2024	Ch 4- Differentiability	To enable students find out 1. Differentiation of algebraic functions, logarithmic functions, trigonometric functions	Students will be able to evaluate 1. all simple polynomial functions, algebraic functions, and trigonometric functions

11	1 to 6 July 2024	Ch 4- Differentiation	To enable students to find out 1. Differentiation of composite function and chain rule 2. Derivative of inverse trigonometric function 3. Derivative of implicit functions. 4. Derivative of logarithmic and exponential function	Students will be able to find derivative of implicit, logarithmic, inverse function using chain rule to find out derivative of composite function
12	8 to 11 July 2024	Revision		
13	12 to 22 July 2024	PA - 1		
14	23 to 27 July 2024	Ch 4- Higher order derivative	To enable students to know how to find out second derivative of all types of functions Rules to find out second order derivative of function	students will be able to solve the questions based on second and higher order derivative of functions Sums based on the higher order derivatives
15	29 July to 3 August 2024	Ch 5-application of derivative	To enable to know the concept of first derivative as a Rate measure geometrical interpretation of rate measure	Students will be able to solve the questions of rate measure, which require to find out the first derivative of function
16	5 to 10 August 2024	Ch 5-application of derivative	To enable to know concept and geometrical interpretation of tangents and normal by finding the first derivative of given function	students will be able to evaluate the equation of tangent and normal to the given curve, they will be able to solve the questions based on tangents and normal for given curve
17	12 to 17 Aug 2024	Ch 5-application of derivative	To enable the students to know about the concept of increasing and decreasing of function, to identify the interval where the given curve is increasing and decreasing	Students will be able to know the conditions for which given function is increasing or decreasing, they will be able to find out the interval in which functions shows its behavior.
18	19 to 24 August 2024	Ch 5-application of derivative	To enable the students to analyze the Concept of maximum and minimum value of given function, if they possess. Methods to find out the values and the behavior of the given function or curve will be discussed and explained	Students will be able to identify the ways to find out the maxima and minima of different curve, some case study questions will be solved and simplified using steps of derivatives.

19	26 to 31 August 2024	Ch 6- Integration	To enable the students to know the concepts and formulas of simple algebraic, trigonometric, logarithmic and exponential functions To enable the students to know the concepts and formulas of simple algebraic, trigonometric, logarithmic and exponential functions function using substitution method	Students learned about :1)integration2)Different methods of integrationBy different approaches they learn3)Manipulation4) Logical thinking Students will be able to analyse the questions where substitution is required and solutions can be attained
20	2 to 7 Sept 2024	Ch 6- Integration	To enable the students able to know the concepts and formulas of trigonometric function , inverse of function to be simplified	Students will be able to simplify the inverse trigonometric function and can find out the integral for the same
21	9 to 16 Sept 2024	REVISION		
22	18 TO 30 Sept 2024	Term 1 Examination		
23	1 to 10 Oct. 2024	Ch 6- Integration	To enable the students to find out partial fraction of the given fraction using the rules and after finding the fraction find out the integration of the function	Students will be able to evaluate the partial fraction of the given function and then can find out integral of the same
24	11 to 12 Oct. 2024	Dussehra Holidays		
25	14 to 19 Oct. 2024	Ch 6- Integration	To enable the students to find out the integral of the product of two functions using ILATE rule To enable the students to find the Area of bounded curve	students will be able to use the concept of ILATE and using rule they will be able to solve the sums of integration Students learned about : 1) to find the Area of bounded curve 2)Critically think and visualize the shapes 3) Accurately calculate area
26	21 to 28 Oct. 2024	Ch 7- Vectors	To enable the students to understand the 1) dot and cross product of vectors 2)area of triangle and quadrilateral. 3)Scalar triple product	Through the concept of vectors and its usage students will attain 1) Development of visualization 2)understanding need for different types of quantities
27	29 to 2 Nov. 2024	DIWALI HOLIDAYS		

28	4 to 9 NOV.2024	Ch 7- Vectors	To enable the students to understand the 1) dot and cross product of vectors 2)area of triangle and quadrilateral. 3)Scalar triple product	Students will be able to do 1) dot and cross product of vectors 2)area of triangle and quadrilateral. 3)Scalar triple product 4) to visualize vectors 5)understanding different types of quantities and its importance
29	11 to 16 Nov.2024	Ch 8- 3- Dimentional Geometry	To enable students to know about concept of direction cosines, ratios, distance between two lines, distance between skew lines, angle between lines	Through approach adopted for problems students will attain 1)Imagination 2)Systematic approach 3)Efficiency 4)Creativity they will be able to find 1)Equation of line in Cartesian and vector form 2) Angle between two lines and shortest distance between the plane and shortest distance in 3 Dimensional geometry 5)Foot of perpendicular from a point to the line 6) Equation of planes in Cartesian and vector form 7)Angle between two planes and shortest distance between a point and a plane .8)intersection point of a line and plane 9) Imagine line and plane 2)To proceed in Systematic manner 3)deal Efficiently
30	18 to 23 Nov.2024	Ch 9- Linear Programming Problems	To enable the students to understand: 1)Objective function & Constraints 2)Non-negative constraints 3)Basic variables & Basic solution 4)Feasible solution -Optimal solution 5)Iso-profit line 6)Convex set 7)Corner point method 8)Bounded region, Un Bounded region 9)Iso-profit or Iso-cost method	Through this chapter students will attain 1) To handle optimization problems(Efficiency) 2) develop Systematic approach 3)Differentiate constraint from problem.
31	25 to 30 Nov.2024	Ch 10- Probability	To enable the students to understand: 1)Addition theorems on probability 2)Conditional probability 3)Multiplication theorems on probability	Through this chapter students will develop 1)Logical thinking to Handling Risk 2)Imagination for Manipulating situation for better result Students learned/ developed : 1)Addition and Multiplication theorems on probability 2)Conditional probability 3)Independent events, Total probability and Baye's Theorem
32	2 to 4 Dec 2024	Revision		

33	5 to 17 Dec. 2024	Pre-Board 1		
34	18 to 21 Dec.2024	REVISION		
35	23 to 28 Dec 2024	REVISION		
36	2 to 4 Jan 2025	REVISION		
37	6 to 13 Jan 2025	REVISION		
38	16 to 27 Jan 2025	Pre-Board II		

Subject:- Accountancy**Book Followed:- NCERT, T.S Grewal**

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Unit 2, Chapter 1- Accounting for Share Capital -Features and types of companies -Share and share capital: nature and types -Issue and allotment of equity and preferences shares. Public subscription of shares - over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest),	To enable the students to: 1. Understand the meaning of share capital 2. Differentiate between different classes of shares and different types of share capital. 3. Do Accounting for. Issue of shares under various situation and on different terms.	Students will be able to: 1. explain the accounting treatment of share capital transactions regarding issue of shares under different categories 2. Explain the meaning of share and share capital 3. Identify different types of Shares and Share capital
2	11 to 16 March 2024	Unit 2, Chapter 1- Accounting for Share Capital -forfeiture and re- issue of shares.	To enable the students to: 1. Explain the meaning and accounting entries for forfeiture and re- issu of shares	Students will be able to : 1. develop the understanding of accounting treatment of forfeiture and re-issue of forfeited shares.
3	18 to 23 March 2024	Unit 2, Chapter 1- Accounting for Share Capital - issue of shares for consideration other than cash. - Private Placement and Employee Stock Option Plan (ESOP) - Disclosure of share capital in the Balance Sheet of a company.	To enable the students to: 1. Explain accounting treatment of issue of shares for consideration other than cash 2. Explain Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. 3. Explain how to disclose share capital in the Balance Sheet of a company.	Students will be able to: 1. Do accounting entries of issue of shares for consideration other than cash 2. Explain meaning of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. 3. Present share capital of a company as per schedule III of Companies Act, 2013
4	25 to 30 March 2024	Unit 2, Chapter 1- Accounting for Debentures - Meaning, types, Issue of debentures at par, at a premium and at a discount. - Issue of debentures for consideration other than cash;	To enable the students to:: 1. Explain the meaning of Debenture and its types. 2. Explain the meaning of Par, Premium and Discount. 3. Explain about Issue of debentures for consideration other than cash;	Students will be able to: 1. Do the accounting treatment of different categories of transactions related to issue of debentures. 2. Do accounting entries of issue of Debenture for consideration other than cash

5	01 April to 06 April 2024	Unit 2, Chapter 1- Accounting for Debentures- Issue of debentures with terms of redemption- debentures as collateral security-concept, interest on debentures. - Writing off discount / loss on issue of debentures.	To enable the students to::1. Understand different terms of redemption2. Explain meaning of collateral security-concept, interest on debentures. 3. Explain meaning of Writing off discount / loss on issue of debentures.	Students will be able to:1. develop the understanding and skill of writing of discount / loss on issue of debentures.2. understand the concept of collateral security and its presentation in balance sheet.3. develop the skill of calculating interest on debentures and its accounting treatment.4. state the meaning of redemption of debentures.
6	08 to 13 April 2024	Unit 1, Chapter 1- Fundamentals - Partnership: features, Partnership Deed. - Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. - Fixed v/s fluctuating capital accounts.	To enable the students to: 1. Explain all aspects of partnership 2. Explain contents of partnership deed. 3. Explain various provision of Partnership Act. 4. Explain fixed and fluctuating capital,	Students will be able to: 1. state the meaning of partnership, partnership firm and partnership deed. 2. describe the characteristic features of partnership and the contents of partnership deed. 3. discuss the significance of provision of Partnership Act in the absence of partnership deed. 4. differentiate between fixed and fluctuating capital,
7	15 to 20 April 2024	Unit 1, Chapter 1- Fundamentals - Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. - Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio).	To enable the students to: 1. Prepare P & L Appropriation Account including guarantee of profits. 2. Make Past Adjustment in Partnership Firm.	Students will be able to: 1. outline the process and develop the understanding and skill of preparation of Profit and Loss Appropriation Account involving guarantee of profits.. 2. develop the understanding and skill of making past adjustments.
8	22 to 30 April 2024	Unit 1, Chapter 2- Valuation of Goodwill - Goodwill: meaning, nature, factors affecting - methods of valuation - average profit, super profit and capitalization.	To enable the students to: 1. Explain various aspects of Goodwill. 2. Do Valuation of Goodwill.	Students will be able to: 1. state the meaning, nature and factors affectin goodwill 2. develop the understanding and skill of valuation of goodwill using different methods.
9	15 to 22 June 2024	Unit 1, Chapter 3- Change in the Profit Sharing Ratio - Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio - accounting for revaluation of assets and reassessment of liabilities	To enable the students to: 1. Calculate sacrificing ratio, gaining ratio and new profit ratio. 2. Do the accounting treatment of revaluation assets and reassessment of liabilities	Students will be able to: 1. state the meaning of sacrificing ratio, gaining ratio and the change in profit sharing ratio among existing partners. 2. develop the understanding of accounting treatment of revaluation assets and reassessment of liabilities

10	24 to 29 June 2024	Unit 1, Chapter 3- Change in the Profit Sharing Ratio - Accounting for accumulated profits and losses. - Preparation of revaluation account and balance sheet.	To enable the students to: 1. Prepare Revaluation Account 2. Prepare Balance Sheet	Students will be able to: 1. develop the understanding of treatment of reserves and accumulated profits by preparing revaluation account and balance sheet.
11	01 to 06 July 2024	Unit 1, Chapter 4 - Admission of a partner - effect of admission of a partner on change in the profit sharing ratio. - treatment of goodwill (as per AS 26)	To enable the students to: 1. Calculate sacrificing ratio, gaining ratio and new profit ratio. 2. Make necessary adjustment of Goodwill.	Students will be able to: 1. explain the effect of change in profit sharing ratio on admission of a new partner. 2. develop the understanding and skill of treatment of goodwill as per AS-26,
12	8 to 11 July 2024	Revision for PA1		
13	PA 1 12/07-- 22/07			
14	23 to 27 July 2024	Unit 1, Chapter 4 - Admission of a partner - treatment for revaluation of assets and re-assessment of liabilities - treatment of reserves, accumulated profits and losses - adjustment of capital accounts and preparation of capital, current account and balance sheet.	To enable the students to: 1. Make necessary adjustment related to revaluation of assets and re-assessment of liabilities, reserves and accumulated profits 2. Prepare capital, current account and balance sheet of the new firm.	Students will be able to: 1. develop the understanding and skill of treatment of revaluation of assets and re-assessment of liabilities, 2. treatment of reserves and accumulated profits 3. adjustment of capital accounts and preparation of capital, current account and balance sheet of the new firm.
15	29 July to 03 August 2024	Unit 1, Chapter 4 - Admission of a partner - adjustment of capital accounts and preparation of capital, current account and balance sheet.	To enable the students to: 1. Prepare capital, current account and balance sheet of the new firm.	Students will be able to: 1. develop the understanding and skill of making adjustment in capital accounts and preparation of capital, current account and balance sheet of the new firm.
16	05 to 10 August 2024	Unit 1, Chapter 5 - Retirement of a partner - effect of retirement of a partner on change in profit sharing ratio- treatment of goodwill (as per AS 26)-treatment for revaluation of assets and reassessment of liabilities- adjustment of accumulated profits, losses and reserves	To enable the students to: 1. Calculate sacrificing ratio, gaining ratio and new profit ratio. 2. Make necessary adjustment of Goodwill. 3. Make necessary adjustment related to revaluation of assets and re-assessment of liabilities, reserves and accumulated profits	Students will be able to: 1. explain the effect of retirement of a partner on change in profit sharing ratio. 2. develop the understanding of accounting treatment of goodwill, revaluation of assets and re-assessment of liabilities and adjustment of accumulated profits, losses and reserves on retirement

17	12 to 17 August 2024	Unit 1, Chapter 5 - Retirement of a partner - adjustment of capital accounts and preparation of capital, current account and balance sheet. - Preparation of loan account of the retiring partner.	To enable the students to: 1. Prepare capital, current account and balance sheet of the new firm. 2. Explain provisions related to amount due to the retiring partner.	Students will be able to: 1. develop the understanding of capital adjustment. 2. prepare the capital accounts of the remaining partners and the balance sheet of the firm after retirement. 3. prepare the Loan account of the retiring partner.
18	19 to 24 August 2024	Unit 1, Chapter 6 - Death of a partner - Calculation of deceased partner's share of profit till the date of death. - Preparation of deceased partner's capital account and his executor's account.	To enable the students to: 1. calculate deceased partner's share till the time of his death. 2. Prepare deceased partner's capital account and executor's account.	Students will be able to: 1. develop the skill of calculation of deceased partner's share till the time of his death and prepare deceased partner's and executor's account. 2. discuss the preparation of the capital account at the time of death of a partner.
19	26 to 31 August 2024	Unit 1, Chapter 6 - Dissolution of a partnership firm - meaning of dissolution of partnership and partnership firm - types of dissolution of a firm. - Settlement of accounts	To enable the students to: 1. Explain various cases under which a partnership firm can be dissolved. 2. Explain provisions of Section 48 of The Indian Partnership Act, 1932	Students will be able to: 1. understand the situations under which a partnership firm can be dissolved. 2. Settle the accounts as per provisions.
20	02 to 07 Sept. 2024	Unit 1, Chapter 6 - Dissolution of a partnership firm - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c	To enable the students to:	Students will be able to: 1. develop the understanding of preparation of realisation account and other related accounts.
21	09 to 16 Sept. 2024	REVISION FOR TERM 1		
22	18 to 30 Sept. 2024	Term 1 exam		

23	01 to 10 Oct 2024	Unit 3, Chapter 1 - Financial statements of a Company- Meaning, Nature, Uses and importance of financial Statement.- Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013)	To enable the students to:1. Explain major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet and Statement of profit and loss.2. Explain the meaning, objectives and limitations of financial statement analysis.	Students will be able to:1. develop the understanding of major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet as per the prescribed norms / formats.2. state the meaning, objectives and limitations of financial statement analysis.
		Dushera break 11- 12 Oct 2024		
24	14 to 19 Oct 2024	Unit 3, Chapter 2 - Tools for Financial Statement Analysis. - Meaning, Significance Objectives, importance and limitations. - Cash flow analysis, ratio analysis.	Students will be able to: 1. Explain cross sectional, horizontal, vertical and time series analysis. 2. Explain Cash flow analysis, ratio analysis.	Students will be able to: 1. state the meaning, objectives and limitations of financial statement analysis. 2. discuss the meaning of different tools of 'financial statements analysis'.
25	21 to 28 Oct 2023	Unit 3, Chapter 3 - Accounting Ratios - Meaning, Objectives, Advantages, classification and computation. - Liquidity Ratios: Current ratio and Quick ratio. - Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. Debt to Capital Employed Ratio.	Students will be able to: 1. Explain the importance of different types of ratios. 2. Compute Liquidity and Solvency Ratios.	Students will be able to: 1. state the meaning, objectives and significance of different types of ratios. 2. develop the understanding of computation of current ratio and quick ratio. 3. develop the skill of computation of debt equity ratio, total asset to debt ratio, proprietary ratio and interest coverage ratio.
		Diwali break 29 Oct - 02 Nov 2024		
26	04 to 09 Nov 2024	Unit 3, Chapter 3 - Accounting Ratios- Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Fixed Asset Turnover Ratio, Net Asset Turnover Ratio and Working Capital Turnover Ratio., Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment.	Students will be able to:1. Compute and interpret Turnover Ratios. 2. Compute and interpret Profitability Ratios	Students will be able to:1. develop the skill of computation of inventory turnover ratio, trade receivables and trade payables ratio and working capital turnover ratio and others. 2. develop the skill of computation of gross profit ratio, operating ratio, operating profit ratio, net profit ratio and return on investment
27	11 to 16 Nov 2024	Unit 3, Chapter 4 - Cash Flow Statement - Meaning, objectives Benefits - Cash and Cash Equivalents, - Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)	Students will be able to: 1. Explain the meaning and objectives of cash flow statement. 2. Explain different activities under CFS. 3. Explain the contents of Cash & cash equivalents.	Students will be able to: 1. state the meaning and objectives of cash flow statement. 2. Identify different activities.

28	18 to 23 Nov 2024	Unit 3, Chapter 4 - Cash Flow Statement - NPBT - Operating Activity - Investing Activity - Financing Activity	Students will be able to: 1. calculate NPBT and Cash flow from operating activity, Investing Activity, Financing Activity	Students will be able to: 1. develop the understanding of calculating NPBT and Cash flow from operating activity, Investing Activity, Financing Activity
29	25 to 30 Nov 2024	Unit 3, Chapter 4 - Cash Flow Statement - Comprehensive problems with adjustments	Students will be able to: 1. prepare Cash Flow Statement using indirect method as per AS 3 with given adjustments.	Students will be able to: 1. develop the understanding of preparation of Cash Flow Statement using indirect method as per AS 3 with given adjustments.
30	02 to 04 Dec 2024	REVISION		
31	05 to 17 Dec 2024	PREBOARD I		
32	18 to 21 Dec 2024	REVISION		
33	23 to 28 Dec 2024	REVISION		
34	02 to 04 Jan 2025	REVISION		
35	06 to 13 Jan 2025	REVISION		
36	16 to 27 Jan 2025	PREBOARD II		

Subject:- Business Studies**Book Followed: NCERT**

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Chapter 1: Nature of Management 3. Importance of management 4. Objectives of management 5. Management as Science, Art and Profession 6. Levels of management 7. Coordination- concept and importance 8. Objectives of management	To enable the students to: 1. Acquaint with the various hierarchies in management. 2. Examine the nature of management as a science, art and profession. 3. Apprise the features and importance of Coordination	Students will be able to: 1. Understand the role of top, middle and lower levels of management 2. Justify management as both science and an art. 3. Appreciate the presence of coordination in management.
2	11 to 16 March 2024	Chapter 2. Principles of management 1. Meaning of Principles of management 2. Features of Principles of management 3. Fayol's 14 principles of management 4. Importance of Principles of management	To enable the students to: 1. Comprehend various principles of management in the decision making process of a manager.	Students will be able to: 1. Differentiate between management principles and scientific principles. 2. List out the features of principles of management 3. Appreciate the importance of principles of management
3	18 to 23 March 2024	Chapter 2. Principles of management 5. Comparison between Scientific principles and Management principles Taylor's principles and techniques	To enable the students to : 1. Understand the principles propounded by management practitioners .2. Understand the techniques suggested by Taylor 3. Cite at least 5 examples from real life situation where these techniques are applied.	Students will be able to: 1. Discuss the positive impacts of application of principles of management 2. Discuss the possible consequences of the violation 3. Appreciate the importance of principles of management 4. Apply the techniques for the successful implementations of the principles.
4	25 to 30 March 2024	Chapter 11: Marketing Management 1. Concept and Functions of marketing 2. Philosophies of marketing 3. Product and its element 4. Physical distribution and its	Enable students to: 1. Illustrate various marketing functions] performed and philosophies adopted by marketers to achieve the objectives of business.	Students will be able to : 1. Understand the concept of marketing. 2. Explain the features of marketing. 3. Discuss the functions of marketing.

		components		4. Analyze the marketing philosophies 5. Understand the concept of branding, labeling and packaging.
5	1 to 6 April 2024	Chapter 11: Marketing Management 1. Factors affecting Pricing decision 2. Physical distribution and its components 3. Promotion and its components	Enable the students to: 1. Prepare a concept map of marketing mix and their elements. 2. Illustrate various ways and role of promotion in brand loyalty.	Students will be able to: 1. Understand the concept of branding, labeling and packaging. 2. Describe the factors determining price of a product 3. Explain the important decision related to the physical distribution. 4. Discuss various elements of promotion.
6	8 to 13 April 2024	Chapter 3 : Business Environment 1. Business Environment- concept and importance 2. Dimensions of Business Environment 3. Impact of Government policy changes on business	Enable the students to: 1. Develop an understanding that changes in the business environments bring opportunities and challenges for the business. 2. Develop the understanding that policies of liberalization, privatization and globalization have impacted the Indian Business Environment greatly 3. Explain the impact of Demonetization on business.	Students will be able to: 1. Describe the meaning of business environment & its importance. 2. Discuss different types of business environment 3. Investigate the impact of business environment changes on the success and failure of the organization.
7	15 to 20 April 2024	Chapter 12: Consumer Protection 1. Meaning of consumer 2. Rights and responsibilities of consumers 3. Who can file a complaint? 4. Redressal machinery 5. Remedies available	1. Appreciate the concept and importance of consumer protection. 2. Highlight the role of state and consumer organizations in spreading consumer awareness 3. Write at least 5 examples in which consumers are being exploited. 4. Investigate remedial available to consumers in real life situation.	1. Understand the concept of a consumer according to the Consumer Protection Act, 2019. 2. Understand the responsibilities and Explain the consumer rights 1. of consumers. 3. Understand who can file a complaint and against whom? 4. Discuss the legal redressal machinery under Consumer Protection Act, 2019. 5. Examine the remedies available to the consumer under Consumer Protection Act, 2019.
8	22 to 30 April 2024	Chapter 4: Planning 1. Concept, 2. importance	1. Appreciate planning as a primary function of management. 2. List out precautions to be taken in the	1. Understand the concept of planning. 2. Describe the importance of planning. 3. Understand the limitations of planning.

		3.Limitations 4.Planning process 5.Types of plan	planning. 3. Prepare a flow chart depicting steps in the planning process. 4..categorize various types of plans"	4. Describe the steps in the process of planning. 5. Discuss and differentiate various types of plan in the business.
9	15 to 22 June 2024	Chapter 5: Organizing 1. Concept, 2. importance 3.Steps	1. Summaries the role of organizing various resources in the establishment of a business. 2. Prepare a flow chart depicting steps in the organizing process.	1. Understand the concept of organizing as a structure and as a process. 2. Discusses the importance of organizing
10	24 to 29 June 2024	Chapter 5 :Organizing 4. Structure of organization- functional and divisional concept. Formal and informal organization- concept	1. Explain the advantages, disadvantages and suitability of functional and divisional structure 2. Discuss the advantages, disadvantages of formal and informal organization	1. Describe functional and divisional structures of organization . 2. Understand the concept of formal and informal organization.
11	1 to 6 July 2024	5.. Delegation: concept, elements and importance 6..Decentralization: concept and importance	. 3.Appreciate the importance of Delegation and decentralization	3. Understand the concept of delegation and decentralization 4.Differentiate between delegation and decentralization.
	8 to 11 July 2024	Revision for PA- 1		
	12 to 22 July 2024	PA-1		
12	23 to 27 July 2024	Chapter 6 :Staffing 1.Concept and Its process	1. Highlight the specialized duties and activities performed by Human Resource Management.	1. Describe the steps in the process of staffing
13	29 July to 3 August 2024	Chapter 6 :Staffing 2.Recruitment and its methods 3.Selection and its steps	2. Explain the merits and demerits of internal and external sources of recruitment.	2. Discuss the sources of recruitment. 3..Describe the steps involved in the process of selection
14	5 to 10 August 2024	Chapter 6 :Staffing 4.Training and Development	4. Discuss on the job and off the job methods of training.	4. Identify the need of training and development for the growth of an individual and an organization.
15	12 to 17 August 2024	Chapter 6: Staffing 5.various methods of training Chapter 7: Directing 1.Meaning and concepts 2.Supervision 3. Motivation and its process	1.Recall various methods of training in HR practice 2. Classify various elements of directing.	1. Design structured employment interviews 2. Appreciate the importance of an appropriate elements of directing in initiating actions.

16	19 to 24 August 2024	Chapter 7: Directing 4. Masloq's need hierarchy 5. Financial Incentives 6. Non Financial Incentives 7. Communication and its process	1. Identify the appropriate technique of incentive to inspire the people at work in the management process.	1. Develop an understanding of Maslow's Hierarchy of needs. 2. Discuss the various financial and non-financial incentives. 3. Discuss the concept of formal and informal communication.
17	26 to 31 August 2024	Chapter 7: Directing 8. Barriers to communication 9. Ways to remove barriers	Discuss the various barriers to effective communication.	Suggest measures to overcome barriers to communication.
	2 to 7 Sept. 2024	Revision		
	9 to 16 Sept. 2024	Revision		
	18 to 30 Sept. 2024	Term I Examination		
18	1 to 10 October 2024	Chapter 8: Controlling 1. Meaning and concept 2. Importance 3. Steps 4. Relationship between planning and controlling	1. Correlate between the primary function and controlling function of management. 2. List out various steps in the controlling process. 3. Establish the relationship between planning and controlling	1. Understand the concept of controlling. 2. Explain the importance of controlling. 3. Prescribe the ways for the analysis of deviation. 4. Describe the relationship between planning and controlling
19	11 and 12 October 2024	Dussehra Holiday		
20	14 to 19 October 2024	Chapter 10: Financial Market 1. Financial Markets: concept and types and functions	1. Depict the allocative function of financial market. 2. Discover various functions of financial market. 3. Classify types of financial market.	Understand the concept of financial market, money market and capital market.
21	21 to 28 October 2024	Chapter 10: Financial Market 1. Money market and its instruments. 2. Capital market and its types (primary and secondary). 3. Stock Exchange - functions and trading procedure.	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
22	29 Oct to 2 Nov 2024	Diwali Holiday		
23	4 November to 9 November 2024	Chapter 10: Financial Market 1. Depository and dematerialization 2. SEBI and its functions	1. State the use of dematerialization in trading procedure. 2. Highlight 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.

24	11to 16 November 2024	Chapter 09: Financial Management 1. Meaning and concept 2. Role of Financial Management 3. Investment decision 4. Financing decision	1. Articulate the use of three financial decision to maximise shareholders wealth. 2. List out factors affecting investment and financing decision.	1. Discuss the three financial decisions and the factors affecting them.
25	18 to 23 November 2024	Chapter 09: Financial Management 5. Dividend decision 6. Capital Structure and its factors 7 Fixed capital requirements 8. Working Capital requirement	1. List out factors affecting dividend decision. 2. Determine various factors affecting capital structure 3. Calculate EPS in different situation and analyse the answer.. 4. Appreciate its importance of developing an optimal proportion of debt and equity in the capital structure.	1. Understand situations in which company prefer to retain more profit. 2. Decide the optimal debt to equity ratio 3. Get aware of the factors which affect the fixed capital and working capital requirements of a business
26	25 to 30 Nov 2024	REVISION		
27	02 to 04 Dec 2024	REVISION		
28	5 to 17 Dec 2024	Pre- Board I		
29	18 to 21 Dec 2024	REVISION		
30	23 to 28 Dec Dec 2024	REVISION		
31	2 to 4 Jan 2025	REVISION		
32	6 to 13 Jan 2025	REVISION		
33	16 to 27 Jan 2025	Pre- Board II		

Subject:- ECONOMICS**Book Followed:- NCERT, Sandeep Garg, VK Ohri**

S.No.	Month/ Week	Lesson to be taught	Learning Objects	Learning Outcomes
1	1 to 9 March 2024	Macro Economics: Unit 1 - National Income & Related Aggregates 1. Basic Concepts and terms	To enable the students to: 1. Discuss the basic concepts and terms like factor income, transfer income, domestic income, national income etc. 2. Define the meaning of stock and flow, investment and depreciation.	Students will be able to: 1. Identify various basic terms on the basis of their characteristics or examples provided. 2. Differentiate between stock and flow; net investment and gross investment
2	11 to 13 March 2024	Macro Economics: Unit 1 - National Income & Related Aggregates 1. Circular flow of income (two sector model) 2. Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price and factor cost	To enable the students to: 1. Find about the different types of sectors between which the income flow. 2. Analyze the working of 'Two sector circular flow model'. 3. Sequence the different aggregates of National Income.	Students will be able to: 1. Label different sectors that function as per income flow in the economy. 2. Break down the flow of income in two different flows; money flow and real flow. 3. Identify different aggregates of National Income on the basis of its measurement.
3	18 to 23 March 2024	Macro Economics: Unit 1 - National Income & Related Aggregates 1. Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method 2. Precautions to be taken while measuring National Income	To enable the students to: 1. Analyze the methods of calculation of National Incomes. 2. Estimate the precautions to be taken while measuring National Income	Students will be able to: 1. Measure the level of National Income using different methods. 2. Identify at least 3 precautions to be taken care of while measuring National Income
4	25 to 30 March 2024	Macro Economics: Unit 1 - National Income & Aggregates 1. Things to be added and not added in Domestic Income &	To enable the students to: 1. Express the concepts and identify the components to be added and not added in Domestic Income & National Income	Students will be able to: 1. Identify the components to be added and not added in the calculation of Domestic Income & National Income

		National Income 2. Real and Nominal GDP 3. GDP Deflator 4. GDP and Welfare	2. Draw the difference between Real GDP and Nominal GDP 3. Retrieve the concept of GDP Deflator and its measurement 4. Estimate the limitations of GDP as an indicator of welfare and draw conclusion.	2. Differentiate between Real and Nominal GDP. 3. Calculate GDP and GDP Deflator. 4. Elaborate the limitations of GDP as an indicator of welfare.
5	1 to 6 April 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991 1. A brief introduction of the state of Indian economy on the eve of independence.	To enable students to: 1. Infer the modern history of Indian economics right from the British era. 2. Construct the structure of Indian Agriculture during the era. 3. Estimate the condition of Industrial sector and analyze the reason for downfall of Indian Handicraft Industry.	Students will be able to: 1. Summarize the history of Indian Economy especially at the time of advent of Britishers. 2. Outline any 3 features of Indian Economy at the time of independence. 3. Discuss the highlighted features of Industrial sector during British rule.
6	8 to 13 April 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991 1. A brief introduction of the state of Indian economy on the eve of independence.	To enable students to: 1. Illustrate the condition of India's Foreign Trade. 2. Infer about India's occupational structure. 3. Identify the state of India's demographic profile under British rule. 4. Analyze the outcome of British rule on Indian Economy and some of its positive impacts.	Students will be able to: 1. List any 3 features of India's Foreign Trade. 2. Discuss the features of India's Occupational structure. 3. Elaborate the main features of India's demography during British rule. 4. State and explain any 4 positive contributions by Britishers.
7	15 to 20 April 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991: 1. Indian Economy 1950-1990	To enable students to: 1. Summarize the Economic Planning System. 2. Discuss the reasons due to which 5-year planning system was adopted in India. 3. Relate to the goals set by the Planning commission and know the 5-year planning system. 4. Discuss the policies launched and its impact on economic growth.	Students will be able to: 1. Present the characteristics of Indian economic system adopted by free India. 2. Elaborate the goals defined by Planning commission of India. 3. Write and explain the policies introduced in different sectors.

8	22 to 30 April 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991: 1. Indian Economy 1950-1990	To enable the students to: 1. Recall the invent of Green Revolution and its course of action and result. 2. Analyze the provision and working of Industrial Policy Resolution. 3. Extend the policies introduced to improve India's trade and domestic industries.	Students will be able to: 1. Recite the strategy of Green Revolution. Explain its positive and negative effects. 2. Discuss different policies under IPR 1956 3. Examine Import Substitution Policy adopted by Indian government and its advantages.
9	15 to 22 June 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991: 1. Liberalization & its Policies	To enable the students to: 1. Express the meaning of Liberalization. 2. Appraise the sub-clauses and norms in liberalization. 3. Analyze the liberal policies adopted in different sectors.	Students will be able to: 1. Explain the reference and meaning of liberalization. 2. Elaborate the sectors that are affected by liberalization.
10	24 to 29 June 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991: 1. Privatization	To enable the students to: 1. Express the meaning of privatization. 2. Recommend the methods of privatizing the public sector enterprises. 3. Analyze the role of Maharatnas, Miniratnas and Navratnas.	Students will be able to: 1. Identify the meaning of privatization. 2. Summarize the methods of privatizing the public sector enterprises. 3. List down the categories and role of Maharatnas, Miniratnas and Navratnas.
11	1 to 6 July 2024	IED: Unit 1 - Development Experience (1947-90) and Economic Reforms since 1991: 1. Globalization - WTO & Outsourcing	To enable students to: 1. Express the meaning of globalization. 2. Extend the ways to globalize; ideas, technology, knowledge. 3. Analyze the situation of outsourcing and India as a hub for Outsourcing around the world.	Students will be to: 1. Provide examples of globalization. 2. Outline the ways to globalize; ideas, technology, knowledge. 3. Illustrate the situation of outsourcing and India as a hub for Outsourcing around the world.
12	8 to 11 July 2024	Revision		
13	12 to 22 July 2024	PA 1		

14	23 to 27 July 2024	Macro Economics; Unit 2 - Money & Banking 1. Money - Definitions 2. Functions of Money 3. Money Supply & Its Measurements	To enable the students to: 1. Relate to the meaning of Money and understand its flow in the economy. 2. Retrieve the reason behind adoption of money as medium of exchange after Barter System. 3. Investigate the primary and secondary functions of money. 4. Estimate the supply of money and analyze the system of measurement of money supply.	Students will be to: 1. Identify Money as a commodity and recite its flow in the economy. 2. Differentiate between Barter System and Money exchange. 3. Discuss the primary and secondary functions of money. 4. Project the measurement of money supply.
15	29 July to 3 August 2024	Macro Economics; Unit 2 - Money & Banking 1. Banking - Meaning & Types 2. Money Creation by Commercial Bank 2. Functions of Central Bank	To enable the students to: 1. Describe the meaning and role of commercial banks. 2. Analyze the role of commercial bank in Credit Creation. 3. Estimate the role of Central bank in an economy and its key functions. 4. Appraise the function of Central bank as 'Credit Controller'.	Students will be able to: 1. Identify the types of banks and discuss their functions. 2. Elaborate the function of credit creation by commercial banks. 3. Explain the functions and role of Central Bank. 4. Describe the role of Central Bank as a controller of credit.
16	5 to 10 August 2024	Macro Economics; Unit 4 - Government Budget 1. Meaning & Objectives of Government Budget 2. Components of Government Budget 3. Budget Deficit & Its Types	To enable students to: 1. Relate to the meaning of Government Budget. 2. Illustrate the objectives of Government Budget. 3. Compose the components and types of Government Budget. 4. Analyze the inflows in Revenue Receipts; Tax and Non-Tax. 5. Identify the components of Capital Receipts of Government. 6. Examine the expenses of Government; Revenue and Capital-Planned and Non-Planned; Development & Non Development. 7. Identify & Compare the different types of Deficit; Revenue, Fiscal and Primary and its implications.	Students will be able to: 1. Write the meaning of Government Budget. 2. Explain any 4 objectives of government Budget. 3. Prepare a chart to present the components and Types of Government Budget. 4. State the sources of inflows in Revenue Receipts; Tax and Non-Tax. 5. State the components of Capital Receipts of Government. 6. Outline the expenses of Government; Revenue and Capital, Planned and Non-Planned; Development & Non Development. 7. Define Revenue Deficit, Fiscal Deficit and Primary Deficit and its implications.

17	12 to 17 August 2024	Macro Economics; Unit 5 - Balance of Payment 1. Meaning & Components 2. BOP & BOT; Autonomous & Accommodating items 3. BOP Disequilibrium & its causes	To enable the students to: 1. Explain the meaning of Balance of Payment. 2. Sequence the components of Balance of Payment and identify the types of transactions. 3. Analyze the components of Current Account Transactions and Capital Account transactions. 4. Differentiate between Accommodating and Autonomous Transactions. 5. Express the reason and occurrence of equilibrium and disequilibrium of Balance of Payment.	Students will be able to: 1. Define Balance of Payment. 2. Outline the components of Balance of Payment and types of Transactions. 3. Prepare a chart presenting the components of Current Account Transactions and Capital Account transactions. 4. Distinguish between Accommodating and Autonomous Transactions. 5. State the reason and occurrence of equilibrium and disequilibrium of Balance of payment.
18	19 to 24 August 2024	Macro Economics; Unit 5 - Balance of Payment 1. Foreign Exchange Rate	To enable the students to: 1. Interpret the meaning of Foreign Exchange Rate. 2. Compare the types of determination of foreign Exchange rate system. 3. Analyze the reasons behind the increase or decreased demand and supply of Foreign currency in India. 4. Summarize the working of Managed Floating system. 5. Conclude the meaning and usage of Depreciation, Appreciation, Devaluation and Revaluation of Home Currency. 6. Express the meaning and working of Foreign Exchange Market. 7. Analyze the functions of Foreign Exchange Market.	Students will be able to: 1. State the meaning of Foreign exchange rate and the methods of determination of foreign exchange rate. 2. Compare the meaning and usage of terms like appreciation, depreciation, revaluation and devaluation. 3. Illustrate the working of managed floating by the Central bank on government instructions. 4. Realize the use and purpose of foreign exchange market and its functions that are to be learned.

19	26 to 31 August 2024	IED: Unit 2 - Current Challenges faced by Indian Economy 1. Human Capital Formation	To enable the students to: 1. Differentiate between Physical Capital and Human Capital. 2. Restate the meaning and sources of formation of Human capital formation. 3. Recommend the connection and relation between Human Capital and Economic Growth and Economic Development. 4. Paraphrase the importance of Human Capital in a growing economy. 5. Predict the hindrances in the formation of large number of Human Capital Formation in India.	Students will be able to: 1. Compare Physical Capital and Human Capital. 2. State the meaning and sources of formation of Human capital formation. 3. Differentiate between Human Capital and Economic Growth and Economic Development. 4. List any 4 importance of Human Capital in a growing economy. 5. Discuss the hindrances in the formation of large number of Human Capital Formation in India.
20	2 to 7 September 2024	IED: Unit 2 - Current Challenges faced by Indian Economy 1. Rural Development	To enable the students to: 1. State the meaning and ways of rural development. 2. Analyze the need for the rural development for the overall growth of the economy. 3. Investigate the sources of rural credit and assessing the development in rural areas. 4. Categorize the types of rural credit and give its critical assessment. 5. Evaluate the diversification possibilities of occupation in rural areas. 6. Examine the meaning and reference of sustainable development and means of organic farming. 7. Recall the meaning of Animal Husbandry, Horticulture, Fisheries etc.	Students will be able to: 1. State the meaning and ways of rural development. 2. Discuss the need for the rural development for the overall growth of the economy. 3. Summarize the meaning of rural credit and write a critical appraisal of the development in rural areas. 4. List the types of Rural Credit and write and 3 points of critical assessment. 5. Write short note on diversification possibilities of occupation in rural areas. 6. State the meaning and reference of sustainable development and means of organic farming. 7. Define Animal Husbandry, Horticulture, Fisheries etc.
21	9 to 16 September 2024	Revision		
22	18 to 30 Sep 2024	Term 1 exam		

23	1 to 5 October 2024	IED: Unit 2 - Current Challenges faced by Indian Economy 1. Employment	To enable the students to: 1. Explain the meaning of employment and unemployment. 2. Identify the concepts like labour, workers, labour force, work force, worker population ratio etc. 3. Identify the different sectors of employment. 4. Determine the causes of informalisation and casualization of workforce. 5. Know the different types of unemployment. 6. Understand the causes of unemployment. 7. Identify the measures taken by government to generate employment. 8. Investigate the importance of education in employment generation.	Students will be able to: 1. State the meaning of employment and unemployment 2. Distinguish between concepts like labour & worker, labour force & work force, worker population ration, 3. Classify the different sectors of employment like formal and informal sector. 4. Recommend the causes of informalisation and casualisation of workforce 5. Outline the different types of unemployment 6. Explain any 5 causes of unemployment 7. Propose the measures taken by government to generate employment 8. Forecast the importance of education in employment generation
24	7 to 10 October 2024	Macro Economics: Unit 3 - Determination of Income & Employment 1. Aggregate Demand & Supply - Meaning & Components 2. Consumption Function and Graph 3. Savings Function and Graph	To enable the students to: 1. Explain the meaning and concept of Aggregate Demand and Supply. 2. Classify the components of Aggregate demand. 3. Draw the concept of Consumption Function, Saving Function and their numerical. 4. Analyze the working of Consumption and Saving Function and solve their numerical.	Students will be able to: 1. State the meaning and concept of Aggregate Demand and Supply. 2. Discuss the components of Aggregate demand in open economy. 3. State the meaning of Consumption Function, Saving Function and their numerical. 4. Illustrate the working of Consumption and Saving Function and solve their numerical.
25	11 to 12 October 2024	Dussehra Holiday		

26	14 to 19 October 2024	Macro Economics: Unit 3 - Determination of Income & Employment 1. Calculation of Consumption Function and Savings Function 2. Calculation of MPC, MPS, APC, APS 3. Calculation of Equilibrium level of National Income and Break even level of National Income	To enable the students to: 1. Apply the formula and calculate consumption function and savings function 2. Solve the numerical to calculate MPC, MPS, APC & APS 3. Compute the equilibrium level of National Income and Break Even level of National Income	Students will be able to: 1. Solve the problems of consumption function and savings function 2. Evaluate the values of MPC, MPS, APC & APS 3. Evaluate the equilibrium level of National Income and Break Even level of National Income
27	21 to 28 October 2024	Macro Economics: Unit 3 - Determination of Income & Employment 1. Equilibrium Condition 2. Investment Multiplier & its process	To enable the students to: 1. Express the level of equilibrium level of output. 2. Restate the condition that might lead to equilibrium level. 3. Analyze the link between consumption and investment multiplier. 4. Investigate the working of investment multiplier and its impact on credit creation and income flow.	Students will be able to: 1. State the meaning of equilibrium level of output. 2. Describe the conditions that might lead to equilibrium level. 3. Explain the link between consumption and investment multiplier. 4. Illustrate the working of investment multiplier and its impact on credit creation and income flow.
28	29 October to 2 November 2024	Diwali Holidays		
29	4 to 9 November 2024	Macro Economics: Unit 3 - Determination of Income & Employment 1. Disequilibrium meaning, causes & measures to correct it 2. Equilibrium at full employment, under full employment & over full employment	To enable the students to: 1. Explain the reasons behind the disequilibrium. 2. Extend the causes that lead to excess or deficient demand. 3. Infer the concept of full employment, over full employment and under full employment. 4. Analyze the situation of excess and deficient demand and suggest the measure to correct these situations.	Students will be able to: 1. State any 2 reasons behind the disequilibrium. 2. Elaborate any 2 causes that lead to excess or deficient demand. 3. Define the concept of full employment, over employment and underemployment. 4. Describe the situation of excess and deficient demand and suggest the measure to correct this situation.
30	11 to 16 November 2024	IED: Unit 2 - Current Challenges faced by Indian Economy 1. Sustainable Development	To enable the students to: 1. Summarize the uses and utility of environment. 2. Research the major causes faced by the world	Students will be able to: 1. Define the uses and utility of environment. 2. Explain any 4 major causes faced by the

			today as a reason for environmental degradation. 3. Analyze the situation like Global Warming, Ozone depletion, Air Pollution etc. 4. Illustrate the ways to handle the environment and its safety by humans. 5. Elaborate the concept of sustainable Development at individual level.	world today as a reason for environmental degradation. 3. State the meaning and reasons behind the situations like Global Warming, Ozone depletion, Air Pollution etc. 4. Appraise any 5 measures to handle the environment and its safety by humans. 5. Describe the concept of sustainable Development at individual level.
31	18 to 23 November 2024	IED: Unit 3 - Comparative Study - Indian, China and Pakistan	To enable the students to: 1. Conclude about the connectivity between India's Economy and economy of the neighboring countries. 2. Discuss the history and economic features of China and Pakistan. 3. Examine the economic policies of these 3 countries and give a critical appraisal of these policies. 4. Analyze the comparative data between these three economies on different parameters like; GDP, Demography etc.	Students will be able to: 1. Write a comparative study between India's Economy and economy of the neighboring countries. 2. State and explain the economic features of China and Pakistan. 3. Describe at least 3 economic policies of these countries and give a critical appraisal of these policies. 4. Prepare a tabular presentation of comparative study between these three economies on different parameters like; GDP, Demography etc.
32	25 to 30 November 2024	Revision		
33	2 to 4 December 2024	Revision		
34	5 to 17 December 2024	Pre Board I		
35	18 to 21 December 2024	Revision		
36	23 to 28 December 2024	Revision		
37	2 to 4 January 2025	Revision		
38	6 to 13 January 2025	Pre Board II		

Subject:- History

Book Followed:- NCERT-THEMES IN INDIAN HISTORY- PART- I,II,III

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	PROJECT WORK Part-1- THEMES IN INDIAN HISTORY Theme-1 BRICKS, BEADS AND BONES The Harappan Civilization: Broad overview: Familiarise the students with the aspects of Bronze Age Culture	Enable the students to: ●Familiarize the learner with the aspects of Bronze Age cultures	At the completion of this topic, students will be able to: ●Imbibe the archaeological findings of Harappan civilization with special reference to Mohenjodaro
2	11 to 16 March 2024	BRICKS, BEADS AND BONES The Harappan Civilization: Broad Overview: Social and Cultural and Economic life of Harappans	Enable the students to: ● Discover the unique features of the life of Harappans with special reference to craft, trade, economy, kingship	At the completion of this topic, students will be able to: ● Recognize the exceptional status of Harappa culture
3	18 to 23 March 2024	BRICKS, BEADS AND BONES The Harappan Civilization: Broad Overview: Archaeology at work Decline of the culture	Enable the students to: ● Learn about the renowned archaeologists who discovered the culture, methods of archaeology, significance of findings. Rationalize on the causes of the decline of the culture	At the completion of this topic, students will be able to: ● Revise the concept of occupational debris and stratigraphy.
4		Theme-2 KINGS, FARMERS AND TOWNS: Early States and Economies (c. 600 BCE-600CE) Broad overview: Features of Mahajanapadas and kingship in the Vedic and post Vedic period	Enable the students to: Discover the elements of the period between c. 600 BCE-600 CE	At the completion of this topic, students will be able to: ● Interpret the concept of territorial rule during the period under consideration.

5	25 to 30 March 2024	KINGS, FARMERS AND TOWNS: Early States and Economies (c. 600 BCE-600 CE) Broad Overview: Social and economic systems in the period under consideration	Enable the students to: <ul style="list-style-type: none"> • Relate with the systems which prevailed as established by the Brahmins • Discover the aspects of numismatics 	At the completion of this topic, students will be able to: <ul style="list-style-type: none"> • Appreciate the norms established by the Brahmins in the Vedic Age, and recognize the value of coinage as a source to study history
6	1 to 6 April 2024	KINGS, FARMERS AND TOWNS: Early States and Economies (C. 600 BCE-600 CE) Broad overview: Epigraphy- advantages and limitations	Enable the students to: <ul style="list-style-type: none"> • Familiarize the students with the science of Epigraphy and the value of inscriptions as a source to study history 	At the completion of this topic, students will be able to: <ul style="list-style-type: none"> • Interpret the significance of Epigraphy as a branch of history.
7	8 to 13 April 2024	Theme-3 KINSHIP, CASTE AND CLASS Early Societies (C. 600 BCE-600 CE) Broad Overview: Textual traditions as interpreted by historians	Enable the students to: <ul style="list-style-type: none"> • Understand the role of critical analysis of historical literature and appreciate the findings thereof related to social life 	At the completion of this topic, students will be able to: Realize the value of textual traditions in history
9	15 to 20 April 2024	KINSHIP, CASTE AND CLASS Early Societies (c. 600 BCE - 600 CE) Broad overview: Implications of the Varna system Mahabharata-a dynamic text	Enable the students to: <ul style="list-style-type: none"> • Understand the patterns of social behavior under the impact of the Varna system • Learn about the composition and the dynamic mode of Mahabharata as an epic. 	At the completion of this topic students will be able to: <ul style="list-style-type: none"> • Recognize the social structure that has been established in India since ancient times

10	22 to 30 April 2024	Theme-4 THINKERS, BELIEFS AND BUILDINGS- Cultural Developments (c. 600 BCE - 600 CE) Broad Overview: Expression of oral and written text in architecture and sculpture	Enable the students to: <ul style="list-style-type: none"> ● Interpret religious traditions in the form of buildings and statues with focus on Buddhism and Jainism 	At the completion of this topic, students will be able to: <ul style="list-style-type: none"> ● Deduce the message of Buddhism and Jainism
11	15 to 22 June 2024	THINKERS, BELIEFS AND BUILDINGS – Cultural Developments (c. 600 BCE – 600 CE) Broad Overview: Expression of oral and written text in architecture and sculpture	Enable the students to: <ul style="list-style-type: none"> ● Obtain a glimpse of Sanchi, Sanchi stupa, facets of Buddhist philosophy 	At the completion of this topic, students will be able to: <ul style="list-style-type: none"> ● Recognize the context in which Buddhist buildings and statues were made
12	24 June to 29 June 2024	THINKERS, BELIEFS AND BUILDINGS – Cultural Developments (c. 600 BCE – 600 CE) Broad Overview: Growth of Puranic Hinduism	Enable the students to: Understand the interpretations of Puranic Hinduism in the form of statues and symbols	At the completion of this topic, students will be able to: <ul style="list-style-type: none"> ● Appreciate the sculptural traditions of ancient India
13	1 to 6 July 2024	PART-II Theme-5 THROUGH THE EYES OF TRAVELLERS- Perceptions of Society (c. Tenth to Seventeenth century) Broad overview: Accounts of travel written by travelers	Enable the students to: <ul style="list-style-type: none"> ● Familiarize the students with Al-Biruni and Ibn Battuta and their observations about medieval India 	At the completion of this unit students will be able to: <ul style="list-style-type: none"> ● Analyze the concept and significance of a travelogue and obtain a view of medieval Indian culture
14	8 to 11 July 2024	REVISION		
	12 to 22 July 2024		PA - I	

15	23 to 27 July 2024	<p>THROUGH THE EYES OF TRAVELLERS - Perceptions of the Society (c. Tenth to Seventeenth centuries)</p> <p>Broad Over View: Accounts of Francois Bernier and other European travelers and their observations</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Record the findings of various travelers and understand the socio-cultural patterns of medieval India 	<p>At the completion of this topic, students will be able to:</p> <ul style="list-style-type: none"> Establish a familiarity with the cultural traditions of medieval India
16	29 July to 3 August 2024	<p>Theme-6 BHAKTI AND SUFI TRADITIONS Changes in Religious Beliefs and Devotional Texts (C. Eighth to Eighteenth centuries)</p> <p>Broad Overview: Dynamism and diversity in religious ideologies</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Understand the diversity in religious thought in medieval India and the application of the same along with the growth of Bhakti movement 	<p>At the completion of this topic, students will be able to:</p> <ul style="list-style-type: none"> Realize that diverse religious beliefs were entertained in medieval India
17	5 August to 10 August 2024	<p>BHAKTI AND SUFI TRADITIONS Changes in Religious Beliefs and Devotional Texts (c. Eighth to Eighteenth centuries)</p> <p>Broad overview: Growth of Bhakti and Sufi movement</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> Understand the philosophy of Bhakti and Sufi saints 	<p>At the completion of this topic, students will be able to:</p> <ul style="list-style-type: none"> Familiarize with the elements of Bhakti and Sufi philosophy
18	12 August to 17 August 2024	<p>BHAKTI AND SUFI TRADITIONS Changes in Religious Beliefs and Devotional Texts (c. Eighth to Eighteenth centuries)</p> <p>Broad Overview: Sufism New Devotional paths in North India</p>	<p>Enable the students to: Interpret the expansion of Sufism</p> <p>Learn about the Bhakti saints</p>	<p>At the completion of this topic, students will be able to:</p> <ul style="list-style-type: none"> Appreciate the practices and messages that evolved out of the Sufi practices and through the preaching of the Bhakti saints

19	19 to 24 August 2024	<p>BHAKTIAND SUFI TRADITIONS</p> <p>Changes in Religious Beliefs and Devotional Texts (c. Eighth to Eighteenth centuries)</p> <p>Broad overview: New Devotional paths established by Guru Nanak and Mira Bai</p>	<p>Enable the students to:</p> <ul style="list-style-type: none"> • Understand the philosophy of Guru Nanak and Mira Bai and the legacy left behind by these saints 	<p>At the completion of this topic, students will be able to:</p> <ul style="list-style-type: none"> • Retain the values inculcated by the Bhakti saints
20	26 to 31 August 2024	<p>Theme-7 AN IMPERIAL CAPITAL VIJAYNAGARA (c. Fourteenth to Sixteenth centuries)</p> <p>Broad Overview: Discovery and marvels of Vijaynagara</p>	<p>Enable the students to: Learn about the magnificence of a medieval empire and the application of archaeological skills</p>	<p>At the completion of this topic, students will be able to: Appreciate the beauty and splendor of the empire as a part of Indian cultural tradition</p>
21	2 to 7 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
22	9 to 16 Sept 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
23	18 to 30 Sept 2024	TERM 1	TERM 1	TERM 1
24	1 to 10 Oct.. 2024	<p>Theme-8 PEASENTS, ZAMINDAR AND THE STATE Agrarian Society and the Mughal Empire (c.Sixteenth-Seventeenth centuries)</p> <p>Broad overview: Village life in medieval India under the Mughals</p>	<p>Enable the students to: Develop an understanding of the agrarian society of medieval India</p>	<p>At the completion of this topic students will be able to: Interpret the foundations laid for the development of villages in India after Independence.</p>
	11 and 12 Oct. 2024	DUSSHERRA BREAK		

25	14 to 19 Oct. 2024	<p>Theme-10 COLONIALISM AND THE COUNTRYSIDE</p> <p>Broad Overview: Exploring of Official Archives prepared during the British rule Zamindari in Bengal</p>	<p>Enable the students to: Understand what colonial rule meant to people living in the countryside</p>	<p>At the completion of this topic students will be able to: Realize the implications of the British rule that brought about the struggle for independence</p>
26	21 to 28 Oct 2024	<p>Theme-11 REBELS IN THE RAJ</p> <p>Broad overview: The Revolt of 1857 and its Representations</p>	<p>Enable the students to: Learn about the aspects of the first war of Indian independence</p>	<p>At the completion of this topic students will be able to: Appreciate the courage and valour of the rebels and cherish the value of unity</p>
	29 Oct. 2 Nov. 2024	DIWALI BREAK		
27	4 to 9 Nov. 2024	<p>Theme-13 MAHATMA GANDHI AND THE NATIONALIST MOVEMENT: Civil Disobedience and Beyond</p> <p>Broad Overview: Contribution of an individual in the making of the national movement</p>	<p>Enable the students to: Recall the methods adopted by Gandhi ji in generating a mass struggle</p>	<p>At the completion of this topic students will be able to: Recall the sacrifice and perseverance showcased by Gandhi ji in liberation of India</p>
28	11 to 16 Nov. 2024	<p>MAHATMA GANDHI AND THE NATIONALIST MOVEMENT: Civil Disobedience and Beyond</p> <p>Broad overview: Knowing Gandhi ji through various sources</p> <p>Theme-15 FRAMING THE CONSTITUTION Beginning of a New Era</p> <p>Broad Overview: Recognizing the prominent leaders who framed the Constitution in challenging times</p>	<p>Enable the students to: Discover the sources that provide information about the Father of the Nation</p> <p>Enable the students to: Understand the developments related to partition of India and the political conditions that prevailed in the country</p>	<p>At the completion of this topic students will be able to: Develop an insight into textual and visual sources as storehouses of historical evidence and their significance</p> <p>At the completion of the topic students will be able to: Read the journey of the foundations of making the Constitution</p>

29	18 Nov. to 23 Nov 2024	FRAMING THE CONSTITUTION: The Beginning of a New Era Excerpts: from the debates Discussion: What such debates reveal and how they can be analyzed.	Enable the students to: Analyze the opinions which shaped the content of the Constitution	At the completion of this unit students will be able to: Acknowledge the significance of the Constitution
30	25 to 30 Nov 2024	REVISION	REVISION	REVISION
31	2 to 4 Dec. 2024	REVISION	REVISION	REVISION
32	5 Dec. to 17 Dec 2024	PRE-BOARD - I	Pre- Board- I	Pre- Board- I
33	18 to 21 Dec. 2024	REVISION	REVISION	REVISION
34	23 to 28 Dec 2024	PRE-BOARD - I	PRE-BOARD 1	PRE-BOARD 1
35	2 to 4 Jan 2025	REVISION	REVISION	REVISION
36	6 to 13 Jan 2025	REVISION	REVISION	REVISION
37	16 to 27Jan 2025	PRE-BOARD - II	PRE-BOARD -II	PRE-BOARD -II

SUBJECT - GEOGRAPHY				
BOOKS FOLLOWED:1.Fundamentals of Human Geography, 2.India : People and Economy, 3. Practical Work in Geography Part II				
S.no	Week/ Month	Chapter to be Taught	LEARNING OBJECTIVES	LEARNING OUTCOMES
1	28 th Feb – 29 th Feb	General introduction of the subject		
			Enable the students to:	Students will be able to:.
2	1 st March – 9 th March,2024	Book I Chapter 1 – Human Geography ; Nature and Scope.	1.Assess the importance of Human Geography as component of Geography as an independent subject. 2 Understand the processes of development of human beings in a spatial environment.	1.Understand the concept of how naturalisation of humans is transformed into humanisation of nature through the development of technology and skill.2 They will also go through timeline in history to know the step by step of human progress across the world in different physiographic, climatic and resource regions.
3	11 th March – 16 th March,2024	Ch 2. The World Population: Distribution, Density and Growth.	1. List the world's population, 2 summarize key influence on population growth, 3 Describe potential threats to the world's population.	1. Analyze trends and patterns of population distribution. 2. Assess the factors responsible for distribution. 3. Know the components of growth 4. Understand the process of demographic transition.
4	18 th March – 23 rd March, 2024	Ch 4 Human Development	1.Analise ways to measure human development. 2. assess the measurements of HDI and HPI, 3. Analise as a case study Gross National Happiness to judge the level of development in Bhutan.	1.Critically evaluate difference between Development and Growth, 2. Assess the functioning of the four approaches to development. 3. Apply professional ethics and create awareness about the four distinguished pillars of development.
5	25 th March – 30 th March, 2024	Ch 5 Primary Activities	1. Underline the fact that human activities are subject to adaptation and change2. They will get an introduction to the main regions of the world and the associated activities, 3 Students will understand regional development and how economic opportunities are utilised, and expanded..	1.Acquire geographic analytical skill to assess spatial information, 2. will get cartographic information that will develop their map reading skills.. 3. They will develop skills to create maps on their own.
6	1 st – 6 th April, 2024	Ch 6 Secondary Activities.	1. value the transformation of raw materials to finished goods. 2. To understand factors affecting the location of	1. Assess the location of industries besides classification based on different aspects, 2 Analise the importance of industries as an important component of human development to the present stage.
7	8 th - 13 th April, 2024	Ch 7 Tertiary and Quaternary Activities	1.Gather information about specialised activities and services provided under tertiary and quaternary activities..	1.Understand the difference between different type of services, 2. acknowledge the accessibility of transport and communication for the establishment of different types of services. 3 Analise the case

				study of Tourism with special emphasis on Medical Tourism
8	15 th – 20 th April, 2024	Ch 8 Transport and Communication	1. Acquire knowledge about various modes of Transport and Communication, 2. Identify major Trans Continental Rai routes and pipelines, airways etc.	1. Identify major Trans Continental railways along with their characteristic features, 2. Locate major Airports on the map of the world.
9	22 nd – 30 th April, 2024	Ch 9 International Trade	1. Define International Trade, 2. Describe how it impacts various countries, 3 Discuss open trade – its benefits and drawbacks	1 Examine the role and importance of Seaports as gateways that promote trade.2. Learn map marking for the major Seaports of the world.
10	1st May to 12th June	SUMMER VACATION		
11	13 th – 22 nd June, 2024	Practical 1 Data ; Sources and Compilation	1. Know the different sources of data, 2. Identify various methods of compilation	1. Assess the importance of the different sources and compilation of the same, 2. Complete practical File work for the same.
12	24 th – 29 th June, 2024	. BOOK II Ch. 1 Population : Distribution, Density, Growth and Composition.	1. Develop concern for the rapid increase in the population and its impact on the development of the country. 2. Know the density of population of each state of India and its reasons, 3. Critically analyse the components of growth and composition of the population.	.1. Analyse the pattern of distribution of population along with the factors influencing it. 2. Know the Growth of population in different stages along with features of different phases. 3. Understand the components of population composition - Rural - Urban, Linguistic, Religious, working population.
13	1 st – 6 th July, 2024	Ch 4 Human Settlements	1. Observe the basic difference between Rural and Urban Settlements, 2. Examine the different types of rural settlements, 3. Learn about the Evolution of Urban Settlements along with major classification..	1, Assess the vulnerability of rural Settlements, 2 Understand the evolution and classification of Urban Settlements.
14	8th – 11th July	REVISION FOR PA I		
15	12th – 22nd July	PA I 2024 - 2025		
16	23 rd – 27 th July, 2024	Ch .5 Land Resources and Agriculture :a) Land use categories, b) Land use changes in India, c) Agricultural Land use in India d) Problems of Indian Agriculture.	1. Assimilate knowledge of the different categories the land is put to use, 2. Post independence changes in the land use pattern 3. Assess the problems associated with agriculture in India.	1. examine the Land use categories and the highlight agricultural land use in India, 2 Discuss and suggest ways and means of solving problems associated with agriculture in India.
17	29 th July – 3 rd Aug, 2024	Ch 5 Land resources and Agriculture (continued)- a) Cropping Seasons in India, b) Types of Farming, c) Various crops grown in India - The areas and other geographical requirement for their growth	1. Acquire knowledge of main cropping seasons of India, 2. Type of farming done for their cultivation , 3. Climatic requirement for their growth.	1. Observe cultivation of crops around them, 2 Changes taking place for each crop over the years, 3. Improvements made..
18	5 th – 10 th Aug,	Ch 6 Water Resources : Water	1 Note the various sources of water, 2 Assess	1. Ensure judicious use of water, 2 estimate the

	2024	Resources of India, Water Demand and Utilization, Emerging water Problems,	the availability and demand of water and create a balance between demand and supply, 3. Bifurcate the demand of water for irrigation and other consumption, 4. Be able to ponder upon emerging water problems.	waste of water at various points
19	12 th – 17 th Aug, 2024	Ch 6 Water Resources (Continued) Deteriorating water quality, Water conservation and management - Prevention of water pollution, Recycle and Reuse of water Watershed Management and Rain water harvesting	1. Understand the know the various ways of conserving water, 2. Device ways of conserving and minimising water pollution. 3. Understand and adopt various methods of rainwater harvesting	1. Identify the importance of water conservation and readily adopt various methods, 2. Study in detail through case study of Ralegan Siddhi.
20	19 th – 24 th Aug, 2024	Practical 2 Data Processing Measures of Central Tendency	1. Represent data through Mean, Median and Mode. 2. Complete the File work for the same.	1. Learn calculation of data through different ways.
21	26 th – 31 st Aug, 2024	Practical 3 Graphical Representation of Data	1. Learn general rules for drawing Diagrams.	1. Assimilate knowledge of drawing- Line and Bar diagram, Multiple Bar diagram, Compound bar diagram. 2. Construct the same in the practical file
22	1 st – 7 th Sept, 2024	Practical 3 Graphical Representation of Data. (Cont.)	2 Know the construction of Thematic maps and Pie Diagram.	1. Assimilate knowledge of drawing- Pie Diagram, Dot Chloropleth and isopleth maps. 2. Construct the same in the practical file.
23	9th – 17th Sept	REVISION FOR TERM I		
24	18th – 30th Sept	TERM I 2024 - 25		
25	1 st – 10 th Oct.			
26	11th - 12th Oct	DUSSEHRA BREAK		
27	14 th – 19 th Oct, 2024	Ch 7 Mineral And Energy Resources - Types of Minerals, Distribution of Minerals,, Different Regions of Minerals, Conservation of Minerals	1. Enlighten themselves with the rich and variety of minerals found in India, 2. Identify the different regions where minerals are concentrated in India, 3. Why is conservation of minerals important.	1. Device ways and means of conservation of minerals. 2. Assess the important regions of mineral concentration
28	21 st - 28 th Oct, 2024	Ch 7 Mineral and Energy Resources (Continued) Ferrous, Non Ferrous, Non Metallic minerals, Energy Resources, Non Conventional Sources of Energy	1. Assimilate knowledge of features of minerals found in India . 2 Understand the need and importance of conservation of minerals.	1. Understand the importance of minerals and their conservation
29	29th Oct – 2nd Nov	DIWALI BREAK		
30	4 th – 9 th Nov, 2024	Ch 9 Planning and Sustainable Development In Indian Context. Target Area Planning, Hill Area Development Program, Drought Prone Area Program Case Study - Integrated Tribal Development Project in Bharmaur Region, Indira Gandhi Canal Command Area.	Enable the students to 1. The importance of systematic planning, 2. Understand the working of the Niti Ayog, 3 Get a detailed insight on development in different sectors.	Students will be able to 1. familiarise themselves with planning at different levels. 2 Know how planning is done for different areas. 3. Categorise difference in development through different aspects of planning in separate areas.

31	11 th – 16 th Nov, 2024	Ch 10 Transport and Communication	Enable students to 1. Note and assess the progress made in Railways, Roadways and Airways. 2. Know the advantages and disadvantages of each mode. 3 Examine the Communication networks.	Students will be able to 1. Highlight major achievements, understand the importance of the Golden Quadrilateral. East West and North South Corridors, Konkan Railways, Railways connecting the Kashmir Valley with the rest of the country through Railways, Personal Communication System and Mass Communication System.
32	18 th – 23 rd Nov, 2024	Ch 11 International Trade	Enable students to 1. Compare the changing Pattern and Composition of India's Import and Export. 2. Assess how seaports have played a major role to enhance International Trade	Students will be able to understand Direction and Balance of Trade. Mark the location of major seaports of India on the map.
33	25 th – 30 th Nov, 2024	Ch 12 Geographical Perspective On Selected Issues And Problems - Water, Air and Noise Pollution, Problem of Urban Waste Disposal, Slums, Case studies - Daurala, Rural Urban Migration, Dharavi and Jhabua	Enable the students to 1. Spread awareness regarding the ill effects of different types of pollution, 2. Familiarize students with the ways of minimising pollution of all types, 3. collect first hand information about pollution through the case studies, 4. To develop a concern about disadvantages of increasing pollution.	Students will be able to 1. Plan measurements and monitor each type of pollution, 2. Understand concepts and procedures of minimizing pollution, 3. Develop measures for controlling pollution based on their examining the case studies, They will adopt a series of methods to bring down the level of pollution considerably.
34	2nd – 4th Dec	REVISION PRE – BOARD I		
35	5th – 17th Dec	PRE – BOARD I		
36	18 th – 22 th Dec, 2024	Practical 4. Use of Computers in Data Processing and Mapping Practical 5. Spatial Information Technology	1 Have an Insight on the use of computers for data mapping, 2. To understand practical value of the work done by computers. 1 Familiarize themselves with the GIS and how it works, 2. Know its different formats and their use.	1. Know the Hardware and software components of a computer, 2. The detailed use of software for different aspects and their practical importance. 1. Compare the advantages and disadvantages of the Raster and Vector methods, 2. Sequence of GIS activities, 3. Components of GIS and its advantage over manual methods.
37	23 to 28 Dec 2024	PRE-BOARD 1	PRE-BOARD 1	PRE-BOARD 1
38	2 to 4 Jan 2025	REVISION	REVISION	REVISION
39	6 to 13 Jan 2025	REVISION	REVISION	REVISION
40	16 to 27 Jan 2025	PRE-BOARD -II	PRE-BOARD -II	PRE-BOARD -II

Subject:- APPLIED MATHEMATICS

Book Followed:- M.L AGRAWAL

S.No.	Month/Week	Lesson Taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Ch 1 – NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS	To enable the students to: 1. Define modulus of an integer 2. Apply arithmetic operations using modular arithmetic rules to solve the problems. 3. Define congruence modulo 4. Apply the definition in various problems	students will be able to 1. Define modulus of an integer 2. Apply arithmetic operations using modular arithmetic rules 3. Define congruence modulo 4. Apply the definition in various problems
2	11 to 16 March 2024	Ch.1- Alligation and mixture - Boats and streams	To enable the students to: know the Meaning and Application of rule of alligation know mean price of a mixture Distinguish between upstream and downstream	Students will be able to: Understand the rule of alligation to produce a mixture at a given price. Determine the mean price of a mixture Will be able to express the problem in the form of an equation
3	18 to 23 March 2024	Ch.2- Pipes and cisterns - Races and games - Numerical inequalities	To enable the students to: Calculate the portion of the tank filled or drained by the pipes in unit time Calculate the time taken / distance covered/ speed of each player Compare two statements/ situations Application of the techniques of numerical solution of algebraic inequations	Students will be able to: Determine the time taken by 2 or more pipes to fill or empty the tank Compare the performance of two players w.r.t. time, distance Describe the basic concepts of numerical inequalities Underst and write numerical inequalities
4	25 to 30 March 2024	Ch.3-Matrices	To enable students to 1. Introduction and concepts of matrices with different definitions 2. Addition, subtraction and multiplication of two matrices 3. Multiplication of a matrix with scalar 4. Transpose of matrix	Students will be able to 1. define different types of matrices 2. Addition, subtraction and multiplication of matrices 3. They should know how to take transpose of matrices 4. Able to write matrix as a sum of symmetric and skew symmetric matrices

5	1 to 6 April 2024	Ch 4 –Determinants Adjoint and inverse of matrices	To enable students to know about 1. determinants of a square matrix 2. Properties of determinants 3. minors and cofactors of determinants 4. Application of determinant using determinant . to find the adjoint of matrix 5. Using adjoint find inverse of matrix	Students will be able to 1. find value of dterminant 2. solving determinant using properties 3. finding factors and cofactors 4. finding area of triangle 5.Find the cofactors and adjoint of matrix 6. Finding inverse using adjoint of matrix
6	8 to 13 April 2024	Ch 4- Solution of linear equation	To enable students: 1.know about the consistancy and inconsistency of the equation 2.Number of solution of given equations 3. Method to solve linear equations of two or three variables using inverse of matrix	Students will be able to 1.Solve linear equation of two or three variables using matrices.
7	15 to 20 April 2024	Ch 4- Differentiation	To enable students to find out 1. Differentiation of composite function and chain rule 2. Derivative of inverse trigonometric function 3, Derivative of implicit function 4. Derivative of logarithmic and exponential function	Students will be able to find derivative of implicit, logarithmic, inverse function using chain rule to find out derivative of composite function
8	22 to 30 April 2024	Ch 4- Higher order derivative Application of derivatives	To enable students to know how to find out second derivative of all types of functions Rules to find out second order derivative of function To find the rate of change of quantities such as area and volume with respect to time or its dimension Slope of tangent and normal to the curve Equation of the tangents and normal to the curve	students will be able to solve the questions based on second and higher order derivative of functions Sums based on the higher order derivatives The equation of the tangent and normal to the curve
9		Revision of PA		
10	15 to 22 June 2024	Marginal Cost and Marginal Revenue using derivative	To enable students to identify examples related to margina cost, marginal revenue.	Students will be able to define marginal cost and marginal value Find marginal cost and marginal revenue

11	24 to 29 June 2024	Increasing / Decreasing Functions	To enable students to solve simple problems related to increasing and decreasing behaviour of a function in the given interval	Students will be able to determine whether a function is increasing or decreasing Determine the conditions for a function to be increasing or decreasing
12	1 to 6 July 2024	Maxima and Minima	To enable the students to analyse the Concept of maximum and minimum value of given function, if they possess. Methods to find out the values and the behaviour of the given function or curve will be discussed and explained	Students will be able to identify the ways to find out the maxima and minima of different curve, some case study questions will be solved and simplified using steps of derivatives.
13	8 to 11 July 2024	REVISION		
14	12 to 22 July 2024	PA I		
15	23 to 27 July 2024	Ch 6- Integration	To enable the students to know the concepts and formulas of simple algebraic, logarithmic and exponential functions	Students learned about : 1) integration 2) Different methods of integration By different approaches they learn 3) Manipulation 4) Logical thinking
16	29 to 3 August 2024	Ch 6- Integration	To enable the students to know the concepts and formulas of simple algebraic, logarithmic and exponential functions using substitution method	Students will be able to analyze the questions where substitution is required and solutions can be attained
17	5 to 10 August 2024	Ch 6- Integration and application of integration	To enable the students to find out the integral of the product of two functions using ILATE rule to find the Area of bounded curve	students will be able to use the concept of ILATE and using rule they will be able to solve the sums of integration to find the Area of bounded curve 2) Critically think and visualize the shapes 3) Accurately calculate area
18	12 to 17 August 2024	Differential Equations Application of differential equations	To enable the students to find definition, order, degree and examples Formation of differential equation by arbitrary constants Apply the differential equations to solve Growth and Decay Models	Students will be able to recognize a differential equation Find the order and degree of a differential equation solution of simple differential equation

19	19 to 24 August 2024	Probability Distributions	To enable the students to: Definition and example of discrete and continuous random variable and their distribution Questions based on variance and standard deviation	Students will be able to: Understand the concept of random variables and its probability distribution
20	26 to 31 August 2024	Variance, Binomial distribution poisson distribution	To enable the students to: questions based on variance and standard deviation characteristic of binomial distribution	Students will be able to: Identify the bernoullin trial and apply Binomial distribution
21	2 to 7 Sept. 2024	REVISION		
22	9 to 16 Sept 2024	Revision		
23	18 to 30 Sept. 2024	Term 1/Test II exam		
24	1 to 10 Oct. 2024	Normal distribution	To enable the students to: cheracteristics of a normal probability distribution total area under the curve	Students will be able to: understand normal distribution as a continuous distribution
	11 and 12 OCT 2024	DUSSEHRA HOLIDAYS		
25	14 to 19 Oct. 2024	Inferential Statistics	To enable the students to: know the concept of Unit test time reversal test	Students will be able to: Apply unit test and time reversal test
26	21 to 28 Oct.2024	Inferential Statistics	To enable the students to know: Secular trend Seasonal variation Cyclical variation Irregular variation	Students will be able to: distinguish between different components of time series
	29 OCT TO 2 NOV 2024	DIWALI HOLIDAYS		
27	4 to 9 Nov. 2024	Index number and time based data	Students will be able to:fitting a straight line trend and estimating the value	Students will be able to:solve practical problems based on statistical data and interpret the result

28	11 to 16 Nov.2024	Index number and time based data	To enable the students to: Know the tendency of the variable to increase or decrease over a long period of time	Students will be able to: Understand the long term tendency demonstrate the techniques of finding trend by different methods
29	18 to 23 Nov. 2024	Financial Mathematics	To enable the students to: Meaning and use of Compound Annual Growth rate Formula for compound Annual growth rate Meaning of Perpetuity and sinking funds	Students will be able to: Understand the concept of compound Annual growth rate Difference between Compound Annual growth rate and annual growth rate calculate perpetuity
30	25 to 30 Nov. 2024	Linear programming	To enable the students to understand: 1)Objective function &Constraints 2)Non-negative constraints 3)Basic variables & Basic solution 4)Feasible solution -Optimal solution 5)Iso-profit line 6)Convex set 7)Corner point method 8)Bounded region, Un Bounded region 9)Iso-profit or Iso-cost method	Students learned about 1) Objective function &Constraints 2) Feasible solution –Optimal solution 3)Iso-profit line 4) Corner point method for Bounded region and Un Bounded region 5) Differentiate constraint from problem. 6)optimization problems 7) Systematic behavior & Efficiency
31	2 TO 4 DEC 2024	REVISION		
32	5 TO 17 Dec 2024	REVISION		
33	18 to 21 Dec 2024	REVISION		
34	23 TO 28 DEC 2024	REVISION		
35	2 TO 4 JAN 2025	REVISION		
36	6 to13 Jan 2025	REVISION		
37	16 to 27 Jan 2025	PREBOARD I /PREBOARD II		

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 9 March 2024	Unit I: Computational Thinking and Programming – 2 Ch 1 – Python Revision Tour 1. Introduction 2. Tokens 3. Types of Token (Identifiers, Keywords, Literals, Punctuators, Operators) 4. Barebones of a Python Program. 5. Variables and Assignments (Dynamic Typing and Multiple Assignments) 6. Simple Input and Output	To enable the students to - 1. Recall the Introduction of Python 2. Discuss the Tokens and Types of Token 4. Recall the Barebones of a Python Program. 5. Demonstrate the Variables and Assignments 6. Interpret the simple Input and Output Functions.	Students will be able to recall the programming skills of Python Basics.
2	11 to 16 March 2024	Unit I: Computational Thinking and Programming – 2 Ch 1 – Python Revision Tour + Practicals 7. Data Types 8. Mutable and Immutable Data Types 9. Expressions (with examples) 10. Type Casting 11. Math Library Functions 12. Statement Flow Control 13. The If Conditionals (if, if.. else, if..elif) 14. Loops : While Loop and For Loop 15. Jump Statements : Break and Continue 16. Nested Loops	To enable the students to - 1. Explain different data types. 2. Recall Type Casting. 3. Describe Math Library Functions. 4. Examine the Iteration/Looping Statement. 5. Analyse the Jump Statements. 6. discuss the utility of Loop Else Statements.	Students will be able to recall the programming skills of Python Basics.

3	18 to 23 March 2024	<p>Unit I: Computational Thinking and Programming – 2 Ch 2 - Python Revision Tour II</p> <p>1. Introduction : Strings in Python</p> <ol style="list-style-type: none"> Two way indexing String Operators : Concatenation, Replication and Membership. String Operators : Comparison Operator Functions, types. examples :ord(), chr() String Slices String Functions : capitalize(), isalpha(), isalphanum(), isnum(). 	<p>To enable the students to –</p> <ol style="list-style-type: none"> Explain the concept of String. Discuss the Traversing a String. Understand the working of String Operators. Demonstrate the different String Functions. 	<p>Students will able to acquire the fundamentals of String.</p>
4	25 to 30 March 2024	<p>Unit I: Computational Thinking and Programming – 2 Ch 2 - Python Revision Tour II</p> <p>2. Introduction: Lists in Python</p> <ol style="list-style-type: none"> Creating Lists Lists vs. Strings List Operations List Manipulation Making True copy of a List List Functions <p>3. Introduction: Tuples in Python</p> <ol style="list-style-type: none"> Creating Tuples Tuples vs. Lists Tuples Operations Tuples Functions <p>4. Introduction: Dictionaries in Python</p> <ol style="list-style-type: none"> Creating a Dictionary Accessing elements of a Dictionary Characteristics of a Dictionary Dictionary Operations Dictionary Functions and Methods <p>5. Sorting Techniques</p> <ol style="list-style-type: none"> Bubble Sort Insertion Sort 	<p>To enable the students to -</p> <ol style="list-style-type: none"> Create and access the List. Discuss different functions and operations of List. Create and access the Tuple. Discuss different functions and operations of Tuple. Create and access the Dictionary. Discuss different functions and operations of Dictionary. 	<p>Students will able to get the notion of data types- List, Tuple and Dictionary.</p>

5	01 April to 06 April 2024	<p>Unit I: Computational Thinking and Programming – 2</p> <p>Ch 3 – Working with Functions</p> <ol style="list-style-type: none"> 1. Introduction : Functions in Python 2. Understanding Functions: <ol style="list-style-type: none"> a. Calling/Invoking/Using a Function b. Python Function Types: <ol style="list-style-type: none"> i. Built-in Functions ii. Functions Defined in Modules iii. User defined Functions 3. Defining Functions in Python <ol style="list-style-type: none"> a. Structure of a Python Program 4. Flow of Execution in a Function Call <ol style="list-style-type: none"> a. Arguments and Parameters 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Explain Functions in Python 2. Compare Python Function Types. 3. Define Functions in Python 4. Discuss Flow of Execution in a Function Call. 5. Compare Arguments and Parameters 	<p>Students will able to understand the concept of functions and its importance.</p>
6	08 to 13 April 2024	<p>Unit I: Computational Thinking and Programming – 2</p> <p>Ch 3 – Working with Functions</p> <ol style="list-style-type: none"> 5. Passing Parameters <ol style="list-style-type: none"> a. Positional Arguments/ Required Arguments b. Default Arguments c. Keyword Arguments/ Named Arguments d. Using Multiple Argument Types Together 6. Returning Values from Functions <ol style="list-style-type: none"> a. Functions returning some value(Non-Void functions) b. Functions not returning any value (Void functions) 7. Returning Multiple Values 8. Composition 9. Scope of Variables 10. Resolving scope of a name 11. Mutable and Immutable properties of passed data objects 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Discuss different Passing Parameters 2. Demonstrate Returning Values from Functions 3. Explain Returning Multiple Values 4. Explain Composition and Scope of Variables 5. Define Resolving scope of a name 6. Discuss Mutable and Immutable properties of passed data objects 	<p>Students will able to acquire the different ways to use functions.</p>

7	15 to 20 April 2024	Unit III: Database Management Ch 11 – Relational Databases 1. Introduction : Relational Databases 2. Purpose of DBMS 3. Relational Database Model : Components of a Table 4. Examples of Common Relational Database Management Systems 5. Common Database Management Tools for Mobile Devices 6. Relational Model Terminology: Domain, Tuples, Attributes, Degree, Cardinality 7. The concept of Views 8. Structure of Relational Databases: a. Keys : Primary Key, Candidate Key, Alternate Key, Foreign Key, Referential Integrity. 9. Brief History of MYSQL 10. MYSQL Database System : Server, Client 11. Some of the Key Features of MYSQL 12. Starting MYSQL	To enable the students to – 1. Explain the Introduction of Relational Databases 2. Discuss the Purpose of DBMS 3. Demonstrate the Components of a Table 4. Define the Relational Model Terminology 5. Demonstrate the different types of Keys. 6. Discuss brief History of MYSQL 7. MYSQL Database System and how to start MySQL.	Students will able to familiarise with Relational Databases Model and Purpose of DBMS
8	22 to 30 April 2024	Unit III: Database Management Ch 11 – Relational Databases 13. MYSQL and SQL a. Processing Capabilities of SQL b. Data Definition Language 14. Classification of SQL Statements : a. Data Definition Language(DDL) b. Data Manipulation Language(DML) c. Transaction Control Language(TCL)	To enable the students to - 1. Compare MYSQL and SQL 2. Discuss the Classification of SQL Statements :	Students will able to acquire the concept of DBMS and MySQL
9	15 to 22 June 2024	Unit III: Database Management Ch 12 - Simple Queries in SQL 1. Introduction : Simple Queries in SQL 2. Some MYSQL SQL Elements: Literals, Data Types, Nulls, Comments. a. Literals(Numeric and Character) b. Data Types (Numeric, Date and Time, String/Text) 3. Difference between Char and Varchar Datatypes 4. SQL Command Syntax 5. Sample Database 6. Making Simple Queries : Accessing Database	To enable the students to – 1. Demonstrate Simple Queries in SQL 2. Discuss some MYSQL SQL Elements 3. Discuss the difference between Char and Varchar Datatypes 4. Explain SQL Command Syntax	Students will able to learn the basics of SQL Queries along with its elements.

10	24 to 29 June 2024	<p>Unit III: Database Management Ch 12 - Simple Queries in SQL</p> <p>8. Making Simple Queries :</p> <ol style="list-style-type: none"> The SELECT Command Selecting all Columns Reordering Columns in Query Results Eliminating Redundant Data(with Keyword DISTINCT) Selecting from all the Rows(ALL Keyword) Viewing Structure of Table <p>9. Making Simple Queries:</p> <ol style="list-style-type: none"> How to Perform Simple Calculations? Scalar Expressions with Selected Fields Using Column Aliases <p>d .Handling Nulls</p> <ol style="list-style-type: none"> Putting Text in the Query Output Selecting Specific Rows(WHERE Clause) Relational Operators Logical Operators <p>i. Condition Based on a Range</p> <ol style="list-style-type: none"> Condition Based on List Condition Based on a Pattern Matches Searching for NULL Operator Precedence Sorting Results(ORDER BY Clause) 	To enable the students to explain the formation of Simple SQL Queries.	Students will able to learn the basic SQL Commands.
11	01 to 06 July 2024	<p>Unit III: Database Management Ch 12 - Simple Queries in SQL</p>	Practicals	Students will do the Practical on given MySQL Queries.
12	8 to 11 July 2024	Revision for PA1	Revision for PA1	Revision for PA1
13	PA 1 12/07-- 22/07			

14	23 to 27 July 2024	<p>Unit I: Computational Thinking and Programming – 2</p> <p>Ch 9 - Data Structures II (Stacks Using Lists)</p> <ol style="list-style-type: none"> 1. Introduction : Stack 2. Stack Operations : push and pop 3. Terms of Stack : Peek, Overflow, Underflow 4. Implementing Stack Operations in Python : <ol style="list-style-type: none"> a. push, b. pop, c. peek, d. display, e. exit 5. Stack Applications : <ol style="list-style-type: none"> a. Reversing a Line b. Polish Strings 6. Conversion of Infix Expression to Postfix(Suffix) Expression 7. Algorithm to Convert Infix Expression to Postfix Conversion 8. Evaluation of Prefix and Postfix Expression 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Explain Introduction of Stack 2. Discuss Stack Operations 3. Implement Stack Operations in Python 4. Discuss Stack Applications 5. Demonstrate Conversion of given Expressions 6. Evaluate Prefix and Postfix Expression 	<p>Students will able to learn the importance of Data Structure(DS).</p>
15	29 July to 03 August 2024	<p>Unit III: Database Management</p> <p>Ch 13 - Table Creation and Data Manipulation Commands</p> <ol style="list-style-type: none"> 1. Introduction : Databases in MYSQL <ol style="list-style-type: none"> a. Creating Databases b. Opening Databases c. Removing Databases 2. Creating Tables <ol style="list-style-type: none"> a. Data Integrity Through Constraints b. Different Constraints : Unique Constraint, Primary Constraint 3. Different Constraints : Default Constraint, Check Constraint, Foreign Key Constraint 4. Role of Foreign Key/References Constraint 5. Applying Table Constraints 6. Applying Names to Constraints 7. Viewing a Table Structure 8. Creating Table from Existing Table 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Explain Databases along with operations in MYSQL 2. Understand the role of Foreign Key/References Constraint 3. Describe different types of Constraints. 	<p>Students will able to apply different operations on database table.</p>

16	05 to 10 August 2024	<p>Unit III: Database Management</p> <p>Ch 13 - Table Creation and Data Manipulation Commands</p> <p>9. Changing Data with DML Commands</p> <ol style="list-style-type: none"> Inserting Data into Table Inserting NULL values Inserting Dates Inserting Data from Another Table <p>10. Modifying Data with Update Command</p> <ol style="list-style-type: none"> Updating Multiple Columns Using Expressions in Update Updating to NULL Values <p>11. Deleting Data with Delete Command</p> <p>12. More DDL Commands</p> <ol style="list-style-type: none"> ALTER Table Command (Adding Columns, Modifying Column Definitions, Removing Table Components) The Drop Table Command 	<p>To enable the students to -</p> <ol style="list-style-type: none"> Change Data with DML Commands Modify Data with Update Command Delete Data with Delete Command <p>Practicals</p>	<p>Students will able to apply different operations on database table.</p> <p>Students will do the Practicals on given MySQL Questions.</p>
17	12 to 17 August 2024	<p>Unit III: Database Management</p> <p>Ch 14 - Grouping, Records, Joins in SQL</p> <ol style="list-style-type: none"> Introduction : MYSQL Functions <ol style="list-style-type: none"> String Functions Numeric Functions Date and Time Functions Introduction : Aggregate Function Types of Aggregate Functions: AVG, COUNT, MAX, MIN, SUM 	<p>To enable the students to -</p> <ol style="list-style-type: none"> Explain MYSQL Functions Demonstrate Aggregate Functions along with its types. 	<p>Students will able to learn to apply GROUP BY, ORDER BY Clause and Joins based on different purposes.</p>
18	19 to 24 August 2024	<p>Unit III: Database Management</p> <p>Ch 14 - Grouping, Records, Joins in SQL</p> <ol style="list-style-type: none"> Introduction: Grouping Result - GROUP BY <ol style="list-style-type: none"> Nested Groups - Grouping on Multiple Columns Placing Condition On Groups - HAVING Clause Non-Group Expressions with GROUP BY Introduction : SQL Joins <ol style="list-style-type: none"> Cartesian Product Equi Join Inner Join Natural Join 	<p>To enable the students to -1. Discuss Grouping Result - GROUP BY 2. Explain SQL Joins and its types.</p> <p>Practicals</p>	<p>Students will able to learn to apply GROUP BY, ORDER BY Clause and Joins based on different purposes.</p> <p>Students will do the Practicals on given MySQL Questions.</p>

19	26 to 31 August 2024	<p>Unit III: Database Management</p> <p>Ch 15 - Interface Python with MySQL</p> <p>1. Introduction : Interface Python with MySQL 2. Connecting to MySQL from Python 3. Types of fetch Methods :fetchall(), fetchmany(), fetchone() 4. ParameterisedQueries : Old Style and New Style 5. Performing insert and update queries 6. Integrate SQL with Python by importing the MySQL module. a. To create a database in MySQL. b. To create a table in the created database. c. To display the list of databases. d. To display the list of tables. 7. Integrate SQL with Python by importing the MySQL module. a. To display the structure of the table. b. To insert values in the table. c. To display the values of the table. d. To update the values of the table.</p>	<p>To enable the students to -</p> <p>1. Explain Interface Python with MySQL 2. Demonstrate how to Connect MySQL from Python 3. Discuss types of fetch Methods 4. Compare Parameterised Queries 5. Discuss insert and update queries</p> <p>To enable the students to Integrate SQL with Python by importing the MySQL module for create, insert, update and display.</p> <p>Practicals</p>	<p>Students will able to understand the steps to Connect a Python program with an SQL database and perform various file operation.</p> <p>Students will do the Practicals on given MySQL Questions.</p>
20	02 to 07 Sept. 2024	<p>Major Project(Synopsis + Documentation)</p> <p>REVISION FOR TERM 1</p>	<p>Students will acquire the knowledge of Project Management.</p> <p>REVISION FOR TERM 1</p>	<p>Students will get to complete their Project work of Front End(Python).</p> <p>REVISION FOR TERM 1</p>
21	09 to 16 Sept. 2024	REVISION FOR TERM 1	REVISION FOR TERM 1	REVISION FOR TERM 1
22	18 to 30 Sept. 2024	Term 1 exam	Term 1 exam	Term 1 exam
23	01 to 10 Oct 2024	<p>Unit I: Computational Thinking and Programming – 2</p> <p>Ch 5 - File Handling</p> <p>1.Introduction 2. Data Files 3. Opening and Closing Files 4. Working with Text Files 5. Standard Input, Output and Error Streams 6. Working with Binary Files 7. Working with CSV Files</p>	<p>To enable the students to -</p> <p>1.Explain File Handling 2. Demonstrate Opening and Closing Files 3. Explain working with Text Files 4. Discuss standard Input, Output and Error Streams 5. Explain working with Binary Files 6. Explain working with CSV Files</p>	<p>Students will be able to learn the Concept of File Handling in Python:- adding , deleting, modifying and searching records in text file , binary file and CSV file.</p>

		Dushera break 11- 12 Oct 2024		
24	14 to 19 Oct 2024	Unit I: Computational Thinking and Programming – 2 Ch 5 - File Handling	Practicals	Students will do the Practicals on given Programs.
25	21 to 28 Oct 2023	Unit I: Computational Thinking and Programming – 2 Ch 5 - File Handling	Practicals	Students will do the Practicals on given Programs.
		Diwali break 29 Oct - 02 Nov 2024		
26	04 to 09 Nov 2024	Unit II: Computer Networks Ch 10 - Communication and Network Concepts 1. Introduction: Computer Networks 2. Evolution of Network: ARPANET, NSFNET, Internet, Interspace 3. Pros and Cons of Computer Networks 4. Components of a Computer Network : a. Hosts/Nodes b. Servers c. Client d. Network Hardware e. Communication Channel f. Software g. Network Services 5. Types of Networks based on Geographical Spread: a. LAN b. WAN c. MAN 6. Types of Networks by Components Roles: a. Peer to Peer Networks b. Client/Server Networks 7. Types of Networks based on Communication Channel (Transmission Media): a. Wired Computer Networks : Twisted Pair Cable, Coaxial Cable, Fiber Optic Cable b. Wireless Computer Networks : Microwave, Radio Waves, Satellite	To enable the students to - 1. Explain about Computer Networks 2. Explain evolution of Network: ARPANET, NSFNET, Internet, Interspace 3. Discuss Pros and Cons of Computer Networks 4. Define the components of a Computer Network 5. Discuss types of Networks based on Geographical Spread: 6. Discuss types of Networks by Components Roles 7. Discuss types of Networks based on Communication Channel	Students will be able to acquire the importance of Computer Networks along with its evolution.

27	11 to 16 Nov 2024	<p>Unit II: Computer Networks Ch 10 - Communication and Network Concepts</p> <p>8. Switching Techniques :</p> <ol style="list-style-type: none"> Circuit Switching Message Switching Packet Switching <p>9. Network Topologies:</p> <ol style="list-style-type: none"> Point to Point Link Star Topology Bus Topology Ring or Circular Topology Mesh Topology Tree Topology Fully Connected Factors to consider for Topology Selection <p>10. Network Devices/Hardwares</p> <ol style="list-style-type: none"> NIC WiFi Card Hub Switch Modem RJ-45 <p>11. Network Devices/Hardwares</p> <ol style="list-style-type: none"> Bridge Router Gateway Access Point 	<p>To enable the students to –</p> <ol style="list-style-type: none"> 1. Explain Switching Techniques 2. Demonstrate Network Topologies 3. Discuss different Network Devices/Hardwares 	<p>Students will able to acquire the concept of Switching techniques and Network topologies.</p>
28	18 to 23 Nov 2024	<p>Unit II: Computer Networks Ch 10 - Communication and Network Concepts</p> <p>12. Network Protocols</p> <ol style="list-style-type: none"> HTTP FTP TCP/IP SLIP/PPP Protocols used in Email <p>13. Wireless / Mobile Computing</p> <ol style="list-style-type: none"> Wireless vs. Mobile Computing Wireless / Mobile Computing Technologies <p>14. Internetworking Terms and Concepts</p> <ol style="list-style-type: none"> WWW Telnet Web Browser and Web Server Websites, Web Addresses and Web Pages 	<p>To enable the students to -Students will be able to acquire the importance of Computer Networks along with its evolution.</p> <ol style="list-style-type: none"> 1. Explain Network Protocols 2. Demonstrate Wireless / Mobile Computing 3. Define Internetworking Terms and Concepts 	<p>Students will able to acquire the concept of Network Protocols.</p>

29	25 to 30 Nov 2024	Unit II: Computer Networks Ch 10 - Communication and Network Concepts	Application Based Questions	Application Based Questions
30	02 to 04 Dec 2024	REVISION	REVISION	REVISION
31	05 to 17 Dec 2024	PREBOARD I	PREBOARD I	PREBOARD I
32	18 to 21 Dec 2024	REVISION	REVISION	REVISION
33	23 to 28 Dec 2024	REVISION	REVISION	REVISION
34	02 to 04 Jan 2025	REVISION	REVISION	REVISION
35	06 to 13 Jan 2025	REVISION	REVISION	REVISION
36	16 to 27 Jan 2025	PREBOARD II	PREBOARD II	PREBOARD II

Subject:- Informatics Practices

Book Followed:- Informatics Practices (Publisher - Sultan S.Chand)

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Chapter -1 Python Pandas -I (Series)</p> <p>Introduction to Python libraries- Pandas, Matplotlib. Data structures in Pandas - Series and data frames. Series: Creation of series from dictionary, scalar value; mathematical operations; series attributes, head and tail functions</p>	<p>Use of library functions, advanced operations on Data Series like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Series like</p> <ul style="list-style-type: none"> » Introduction » Descriptive Statistics » Data Aggregations » Sorting a Series 	<p>Develop programming skills for data handling using series in python</p> <p>Improve their logical and problem solving skills</p>
2	11 to 16 March 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Chapter -1 Python Pandas -I (Series)</p> <p>Data structures in Pandas - Series and data frames. Series: Creation of series from dictionary, scalar value; mathematical operations; series attributes, head and tail functions</p>	<p>Use of library functions, advanced operations on Data Series like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Frames like</p> <ul style="list-style-type: none"> » Sorting a Series » GROUP BY Functions » Altering the Index 	<p>Develop programming skills for data handling using series in python</p>
3	18 to 23 March 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Data Handling using Pandas -I (Data FRames)</p> <p>Introduction of Data Frame Data Frames: creation of data frames from dictionary of series, list of dictionaries, text/CSV files, display, iteration.</p>	<p>Use of library functions, advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Apply functions row-wise and element-wise on a Data Frame for aggregation, sorting, and statistical analysis of data. Perform operations on 1D & 2D Arrays</p>	<p>Acquire knowledge on data handling using data frames in python</p>

4	25 to 30 March 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Chapter -2 Python Pandas -II (Data Frames)</p> <p>Operations on rows and columns: add (insert /append) , select, delete (drop column and row), rename, Head and Tail functions, indexing using labels, Boolean indexing. + Programs Practice</p>	<p>Do advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Apply functions row-wise and element-wise on a Data Frame for aggregation, sorting, and statistical analysis of data. Perform operations on 1D & 2D Arrays</p>	<p>Acquire knowledge on data handling using data frames in python</p> <p>Improve their logical and problem solving skills</p>
5	01 April to 6 April 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Chapter -2 Python Pandas -II (Data Frames)</p> <p>Operations on rows and columns: add (insert /append) , select, delete (drop column and row), rename, Head and Tail functions, indexing using labels, Boolean indexing.</p>	<p>Use of library functions, advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Apply functions row-wise and element-wise on a Data Frame for aggregation, sorting, and statistical analysis of data. Perform operations on 1D & 2D Arrays</p>	<p>Acquire knowledge on data handling using data frames in python</p> <p>Improve their logical and problem solving skills</p>
6	8 to 13 April 2024	<p>Unit 1: Data Handling using Pandas and Data Visualization Chapter -1, 2 Python Programs Practice and writing in file</p> <p>1. Create a panda's series and display it 2. Print all the elements of Series that are above the 75th percentile. 3. Create a Data Frame quarterly sales where each row contains the item 4. Create a data frame for examination result and display row labels, column labels 5. Filter out rows based on different criteria such as duplicate rows. etc.</p>	<p>Use of library functions, advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Understand advanced operations on Data Frames like aggregation, descriptive statistics, re-indexing of columns. Apply functions row-wise and element-wise on a Data Frame for aggregation, sorting, and statistical analysis of data. Practice program writing and removing errors</p>	<p>Develop programming skills for data handling using data frames in python</p>

7	15 to 20 April 2024	Data Handling using Pandas -II Data Visualization : Data Visualization : Purpose of plotting, drawing and saving of plots using Matplotlib (Histogram, pie and scater charts). Customizing plots; adding label, title, and legend in plots. + Program Practice	Use of library file Matplotlib to make programs for Histogram, pie and scater charts with specific attributes Make programs for line and bar charts with specific attributes	Develop programming skills for data handling using data frames in python Enhance logical and analytical skills
8	22 to 30 April 2024	Data Handling using Pandas -II Data Visualization : Chapter -3 Plotting with Pyplot Data Visualization : Purpose of plotting, drawing and saving of plots using Matplotlib (Histogram, pie and scater charts). Customizing plots; adding label, title, and legend in plots , Programs related to Data Visualization , Import and Export of Data between Pandas and CSV / MySQL	Use of library file Matplotlib to make programs for Histogram, pie and scater charts with specific attributes Make programs for line and bar charts with specific attributes	Develop programming skills for data handling using data frames in python
9	15 to 22 June 2024	Programming in Python – Ch-4 Data Visualization and CSV files 1. Given the school result data, analyses the performance of the students on different parameters,e.g subject wise or class wise. 2. For the Data frames created above, analyze, and plot appropriate charts with title and legend. 3. Take data of your interest from an open source (e.g. data.gov.in), aggregate and summarize it. Then plot it using different plotting functions of the Matplotlib library etc. Data handline using CSV Importing and exporting data between pandas and CSV file	Know the steps of coding for database connectivity Able to code for plotting graphs using dataframes and csv files Analyse data using various graphs	Develop programming skills for data handling using CSV Able to code for plotting graphs using dataframes and csv files Analyse data using various graphs
10	24 June to 29 June 2024	Unit 4: Chapter -11 Societal Impact » Digital Footprints » Digital Society and Netizen » Data Protection	Know the importance of Digital footprints and how to limit the trails of digital footprint. Know about Intellectual Property Rights	Understand the concepts of ethics and law, including their importance Effective use of internet and marking digital footprint

11	1 to 6 July 2024	Unit 4: Chapter -11 Societal Impact » Data Protection » Creative Commons » Cyber Crime » Indian Information Technology Act (IT Act) » E-waste: Hazards and Management » Impact on Health » E-waste management: proper disposal of used electronic gadgets ,Identity theft & biometrics.	Prevents them self from cyber crimes and know about cyber law and IT Acts. Manage E-waste and effectively use electronic gadgets Know the importance of Digital footprints and how to limit the trails of digital footprint. Know about Intellectual Property Rights Prevents them self from cyber crimes and know about cyber law and IT Acts. Manage E-waste and effectively use electronic gadgets	Understand the concepts of ethics and law, including their importance Effective use of internet and marking digital footprint Recognize the importance of in law, technology in resolving challenges they will face in the future
12	8 to 11 July 2024	Revision for PA-I		
13	12 to 22 July 2024	PERIODIC ASSESSMENT - I		
14	23 to 27 July 2024	Unit 4: Societal Impact Chapter -12 - Data Protection » Cyber Crime » Indian Information Technology Act (IT Act) » E-waste: Hazards and Management » Impact on Health » E-waste management: proper disposal of used electronic gadgets ,Identity theft & biometrics.	Know the importance of Digital footprints and how to limit the trails of digital footprint. Know about Intellectual Property Rights Prevents them self from cyber crimes and know about cyber law and IT Acts. Manage E-waste and effectively use electronic gadgets	Understand the concepts of ethics and law, including their importance Effective use of internet and marking digital footprint Recognize the importance of in law, technology in resolving challenges they will face in the future
15	29 July to 3 August 2024	Unit 3: Introduction to Computer Networks Introduction to networks, Types of network: LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh.	Understand basics of computer networks, topologies and classify them. Know about network devices and its uses	Get a basic understanding of the evolution of the computer networking, different network devices, its uses and how to solve network application questions

16	5 to 10 August 2024	Unit 3: Introduction to Computer Networks Introduction to Internet, URL, WWW and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.	Know about network devices and its uses Understand used of internet terminologies- web server, client, dynamic and static pages, browser and types , browser's setting	Get a basic understanding of the evolution of the computer networking, different network devices, its uses and how to solve network application questions
17	12 to 17 Aug 2024	Project Work using front end and backend + Practical Work	To enable the students to - <ul style="list-style-type: none"> • Identify the real world problems for computerization • Collect & analysis the data related to problem • Create algorithm or steps of solution • Modularization of problem in small solutions • Convert the solution in codes 	Students will be able to : <ul style="list-style-type: none"> • Understand concept of data connectivity and code to handle database operations • Enhance their programming and logical skills • Analyse the output of List based python codes
18	19 to 24 August 2024	Unit 3: Introduction to Computer Networks Introduction to Internet, URL, WWW and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.	Know about network devices and its uses Understand used of internet terminologies- web server, client, dynamic and static pages, browser and types , browser's setting	Get a basic understanding of the evolution of the computer networking, different network devices, its uses and how to solve network application questions
19	26 to 31 August 2024	Project Work using front end and backend + Practical Work	To enable the students to - <ul style="list-style-type: none"> • Identify the real world problems for computerization • Collect & analysis the data related to problem • Create algorithm or steps of solution • Modularization of problem in small solutions • Convert the solution in codes 	Students will be able to : <ul style="list-style-type: none"> • Understand concept of data connectivity and code to handle database operations • Enhance their programming and logical skills • Analyse the output of List

				based python codes
20	2 to 7 Sept.2024	Revision	Revision	Revision
21	9 to 16 Sept.2024	Revision	Revision	Revision
22	18 to 30 Sept.2024	TERM-I Examination		
23	1 to 10 Oct.2024	Unit 2: Database concepts, SQL and its categories, creation of tables in MYSQL and queries to handle records , Categories of SQL Commands, Math , String, Date and Aggregate Functions, Database Query using SQL, SQL Commands, Math , String, Date and Aggregate Functions,	<ul style="list-style-type: none"> • Handle Database operations with sql queries • Understand and implement used of various functions on tables. 	<ul style="list-style-type: none"> • Revise MYSQL RDBMS Software and its environment • Handle Database operations with sql queries • Understand and implement used of various functions on tables.
24	11 to 12 Sept.2024	Dussehra Holidays		
25	14 to 19 Oct. 2024	Operations on Relations - Union, Intersection, Minus, Cartesian Product, Join queries	<ul style="list-style-type: none"> • Able to extract records using join queries • Able delete, update and select records using clauses • Understand the concept of intersection, union and cartesian product of table 	<ul style="list-style-type: none"> • Able to extract records using join queries • Able delete, update and select records using clauses • Understand the concept of intersection, union and Cartesian product of table

26	21 to 28 Oct.2024	<p>Unit – 2 : Database Query using SQL Joining of tables and applying SQL Queries</p> <p>Operations on Relations - Join Queries - Union, Intersection, Minus, Cartesian Product Primary , Foreign and Composite Keys and Table Aliases</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Handle data in a database with multiple tables • Able to set relationship with tables using primary and foreign keys • Classify types of queries • Apply sql queries to extract data by putting queries • Start working on small python project 	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Handle and manage data and information in computerized manner • Set relationship with tables using primary and foreign keys • Use queries, constraints and clauses effectively for data retrieval
27	29 Oct. to 2 Nov.2024	Diwali Holidays		
28	4 to 9 Nov.2024	<p>Unit – 2 : Database Query using SQL Joining of tables and applying SQL Queries</p> <p>Operations on Relations - Join Queries - Union, Intersection, Minus, Cartesian Product Primary , Foreign and Composite Keys and Table Aliases</p> <p>+ Revision for TERM-I</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Handle data in a database with multiple tables • Able to set relationship with tables using primary and foreign keys • Classify types of queries • Apply sql queries to extract data by putting queries • Start working on small python project 	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Handle and manage data and information in computerized manner • Set relationship with tables using primary and foreign keys • Use queries, constraints and clause effectively for data retrieval
29	11 to 16 Nov.2024	Practical Work + Project Work	<p>To enable the students to -</p> <ul style="list-style-type: none"> • Identify the real world problems for computerization • Collect & analysis the data related to problem • Create algorithm or steps of solution • Modularization of problem in small solutions • Convert the solution in codes 	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Understand concept of data connectivity and code to handle database operations • Enhance their programming and logical skills • Analyse the output of List based python codes

30	18 to 23 Nov. 2024	Unit-3 : Introduction to Computer Networks Introduction to networks, Types of network: LAN, MAN, WAN Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh.	Students will be able to : <ul style="list-style-type: none"> • Understand networking concepts and classify types of networks • Define use of various network devices required in networking • Define the structure of various network topologies 	Students will be able to : <ul style="list-style-type: none"> • Understand networking concepts and classify types of networks • Define use of various network devices required in networking • Define the structure of various network topologies
31	25 to 30 Nov. 2024	Unit-3 : Introduction to Computer Networks Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.	<ul style="list-style-type: none"> • Define Internet terminologies • Explain Topologies and its advantages and disadvantages 	<ul style="list-style-type: none"> • Define Internet terminologies • Explain Topologies and its advantages and disadvantages
32	2 to 4 Dec.2024	Revision		
33	5 to 17 Dec.2024	Pre-Board – I		
34	18 to 21 Dec. 2024	Project Work + Practical Work Revision	To enable the students to - <ul style="list-style-type: none"> • Identify the real world problems for computerization • Collect & analysis the data related to problem • Create algorithm or steps of solution • Modularization of problem in small solutions • Convert the solution in codes 	Students will be able to : <ul style="list-style-type: none"> • Understand concept of data connectivity and code to handle database operations • Enhance their programming and logical skills • Analyse the output of List based python codes
35	23 to 28 Dec 2024	Revision through Sample Papers, Hots and Worksheets		

36	26 to 28 Dec 2024	Revision through Sample Papers, Hots and Worksheets		
37	2 to 4 Jan 2025	Revision through Sample Papers, Hots and Worksheets		
38	8 to 13 Jan 2025	Revision through Sample Papers, Hots and Worksheets		
39	6 to 13 Jan 2025	Revision & Doubt Clearance		
40	16 to 27 Jan 2025	Pre Board Exams-II		

Subject:- Psychology**Book Followed:- NCERT**

S.No.	Month/ Week	Lesson to be taught	Learning Objects	Learning Outcomes
1	1 to 9 march 2024	Chapter-1 Variations in Psychological Attributes. 1. Introduction	1.To explain the variations in the features in human beings on the psychological basis. 2. Introduction of the different psychological attributes .	Students will be able to 1. Understand psychological attributes on which people differ from each other. 2. Learn about different methods that are used to assess psychological attributes
2	11 to 16 March 2024	2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes 4. Intelligence	1.Explain what constitutes intelligent behavior. 2.Learn how psychologists assess intelligence to identify mentally challenged and gifted individuals. 3.To describe the construct of intelligence, theories of intelligence and Indian perspective.	1.Students will develop a better understanding what constitutes intelligent behavior. 2.Also they will know how psychologists assess intelligence . 3.They will be able to identify mentally challenged and gifted individuals.
3	18 to 23 March 2024	5. Psychometric Theories of Intelligence, Information Processing Theory: Planning,Attention-arousal and Simultaneous successive 6.Model of Intelligence, Triarchic Theory of Intelligence; Theory of Multiple Intelligences. 7. Individual Differences in Intelligence 8. Culture and Intelligence.	1.Explanation of different models of intelligence. 2.To explain variations in intelligence as intertwined in both heredity and environment 3.To understand how intelligence has different meanings in different cultures. 4. To make students understand the difference between intelligence and aptitude.	1.Students will understand the variations in intelligence entwined in both heredity and environment. 2. Students will develop a clear understanding of the different meanings intelligence has in different cultures.
4	25 to 30 March 2024	8. Emotional Intelligence 9. Special Abilities: Aptitude: Nature and Measurement 10.Creativity	1.What is Emotional Intelligence Special Abilities: Aptitude: 2.Nature and Measurement Creativity.	1.Students will understand the meaning of emotional intelligence. 2.Also they will understand the difference between intelligence and aptitude.
5	1 to 6 April 2024	Introduction to Psychological Testing.	1.What is psychological testing? 2.How is it done?	1.Students will understand the process of psychological testing. 2.They will get to know the relevance of psychological testing.
		1. Psychological Test Raven's Test of Intelligence.	Raven's Standard Progressive Matrices. Learn to assess the I.Q. using a paper pencil test.	Raven's Standard Progressive Matrices. Learn to assess the I.Q. using a paper pencil test
6	8 to 13 April 2024	Chapter-2 : Self and Personality.		

7	8 to 13 April 2024	<ol style="list-style-type: none"> 1. Introduction 2. Self and Personality 3. Concept of Self 	<ol style="list-style-type: none"> 1.To describe the concept of self. 2.To learn ways for self regulation of behavior. 3.Explain the concept of personality. 4.To learn to differentiate between various personality types. 	<ol style="list-style-type: none"> 1.Students will be able to understand the concept of idea and beliefs one holds about oneself & the responses of others. 2.They will know the different types of personalities.
8	15 to 20 April 2024	<ol style="list-style-type: none"> 4. Cognitive and Behavioural aspects of Self 5. Culture and Self 6. Concept of Personality 	<ol style="list-style-type: none"> 1.To differentiate between various approaches to the study of personality. 2.To develop insight into the development of a healthy personality. 	<ol style="list-style-type: none"> 1.Students will have a broad idea of various approaches to the study of personality. 2.Also will have insight into the development of a healthy personality.
9	15 to 20 April 2024	<ol style="list-style-type: none"> 7. Major Approaches to the Study of Personality <ul style="list-style-type: none"> · Type Approaches · Trait Approaches · Psychodynamic Approach and Post Freudian Approaches · Behavioural Approach · Cultural Approach · Humanistic Approach 	<ol style="list-style-type: none"> 1.To understand the different approaches to study personalities. 2. Such as: Type Approach Psychodynamic Approach Post Freudian Approaches Behavioural Approach Cultural Approach Humanistic Approach 	<ol style="list-style-type: none"> 1.Students will be able to understand the approaches which describe the different types of personality. 2.They will learn approaches like: Type Approach Psychodynamic Approach Post Freudian Approaches Behavioural Approach Cultural Approach Humanistic Approach
10	22 to 30 April 2024	<ol style="list-style-type: none"> 8. Assessment of Personality <ul style="list-style-type: none"> · Self-report Measures · Projective Techniques · Behavioural Analysis 	<ol style="list-style-type: none"> 1.Students should be able to assess the personality using different assessment methods. 2.They will learn the following methods: Self-report Measures Projective Techniques Behavioural Analysis 	<ol style="list-style-type: none"> 1.Students will be able to assess the personality using different assessment methods. 2.They will be apt using the following methods: Self-report Measures Projective Techniques Behavioural Analysis
		2. Psychological Test	Maudley Personality Test	Learn to assess the Personality using a Paper pencil test.
11	15 to 22 June 2024	Chapter-3: Meeting Life Challenges		
12	22 to 29 June 2024	<ol style="list-style-type: none"> 1. Introduction 2. Nature, Types and Sources of Stress 	<ol style="list-style-type: none"> 1. To understand the nature and types of stress. 2. To make them aware of the sources of stress as life challenges. 3. To examine the effects of stress on psychological functioning. 	<ol style="list-style-type: none"> 1. Students will be able to understand the nature and types of stress. 2. They will be aware of the sources of stress as life challenges. 3. They will be able to examine the effects of stress on psychological functioning.

13	1 to 6 July 2024	3. Effects of Stress on Psychological Functioning and Health · Stress and Health · General Adaptation Syndrome · Stress and Immune System · Lifestyle	1. Students will be able to know the effects of Stress on Psychological Functioning and Health 2. They will learn the relation of Stress and Health 3. They will get to know the terms like General Adaptation Syndrome Stress and Immune System Lifestyle	1. Students will know the effects of Stress on Psychological Functioning and Health 2. They will clearly know the relation of Stress on Health 3.They will have an understanding of the terms like General Adaptation Syndrome Stress and Immune System Life.
14	8 to 11 July 2024	4. Coping with Stress · Stress Management Techniques	1.Students will learn the life skills that help people stay healthy. 2.Students will learn the factors that promote positive health and well being.	1.Students will learn how to stay healthy using the life skills taught in the class. 2.Students will themselves be able to promote positive health and well being .
15	12 to 22 July 2024	5. Promoting Positive Health and Well-being · Life Skills ,· Positive Health	1.Will learn more ways to Promote Positive Health and Well-being ,· Life Skills , · Positive Health	1.Students will be able to use more ways in the promotion of positive Health and Well-being · Life Skills · Positive Health
16	23 to 27 July 2024	3. Psychological Test	Self Concept Questionare 1.Students will learn the conduction of test.	Students will be able to assess the Personality using a Paper pencil test.
17	29 July to 3 Aug 2024	Chapter-4: Psychological Disorders		
18	5 to 10 August 2024	1. Introduction 2. Concepts of Abnormality and Psychological Disorders · Historical Background	1. Students will get to learn the concept of abnormality 2. Concepts of Psychological Disorders 3. Historical Background of Abnormality and Psychological Disorders.	1.Students will know the different behavior issues which take people away from the normality. 2.They will have an understanding of abnormality. 3.They will have an understanding of Psychological disorders as well.
19	12 to 17 August 2024	3. Classification of Psychological Disorders 4. Factors Underlying Abnormal Behaviour	1. They will learn the classification of different psychological disorders. 2. Factors Underlying Abnormal Behaviour	1. Students will be able to classify different psychological disorders. 2. They will know the factors Underlying Abnormal Behaviour.

20	19 to 24 August 2024	5. Major Psychological Disorders- Anxiety Disorders- Obsessive-Compulsive and Related Disorders · Trauma-and Stressor-Related Disorders- Somatic Symptom and Related Disorders- Dissociative Disorders- Depressive Disorder- Bipolar and Related Disorders- Schizophrenia Spectrum and Other Psychotic Disorders · Neurodevelopmental Disorders- Disruptive, Impulse-Control and Conduct Disorders · Feeding and Eating Disorders- Substance Related and Addictive Disorders	1. Students will learn about Major Psychological Disorders like:- Anxiety Disorders- Obsessive-Compulsive and Related Disorders · Trauma-and Stressor-Related Disorders- Somatic Symptom and Related Disorders- Dissociative Disorders- Depressive Disorder- Bipolar and Related Disorders- Schizophrenia Spectrum and Other Psychotic Disorders · Neurodevelopmental Disorders- Disruptive, Impulse-Control and Conduct Disorders · Feeding and Eating Disorders- Substance Related and Addictive Disorders	1 Students will develop an understanding of the Major Psychological Disorders like:- Anxiety Disorders- Obsessive-Compulsive and Related Disorders · Trauma-and Stressor-Related Disorders- Somatic Symptom and Related Disorders- Dissociative Disorders- Depressive Disorder- Bipolar and Related Disorders- Schizophrenia Spectrum and Other Psychotic Disorders · Neurodevelopmental Disorders- Disruptive, Impulse-Control and Conduct Disorders · Feeding and Eating Disorders- Substance Related and Addictive Disorders
		4. Psychological Test	Sinha's Anxiety Test	Learn to assess the Personality using a Paper pencil test.
21	26 to 31 August 2023	Chapter-5: Therapeutic Approaches. 1. Nature and Process of psychotherapy · Therapeutic relationship	1. Students will Familiarize themselves with the basic nature and process of psychotherapy. 2. Will get to learn that there are different types of therapies for helping people.	1. Students will get Familiarized with the basic nature and process of psychotherapy. 2. Will learn to use different types of therapies for helping people.
22	2 to 7 Sept 2024	2. Types of Therapies · Behaviour Therapy · Cognitive Therapy · Humanistic-Existential Therapy · Alternative Therapies · Factors contributing to healing in Psychotherapy · Ethics in Psychotherapy 3. Rehabilitation of the Mentally Ill	1. Students will learn the different Therapies. 2. The types will be: · Behaviour Therapy · Cognitive Therapy · Humanistic-Existential Therapy · Alternative Therapies · Factors contributing to healing in Psychotherapy · Ethics in Psychotherapy 3. Rehabilitation of the Mentally Ill	1. Understand the use of psychological forms of intervention. 2. Will know how people with mental disorders can be rehabilitated 3. Will be able to use the different therapies.
23	9 to 16 Sept 2024	REVISION	REVISION	REVISION
24	18 to 30 Sept 2024	TERM -1		
26	1 to 10 Oct 2024	Chapter-6: Attitude and Social Cognition.		
27	14 to 19 Oct 2024	1. Introduction 2. Explaining Social Behaviour	Understand what attitudes are, how they are formed and changed. Analyze how people interpret and explain the behavior of others.	Understand what attitudes are, how they are formed and changed. Analyze how people interpret and explain the behavior of others.
28	21 to 28 Oct 2024	3. Nature and Components of Attitudes		

29	4 to 9 Nov 2024	4. Attitude Formation and Change · Attitude Formation · Attitude Change · Attitude-Behaviour Relationship	1.Understand the concept of pro- social behavior . 2. understand the factors affecting it.	1.Students will learn the concept of pro- social behavior . 2. Will know the factors affecting it.
30	11 to 16 Nov 2024	5. Prejudice and Discrimination 6. Strategies for Handling Prejudice	1. Students will be taught the meaning of Prejudice and discrimination . 2.What are the basis of Prejudice. 3.Strategies for handling prejudice.	1. Students will learn the meaning of Prejudice and discrimination . 2.They will know the basis, Prejudice is based on . 3.Strategies for handling prejudice.
		5. Psychological Test	AISS	Learn to assess the Personality using a Paper pencil test.
31	18 to 23 Nov 2024	Chapter-7: Social Influence and Group Processes.	1.Understand the types and nature of groups . 2.Students will learn how groups are formed. 3.Examine the influence of a group on individual behavior.	1.Students will know the types and nature of groups . 2.Students will know how groups are formed. 3.Examine the influence of a group on individual behavior.
32	18 to 23 Nov 2024	1. Introduction 2. Nature and Formation of Groups	1.Students will be able to describe the process of cooperation and competition. 2.They will be able to reflect on the importance of social identity.	1.Students will be able to describe the process of cooperation and competition. 2.They will be able to reflect on the importance of social identity.
33	25 to 30 Nov 2024	REVISION	REVISION	REVISION
34	5 to 17 Dec 2024	PA III/Pre-Board-I		
33	18 to 21 Dec 2024	3. Type of Groups	1.Students will be taught the types of groups. 2.They will be taught the process of formation of group.	1.Students will be aware of the different types of groups. 2.They will know the process of formation of group.
34	23 to 28 Dec 2024	4. Influence of Group on Individual Behaviour · Social Loafing · Group Polarisation	1. Students will understand the nature of inter group conflict and examine conflict resolution strategies. 2.They will learn Social Loafing . 3. They will learn Group Polarisation.	1. Students will know the nature of inter group conflict and examine conflict resolution strategies. 2.They will have a clear understanding of Social Loafing . 3. They will know about Group Polarisation.
35	2 to 4 Jan 2025	REVISION	REVISION	REVISION
36	6 to 13 Jan 2025	REVISION		
37	16 to 27 Jan 2025	Pre-Board -I		

Subject:- Legal Studies

Book Followed:- NCERT

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	UNIT 1 JUDICIARY a) Structure, Hierarchy of Courts, and Legal Officers in India b) Supreme Court of India c) High Courts d) District and Sub-ordinate Courts e) Salient Features of Indian Judiciary f) Legal officers in India g) Constitution, Roles and Impartiality h) Role of Indian Judiciary i) Different Roles of the Supreme Court of India j) Appointments, retirement and removal of Judges	To enable students to- 1. trace the history of the origin and development of Indian Judicial System in India; 2. explain the Jurisdiction of the Supreme Court of India; 3. know the structure of Judiciary in India;	Students will be able to: 1. Explain the Jurisdiction of the High Court's; 2. Understand the working of Subordinate Courts; 3. Identify the Hierarchy of Judicial System in India; 4. Discuss the role of Tribunals in complementing and supplementing the role of judiciary in India 5. explain the concept of Judicial Review in India 6. Understand the scope of Judicial Review in India 7. Describe how judges are removed upon Impeachment 8. Explain how judges are being trained
2	11 to 16 March	k) Tribunals l) Doctrine of Basic Structure m) SCOPE OF JUDICIAL REVIEW IN INDIA n) Courts and Judicial Review Unit 2 Arbitration, Tribunal Adjudication and Alternative dispute resolution 1. Adversarial and Inquisitorial system 2. Introduction to Alternative Dispute Resolution 2.1 Meaning and scope of ADR 2.2. Benefits of ADR 2.3 Types of ADR	To enable the students- 1. To understand the scope and importance of judicial review in India 2. Compare the types of system i.e.adversarial and inquisitorial system 3. List the distinguishing features and sources of Alternative dispute resolution 4. Discuss the need for ADR	Students will be able to: 1. define the basic structure of Indian Constitution 2. Describe the meaning, nature, essentials and objectives of ADR 3. Define Law and explain the meaning of ADR 4. Write down two points each in favour of and against adversarial and inquisitorial system

3	18 to 23 March 2024	<p>2.3.1 Arbitration 2.3.1.1 Meaning 2.3.1.2 Process of Arbitration 2.3.1.3 Types of Arbitration Domestic Arbitration Foreign Arbitration Ad-Hoc Arbitration Institutional Arbitration Statutory Arbitration International Commercial Arbitration</p> <p>1. Laws on arbitration 2. Administrative Tribunals 3. Mediation 3.1 Meaning and Types 3.1.1 Evaluative Mediation</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Classify the various types of Arbitration 2. Summarise the process of arbitration 3. Compare Domestic Arbitration and Foreign Arbitration 4. Compare ad hoc Arbitration and Institutional Arbitration 5. Compare Statutory arbitration and International commercial arbitration 6. Classify the various branches of Mediation 7. Summarise the purpose behind classification of law 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify the sub types of each branch
4	25 to 30 March 2024	<p>Unit 2 Arbitration, Tribunal Adjudication and Alternative dispute resolution</p> <p>3.1.2 Facilitative Mediation 3.1.3 Transformative Mediation 3.1.4. Mediation with Arbitration 3.1.5. Online Mediation</p> <p>3.2. Process of Mediation</p> <p>4. Conciliation</p> <p>4.1. Laws on Mediation and Conciliation</p> <p>1. Lok Adalat 1.1 Benefits of Lok Adalat 1.2 Laws on Lok Adalat</p> <p>2. Ombudsman 2.1 Meaning and Role</p> <p>3. Lokpal and Lokayukta 3.1 Meaning and Origin</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. understand the importance of Lok Adalat 2. Explain the basic functions of an ombudsman 3. Compare Evaluative Mediation and Facilitative mediation 4. Compare Transformative Mediation and mediation with arbitration 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Enumerate the basic functions of an ombudsman 2. Differentiate between Mediation and conciliation

5	1 to 6 April 2024	Unit 3- Business Laws (CHAPTER 1) Law of Property 1. Types of property 2. Transfer 3. essentials of a valid transfer 4. Doctrine of Election 5. Doctrine of Lis Pendens 6. Sale 7. Lease 8. Exchange 9. Gift 10. Intellectual Property	To enable the students- 1. Understand the concepts of Property, Movable Property, Immovable property, Persons competent to Transfer, Essentials of a valid Transfer, doctrine of election, sale, lease, exchange, gift. 2. Differentiate between the types of Intellectual property (copyright, trademark, patent, design, Geographical Indications) 3. Explain the rights and liabilities of Buyer and Seller, Donor and Donee, Lessor and Lessee	Students will be able to- 1. Critically analyze the rights of the buyer and seller, donor and donee, lessor and lessee being violated under Transfer of Property Act, Sale of Goods Act.
6	8 to 13 April 2024	Unit 3- Business Laws (CHAPTER 2) Law of Contract 1. Introduction to Contracts 2. Making of an Agreement: General Principles 3. Offer/Proposal and Acceptance 4. Consideration 5. Capacity to Contract 6. Consent 7. Unlawful Agreements 8. Contingent Contract 9. Discharge of Contract 10. Damages	To enable the students to: 1. Demonstrate understanding of the basic contract laws in India	Students will be able to: 1. Analyse and examine the type of contracts and their legal obligations upon impeachment 2. Explain the meaning of terminologies used in the Indian Contract Act

<p>7</p>	<p>15 to 20 April 2024</p>	<p>Unit 3- Business Laws (chapter 3) Law of Torts 1. Meaning and origin of the word tort 2. Sources of Tort Law 3. Kinds of Wrongful Acts 3.1 Intentional Tort 3.1.1 Battery and Assault 3.1.2 False Imprisonment 3.1.3 Trespass to Land 3.1.4. Trespass to Chattels 3.1.5. Conversion 3.1.6. Unlawful Harassment 3.1.7. Invasion of Privacy 3.2 Negligence 3.2.1. Duty of care 3.2.2. Breach of Duty of Care 3.2.3. Harm to the Claimant 3.3 Strict Liability 4. Kinds of Harms 4.1 Property interests in land 4.2 Other types of Property 4.3. Bodily Injury 4.4 Economic Interests 5. Purpose of Tort Law 5.1 Deterrence 5.2 Fair and just response 5.3 Loss Spreading</p>	<p>To enable the students to: 1. Distinguish between Battery and assault, Trespass to land and Tresspass to chattles 2. Describe the concept of Negligence 3. Evaluate the concept of Strict liability</p>	<p>Students will be able to: 1. Analyze the importance of Law of Torts 2. Explain the relevance of Types of bodily injuries 3. Differentiate between Negligence and strict liability</p>
<p>8</p>	<p>22 to 30 April 2024</p>	<p>Chapter 3 (D) : Intellectual Property Law 1. COPYRIGHT 2. PATENT 3. TRADEMARK 4. GEOGRAPHICAL INDICATION 5. DESIGN Unit 4 GENERAL LAWS Chapter 1 Law and Sustainable Development 1. Rio Declaration 1992- Agenda 21 2. Agenda 21 3. Environment Protection Act, 1986 4. Pollution Control Board</p>	<p>To enable the students to: 1. Analyse the importance of different types of Intellectual Property Rights and its importance in the commercial world</p>	<p>Students will be able to: • Explain the nature and meaning of Intellectual Property • Explain the meaning of Intellectual Property Rights • Explain the importance of international conventions on Intellectual Property Rights • Recall the historical perspective of Intellectual Property • Appreciate the rights granted to the holder of intellectual property rights</p>

9	15 to 22 June 2024	Unit 4 GENERAL LAWS Chapter 2 Forms of legal Entities <ol style="list-style-type: none"> 1. Sole proprietorship 2. Partnership 3. Limited liability partnership 4. Private limited company 5. Public limited company 6. One person company 	To enable the students to: <ul style="list-style-type: none"> • Explain features, merits and limitations of different forms of business entities/ organizations 	Students will be able to: <ul style="list-style-type: none"> • Identify different forms of business entities/ organizations • Distinguish between various forms of business entities/ organizations • Discuss the factors determining choice of an appropriate form of entity/ organisation
10	24 to 29 June 2024	Unit 5: Human Rights in India <ol style="list-style-type: none"> 1. Introduction 2. International Human Rights 3. Universal Declaration of Human Rights (UDHR) 4. International Covenant on Civil and Political Rights, 1976 5. International Covenant on Economic, Social and Cultural Rights, 1976 6. Convention on the Rights of the Child, 1990 7. Convention on the Elimination of All Forms of Discrimination Against Women, 1979 8. Convention Relating to the Status of Refugees, 1954 9. Constitution Framework and Related Laws in India 	To enable the students to: <ol style="list-style-type: none"> 1) Understand the importance of human rights 2. List some historical and international developments about human rights 	Students will be able to: <ol style="list-style-type: none"> 1. Discuss about various kinds of human rights that are safeguarded by several laws in India 2. Illustrate various themes with the corresponding laws

11	1 to 6 July 2024	<p>9.1 The Preamble 9.2 Part III Fundamental Rights 9.2.1 Right to Equality 9.2.1.1 Discrimination and access to public places 9.2.1.2 Reservation and affirmation action 9.2.1.3. Abolition of Untouchability 9.2.2. Right to Freedom 9.2.2.1. Reasonable Restrictions 9.2.2.2 Rights of persons accused of crimes 9.2.2.3. Right to life and personal liberty 9.2.2.4. Right to education 9.2.2.5. Protection against arrest and detention 9.2.3 Right against exploitation 9.2.3.1 Prohibition of traffic in human beings and forced labor 9.2.3.2. Prohibition of employment of children in factories, etc. 9.2.4 Right to freedom of religion 9.2.4.1 Freedom of conscience and free profession, practice and propogation of religion 9.2.4.2 Freedom to manage religious affairs 9.2.4.3 Freedom as to payment of taxes for promotion of any particular religion 9.2.4.4 Freedom as to attendance at religious instruction or religious worship in certain educational institutions 9.2.5. Cultural and educational rights 9.2.6. Right to constitutional remedies 10. Directive Principles 10.1 Articles 36-51 11. Fundamental Duties (PART IV(A)- Article 51A</p>	<p>To enable the students to: 1. Demonstrate understanding of the basic Fundamentals of the constitution 2. Examine the reasoning behind why Child rights are important</p>	<p>Students will be able to: 1. Analyse and examine the various Fundamental Rights 2. Explain the meaning of terminologies used in the Rundamental rights and reasonable justification 3. Analyze the importance of Fundamental Duties 4. List down the Important articles related to freedom of religion and right to education</p>
12	8 to 11 July 2024	REVISION		
13	12 to 22 July 2024	PA 1		

14	23 to 27 July 2024	<p>CHAPTER 5(B) Complaint mechanisms of Quasi-Judicial Bodies 9.1 National Human Rights Commission 9.1.1. Powers and Functions of the commission 9.1.2. Inquiry and Investigation 9.1.3. Intervening in court proceedings 9.1.4. Inspection of jails, etc. 9.1.5. Awareness and Sensitization 9.1.6. Complaint Mechanism 9.2 National Commission for Minorities 9.2.1. Introduction 9.2.2. Functions of the Commission 9.2.3. Complaint Mechanism 9.3. National Commission for Women 9.3.1. Introduction , 9.3.2. Functions and powers 9.4. National Commission for Scheduled Castes and Scheduled Tribes 9.4.1. Introduction ,9.4.2. Powers and Functions 9.4.3. Complaint Mechanism</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Interpret the meaning and role of National human rights commission 2. State reasons for growth of Quasi Judicial body as a separate discipline 3. Enumerate the role of various human rights commissions in India and related complaint mechanisms. 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain and identify Fundamental duties 2. Critically evaluate the concept of Directive Principles 3. Explain the complaint mechanism of NHRC 4. Describe the meaning, nature, essentials and objectives of Quasi judicial bodies along with its multi-faced role
15	29 July to 3 Aug 2024	<p>UNIT 7 LEGAL PROFESSION IN INDIA 1. Introduction 2. The Advocates Act, 1961 3. The Bar Council of India 4. Lawyers and Professional Ethics 5. Professional Duties of an Advocate 6. Advertising by Lawyers 7. Opportunities for Law Graduates</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Demonstrate understanding of the Legal Profession in India 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyse and examine the professional duties of an Advocate 2. Explain the meaning of terminologies used in the Advocates act. 1961
16	5 to 10 August 2024	<p>UNIT 7 LEGAL PROFESSION IN INDIA 1. Legal Education in India 1.1 Litigation, 1.2 Law Firm Practice 1.3 Corporate Sector , 1.4 Public Policy 1.5 Legal Research and Academia 1.6 Non-Governmental Organisations 1.7 Government Institution 1.8 Further Study 1.9 Judicial Services/Clerkships 1.10 Ther Avenues 2. Liberalisation of Legal Education 3. Women and the Legal profession in India</p>	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Distinguish between various professions of law 2. Examine the Liberalisation of legal education in India 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyze the importance of Women in Legal profession in India 2. List down the process of Bar council of India

17	12 to 17 August 2024	UNIT 8 LEGAL SERVICES 1. Free legal Aid under Criminal Law 2. Legal Aid by the State 3. Legal Aid under the Indian Constitution 4. NALSA Regulations, 2010 4.1 Selection of Panel Lawyers 4.2 Payment of Fee 4.3 Senior Advocates	To enable the students to: 1. Discuss the concept of free legal aid under criminal law 2. Explain the essential features of NALSA Regulations, 2010 3. Evaluate the process of selection of panel lawyers	Students will be able to: 1. Critically evaluate the importance of free legal aid under indian constitution 2. Enumerate the meaning of senior advocates
18	19 to 24 August 2024	5. Criteria for giving free Legal Services 6. Legal Services 7. Pre- Litigation legal services 8. Lok Adalats 8.1 Powers of Lok Adalats 8.2 The Legal Services Authorities Amendment Act, 2012 9. Legal Aid in Context of Social Justice and Human Rights	To enable the students to: 1. Define, identify and illustrate the various roles played by states in the context of the free legal aid being exercised on the citizens	Students will be able to: 1. Evaluate the relevance of Lok Adalat 2. list the powers of lokadalat
19	26 to 31 August 2024	Unit 4 GENERAL LAWS Chapter 3 Introduction to criminal laws in India 1. Meaning of the term , 2. Categories of Crime 3. Stages of Crime , 4. Elements of crime 5. Strict Liability 6. Distinction between Intention and motive 7. Objective of criminal law 8. Sources of Criminal Law 9. Indian Penal Code 10. Criminal Procedure Code 11. stages of prosecution of an offence 12. Investigation of offences 13. Trial of an offence, 14. Indian Evidence Act 15. difference between admission and confession 16. Crimes under the special and local laws	To enable the students to: <ul style="list-style-type: none"> • Interpret the meaning of Criminal Laws in India • Differentiate between Indian Penal Code and Criminal Procedure code • State reasons for growth of Criminal law as a separate discipline 	Students will be able to: <ul style="list-style-type: none"> • Explain and identify the types of crimes • Critically evaluate the concept of Intention and motive • Explain the crimes under special and local laws
20	2 to 7 Sept 2024	REVISION FOR TERM 1		
21	9 to 16 Sept 2024	REVISION FOR TERM 1		
22	18 to 30 Sept 2024	Term 1 exam		

23	1 to 10 October 2024	<p>UNIT 6 INTERNATIONAL CONTEXT</p> <ol style="list-style-type: none"> 1. Meaning of International law 2. Public International Law 3. Private International Law 4. Sources of International Law 4.1 Treaties 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Demonstrate understanding of the International law 2. Recall the Sources of international law as a custom and treaty 3. Differentiate between Public international and private international law 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyse and examine the various sources of international law and their purpose 2. Explain the meaning of terminologies used in the International law
	11 and 12 Dussehra Holidays			
24	14 to 19 October 2024	<ol style="list-style-type: none"> 4.2.1 Consent by signature 4.2.2. Consent by exchange of Instruments 4.2.3. Consent by Ratification 4.2 Customs 4.3 International Court of Justice Decisions 5. International Institutions 5.1. International Labor organisation 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Examine the ways through which a consent can be given to a treaty by a state. 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Analyze the importance of International Vourt of Judicial Decisions 2. List down the various international institutions
25	21 to 28 October 2024	<ol style="list-style-type: none"> 5.2 United Nations Educational, Scientific and Cultural Organisation 5.3 World bank and the International Monetary Fund (IMF) 5.4 World Health Organisation 6. International Human Rights 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Define various international organisations 2. State the roles of various organisations 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Critically evaluate the concept of such Institutions
	29 to 2 November 2024 Diwali Holidays			
26	4 to 9 November 2024	<ol style="list-style-type: none"> 7. Customary International Law 8. International Law and Municipal Law 9. International Law and India 	<p>To enable the students to:</p> <ol style="list-style-type: none"> 1. Classify the various branches of International law 2. Summarise the purpose of Customary International 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 Indian law and International law upon their application

27	11 to 16 November 2024	10. Dispute Resolution 11. International Court of Justice 12. International Criminal Court 13. Other Dispute resolution mechanism	To enable the students to: 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 International criminal court	Students will be able to: 2. Critically evaluate the importance of different sources of law 3. Enumerate and explain other dispute resolution mechanisms available
28	18 to 23 November 2024	REVISION		
29	25 to 30 November 2024	REVISION		
30	2 to 4 December 2024	REVISION		
31	05 to 17 December 2024	PA III/PRE BOARD - I		
32	18 TO 21 December 2024	REVISION		
33	23 TO 28 December 2024	REVISION		
34	2 to 4 January 2025	REVISION		
35	6 to 13 January 2025	REVISION		
36	16 to 27 January 2025	PREBOARD 2		
37	29 to 31 Jan 2025	REVISION		

Subject:- Physical Education
Book Followed:- Vishwas Publication

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	UNIT 1- MANAGEMENT OF SPORTING EVENT	STUDENTS WILL ABLE TO LEARN PLANNING IN SPORTS ORGANISHING IN SPORTS STAFFING IN SPORTS DIRECTING IN SPORTS CONTROLLING IN SPORTS	STUDENTS WILL ABLE TO UNDERSTAND THE IMPORTANCE OF PLANNING , ORGANISING, STAFFING AND DIRECTING IN SPORTS
2	11 to 16 March 2024	UNIT 1- MANAGEMENT OF SPORTING EVENT	STUDENTS WILL ABLE TO LEARN VARIOUS COMMITEES AND THEIR RESPONSIBILITES. FIXTURES AND ITS TYPES (KNOCK OUT,LEAGUE, COMBINATION)	STUDENTS WILL ABLE TO UNDERSTAND WHAT ARE THE RESPOSIBILTES OF COMMITEES AND AND FIXTURE AND ITS DIFFRENT TYPES
3	18 to 23 March 2024	UNIT 1- MANAGEMENT OF SPORTING EVENT	STUDENTS WILL ABLE TO LEARN FIXTURES AND ITS PROCEDURE KNOCK OUT, STAIR CASE AND CYCLIC	STUDENTS WILL ABLE TO UNDERSTAND HOW FIXTURE CAN BE MADE USING DIFFRENT METHODS
4	25 to 30 March 2024	UNIT 1- MANAGEMENT OF SPORTING EVENT	STUDENTS WILL ABLE TO LEARN INTRAMURAL AND EXTRAMURAL MEANING OBJECTIVE AND ITS SIGNIFICANCE COMMUNITY SPORTS AND ITS BENIFITS	STUDENTS WILL ABLE TO UNDERSTAND WHAT ARE INTRAMURAL AND EXTRAMURAL ACTIVITES AND THEIR OBJECTIVE AND THERE IMPORTANCE
5	1 Mar to 6 April 2024	UNIT 2 CHILDREN AND WOMENS IN SPORTS	STUDENTS WILL ABLE TO LEARN EXERCISE GUILDELINES FOR DIFFRENT AGE GROUPS AND DIFFRENT COMMON POSTURAL DEFORMITIES	STUDENTS WILL BE ABLE TO EXPLAIN THE COMMON POSTURAL DEFORMITIES AND THEIR CAUSES

6	8 to 13 April 2024	UNIT 2 CHILDREN AND WOMENS IN SPORTS	STUDENTS WILL ABLE TO LEARN WOMENS PARTICIPATION IN SPORTS- PHYSICAL, PSCHOLOGICAL AND SOCIAL BENIFITS.	STUDENTS WILL BE ABLE TO EXPLAIN PSYCHOLOGICAL AND SOCIAL BENEFITS TO PARTICIPATE IN SPORTS
7	15 to 20 April 2024	UNIT 2 CHILDREN AND WOMENS IN SPORTS	STUDENTS WILL ABLE TO LEARN SPECIAL CONSIDERATION (MENARCHE AND MENSTRUAL DYSFUNCTIONS)FEMALE ATLETES TRAIID(OSTEOPOROSISAMENORRHEA AND EATING DISORDERS)	STUDENTS WILL BE ABLE TO EXPLAIN ABOUT FEMALE ATHLETES TRIAD
8	22 to 30 April 2024	UNIT III YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASE	STUDENTS WILL ABLE TO LEARN OBESITY: PROCEDURE, BENEFITS & CONTRAINDICATIONS FOR TADASANA, KATICHA KRASANA, PAVANMUKTASANA, MATSAYASANA, HALASANA, PACHIMOTTANSANA, AND ARDHA – MATSYENDRASANA. DIABETES: PROCEDURE, BENEFITS & CONTRAINDICATIONS FOR KATICHA KRASANA, PAVANMUKTASANA, BHUJANGASANA, SHALABHASANA, DHANURASANA, PASCHIMOTTANASANA, ARDHA-MASTENDRASANA, MANDUKASANA, GOMUKASANA, MAKARASANA,	STUDENTS WILL ABLE TO UNDERSTAND THE IMPORTANCE OF YOGA AND PROCEDURE TO PERFORM DIFFRENT AASNAS AND THEIR BENIFITS AND CONTRAINDIACTIONS
		UNIT III YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASE	ASTHMA: PROCEDURE, BENEFITS & CONTRAINDICATIONS FOR TADASANA, URDHWAHASTOTTANSANA, UTTANMANDUKASANA, BHUJANGASANA, DHANURASANA, USHTRASANA, VAKRASANA, KAPALBHATI, GOMUKHASANAMATSYAASANA, ANULOMA-VILOMA. HYPERTENSION: PROCEDURE, BENEFITS & CONTRAINDICATIONS FOR TADASANA, KATICHA KRANSAN,	STUDENTS WILL ABLE TO UNDERSTAND THE IMPORTANCE OF YOGA AND PROCEDURE TO PERFORM DIFFRENT AASNAS AND THEIR BENIFITS AND CONTRAINDIACTIONS

			UTTANPADASANA, ARDHAHALASANA, SARALA MATYASANA, GOMUKHASANA, UTTANMANDUKASANA, VAKRASANA, BHUJANGASANA,	
9	15 to 22 June 2024	UNIT IV: PHYSICAL EDUCATION & SPORTS FOR CWSN (CHILDREN WITH SPECIAL NEEDS - DIVYANG)	ORGANIZATIONS PROMOTING DISABILITY SPORTS (SPECIAL OLYMPICS; PARALYMPICS)	STUDENTS WILL BE ABLE TO EXPLAIN ABOUT SPECIAL OLYMPIC AND PARALYMPICS IN DETAIL
10	24 to 29 June 2024	UNIT IV: PHYSICAL EDUCATION & SPORTS FOR CWSN (CHILDREN WITH SPECIAL NEEDS - DIVYANG)	DEAFLYMPICS	STUDENTS WILL BE ABLE KNOW ABOUT DEAFLYMPICS
11	1 June to 6 July 2024	UNIT IV: PHYSICAL EDUCATION & SPORTS FORCWSN (CHILDREN WITH SPECIAL NEEDS - DIVYANG)	ADVANTAGES OF PHYSICAL ACTIVITIES FOR CHILDREN WITH SPECIAL NEEDS. STRATEGIES TO MAKE PHYSICAL ACTIVITIES ASSESSABLE FOR CHILDREN WITH SPECIAL NEEDS.	STUDENTS WILL BE ABOUT TO EXPLAIN THE IMPORTANCE OF PHYSICAL ACTIVITES FOR CWSN
12	8 to 11 July 2024	REVISION		
13	12 to 22 July 2024	PA-I		
14	23 to 27 July 2024	UNIT V - SPORTS & NUTRITION	NUTRITIVE & NON-NUTRITIVE COMPONENTS OF DIET	STUDENTS WILL BE ABLE TO EXPLAIN THE DIFFRENCE BETWEEN NUTRITIVE AND NON NUTRITIVECOMPONETS OF DIET

15	29 to 03 July 2024	UNIT VI TEST & MEASUREMENT IN SPORTS	<p>FITNESS TEST – SAI KHELO INDIA FITNESS TEST IN SCHOOL: O AGE GROUP 5-8 YRS/ CLASS 1-3: BMI, FLAMINGO BALANCE TEST, PLATE TAPPING TEST</p> <p>O AGE GROUP 9-18YRS/ CLASS 4-12: BMI, 50MT SPEED TEST, 600MT RUN/WALK, SIT & REACH FLEXIBILITY TEST, STRENGTH TEST (ABDOMINAL PARTIAL CURL UP, PUSH-UPS FOR BOYS, MODIFIED PUSH-UPS FOR GIRLS).</p>	STUDENTS WILL BE ABLE TO PERFORM THE SAI KHELOINDIA FITNESS TEST
16	05 to 10 August 2024	UNIT VI TEST & MEASUREMENT IN SPORTS	<p>COMPUTING BASAL METABOLIC RATE (BMR) RIKLI & JONES - SENIOR CITIZEN FITNESS TEST</p>	STUDENTS WILL BE ABLE TO EXPLAIN WHY BMR IS CALCULATED AND HOW TO MEASURE THE FITNESS OF SENIOR CITIZEN
17	12 to 17 August 2024	UNIT VII PHYSIOLOGY & INJURIES IN SPORTS	PHYSIOLOGICAL FACTORS DETERMINING COMPONENTS OF PHYSICAL FITNESS	STUDENTS WILL BE ABLE TO EXPLAIN THE MEANING OF PHYSIOLOGY AND PHYSIOLOGICALFACTORS AFFECTING THE PHYSICAL FITNESS
18	19 to 24 August 2024	UNIT VII PHYSIOLOGY & INJURIES IN SPORTS	EFFECT OF EXERCISE ON MUSCULAR SYSTEM	STUDENTS WILL BE TO EXPLAIN THE EFFECTS OF EXERCISE ON MUSCULAR SYSTEM
19	26 to 31 August 2024	UNIT VII PHYSIOLOGY & INJURIES IN SPORTS	EFFECT OF EXERCISE ON CARDIO-RESPIRATORY SYSTEM	STUDENTS WILL BE TO EXPLAIN THE EFFECTS OF EXERCISE ON CARDIO RESPIRATORY SYSTEM

20	2 to 7 September 2024	UNIT VII PHYSIOLOGY & INJURIES IN SPORTS	SPORTS INJURIES: CLASSIFICATION (SOFT TISSUE INJURIES -ABRASION, CONTUSION, LACERATION, INCISION, SPRAIN & STRAIN; BONE & JOINT INJURIES - DISLOCATION, FRACTURES - GREEN STICK, COMMINUTED, TRANSVERSE OBLIQUE & IMPACTED)	STUDENTS WILL BE ABLE TO EXPLAIN THE DIFFRENT TYPES OF INJURIES IN SPORTS
21	9 to 16 September 2024	REVISION		
22	18 to 30 September 2024	TERM-I EXAMINATION		
23	01 to 10 October 2024	UNIT VIII BIOMECHANICS & SPORTS	FRICTION & SPORTS PROJECTILE IN SPORTS	STUDENTS WILL BE ABLE TO EXPALIN HOW FRITION IS USED IN SPORTS AND WHY IT IS IMPORTANT
		DUSSEHRA HOLIDAYS 11 AND 12 OCTOBER		
24	14 to 19 October 2024	UNIT IX PSYCHOLOGY & SPORTS	PERSONALITY; ITS DEFINITION & TYPES (JUNG CLASSIFICATION & BIG FIVE THEORY)	STUDENTS WILL BE ABLE TO EXPLAIN THE PERSONALITY AND ITS TYPES
26	21 to 28 October 2024	UNIT IX PSYCHOLOGY & SPORTS	MEANING, CONCEPT & TYPES OF AGGRESSIONS IN SPORTS	STUDENTS WILL BE ABLE TO EXPALIN THE IMPORTANCE AND TYPES OF AGGRESSIONS IN SPORTS
		DIWALI HOLIDAYS-29 TO 2 NOVEMBER		
27	04 to 09 November 2024	UNIT IX PSYCHOLOGY & SPORTS	PSYCHOLOGICAL ATTRIBUTES IN SPORTS – SELF ESTEEM, MENTAL IMAGERY, SELF TALK, GOAL SETTING	STUDENTS WILL BE ABLE TO EXPLAIN IMPORTANCE PSYCHOLOGICAL ATTRIBUTES IN SPORTS

28	18 to 23 November 2024	UNIT X TRAINING IN SPORTS	CONCEPT OF TALENT IDENTIFICATION AND TALENT DEVELOPMENT IN SPORTS	STUDENTS WILL BE ABLE TO EXPLAIN THE CONCEPT OF TALENT IDENTIFICATION
29	25 to 30 November 2024	UNIT X TRAINING IN SPORTS	INTRODUCTION TO SPORTS TRAINING CYCLE – MICRO, MESO, MACRO CYCLE.	STUDENTS WILL BE ABLE TO EXPLAIN WHAT IS MESO MICRO AND MACRO CYCLE HOW IT IS USED FOR SPORTS TRAINING
30	2 to 4 December 2024	UNIT X TRAINING IN SPORTS	TYPES & METHOD TO DEVELOP – STRENGTH, ENDURANCE AND SPEED/FLEXIBILITY	STUDENTS WILL BE ABLE TO EXPLAIN HOW TO DEVELOP STRENGTH ENDURANCE AN SPEED
31	5 to 17 December 2024	PA-III/PRE-BOARD-I	PA-III/PRE-BOARD-I	PA-III/PRE-BOARD-I
32	18 to 21 December 2024	REVISION	REVISION	REVISION
33	23 to 28 December 2024	REVISION	REVISION	REVISION
34	2 to 4 January 2025	REVISION	REVISION	REVISION
35	6 to 13 January 2025	REVISION	REVISION	REVISION
36	16 to 27 January 2025	PRE- BOARD-I/ PRE-BOARD-II	PRE- BOARD-I/ PRE-BOARD-II	PRE- BOARD-I/ PRE-BOARD-II

Subject:- Financial Market Management

Book Followed:- NCERT

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	Unit 1: Introduction to Indian Securities Market and Trading Membership 1.1 Market Segments 1.1.1 Primary Market 1.1.2 Secondary Market 1.2 Key Indicators of Securities Market 1.2.1 Index 1.2.2 Market Capitalization. 1.2.3 Market Capitalization Ratio 1.2.4 Turnover 1.2.5 Turnover Ratio	To enable students to: 1. Prepare a graph classifying components of Financial Market .2. Apply formula of key indicators to analyze the performance of the market.	Students will be able to: 1.Enumerate various needs of Security Market. 2. Calculate various key indicators of security Market and interpret the result thereof. 3. Identify the purpose of key indicators.
2	11 to 16 March 2024	Unit 1 :Introduction to Indian Securities Market and Trading Membership 1.3 Products and Participants 1.3.1 Products 1.3.2 Participants 1.4 Market Segments and their Products 1.5 Reforms in Indian Securities Markets · Creation of Market Regulator · Screen Based Trading · Reduction of Trading Cycle Equity Derivatives Trading ·Demutualization	To enable the students to - 1. Adapt various reforms in the Indian Security market for the smooth functioning. 2. Prepare list of various financial products available for channelizing funds. 3. Appreciate roles of participants in Indian Security market.	Students will be able to: 1. learn about the development of Indian Security Market due to various reforms. 2. Understand various products and participants.
3	18 to 23 March 2024	Unit 1 :Introduction to Indian Securities Market and Trading Membership 1.5 Reforms in Indian Securities Markets- Dematerialization· Clearing Corporation · Investor Protection · Globalization · Launch of India VIX · Direct Market Access · Launch of Securities Lending &Borrowing Scheme · Launch of Currency Futures · ASBA: Application Supported byBlocked Amount (ASBA) · Launch of Interest Rate Futures · Issue of Capital and DisclosureRequirements (ICDR) Regulations2009	To enable the students to - 1. Adapt various reforms in the Indian Security market for smooth functioning.2. Appreciate implementation of these reforms.	Students will be able to: 1. Highlight the factors affecting development of Indian Security Market. 2. Recall the dates and year in which various reforms were executed.

4	25 to 30 March 2024	Unit 2: Trading 2.1 Introduction 2.2 NEAT System 2.3 Market Types 2.4 Trading System Users Hierarchy 2.5 Local Database 2.6 Market Phases	To enable the students to - 1. Interpret the NEAT System with respect to trading procedure. 2. Experience various levels in the trading system. 3. Evoke various phases of market in a particular trading day. 4, Compute Indicative market equilibrium price with the available data.	The Student will be able to - 1. Understand various components of NEAT System. 2. Learn about hierarchies in the system. 3. Infer various benefits of Screen based trading system. 4. Understand method of calculating opening price.
5	1 to 6 April 2024	Unit 2: Trading 2.7 Logging On 2.8 Log Off / Exit from the Application 2.9 NEAT Screen	To enable the students to - 1. Recall the steps in logging on and off the system. 2. Infer the importance of various components of NEAT Screen.	The Student will be able to - 1. Understand requirements for logging on the screen. 2. Learn to use NEAT Screen..
6	8 to 13 April 2024	Unit 2: Trading 2.10 Invoking an Inquiry Screen Market Watch Security Descriptor Previous Trades Outstanding Orders Activity Log Order Status Snap Quote Market Movement Market Inquiry Auction Inquiry Security / Portfolio List Multiple Index Broadcast and Graph Online Backup Basket Trading Buy Back Trades	To enable the students to - 1. Invoke various enquiry screens as per the requirement. 2. List out features of a particular enquiry screen	The students will be able to: 1. Write features and purpose of all the enquiry screen .2. Understand the situation when particular screen to be accessed.
7	15 to 20 April 2024	Unit 2: Trading 2.10 Invoking an Inquiry Screen Snap Quote, Market Movement Market Inquiry, Auction Inquiry Security / Portfolio List Multiple Index Broadcast and Graph Online Backup, Basket Trading, Buy Back Trades	To enable the students to - 1. Invoke various enquiry screens as per the requirement. 2. List out features of a particular enquiry screen	The students will be able to: 1. Write features and purpose of all the enquiry screen. 2. Understand the situation when particular screen to be accessed.
8	22 to 30 April 2024	Unit 2: Trading 2.11 Order Managed on NEAT 2.11.1 Entering Orders 2.11.2 Order Modification 2.11.3 Order Cancellation 2.11.4 Order Matching 2.12 Internet Broking 2.13 Co-location 2.14 Wireless Application Protocol	To enable the students to - 1. Prepare a flow chart of order management. 2. Note down the data required for filling the information on the screen while giving order.	The students will be able to 1. Understand various steps in the order management. 2. Recall the sequence of order management.

9	15 to 22 June 2024	Unit 2: Trading " 2.11 Order Managed on NEAT 2.11.1 Entering Orders 2.11.2 Order Modification 2.11.3 Order Cancellation 2.11.4 Order Matching 2.12 Internet Broking 2.13 Co-location 2.14 Wireless Application Protocol	To enable the students to - 1. Prepare a flow chart of order management. 2. Note down the data required for filling the information on the screen while giving order.	The students will be able to 1. Understand various steps in the order management. 2. Recall the sequence of order management.
	PA 1 JUNE			
10	24 to 29 June 2024	Unit 3: "Clearing, Settlement and Legal Framework 3.1 Introduction 3.2 Key terminologies used in Clearing and Settlement Process 3.3 Transaction Cycle 3.4 Settlement Agencies 3.5 Clearing and Settlement Process 3.5.1 Clearing Process 3.5.2 Settlement Process 3.5.3 Settlement Cycle 3.6 Securities and Funds Settlement 3.6.1 Securities Settlement 3.6.2 Funds Settlement 3.7 Shortages Handling 3.7.1 Valuation Prices 3.7.2 Close-out Procedure"	To enable the students to - 1. Infer the roles of parties in clearing and settlement agencies. 2. Recall transaction cycle. 3. Prepare a concept map of post trading activities.	The students will be able to 1. Learn about different entities coordinating post trading activities. 2. Describe steps in the transaction cycle.
11	1 to 6 July 2024	Unit 3: "Clearing, Settlement and Legal Framework 3.5 Clearing and Settlement Process 3.5.1 Clearing Process 3.5.2 Settlement Process 3.5.3 Settlement Cycle 3.6 Securities and Funds Settlement 3.6.1 Securities Settlement 3.6.2 Funds Settlement 3.7 Shortages Handling 3.7.1 Valuation Prices 3.7.2 Close-out Procedure"	To enable the students to - 1. Appreciate tools available for the risk management. 2. Interpret the role of shortage handling, valuation debit and close out procedure in risk management. 3. Compute valuation price in case of shortage handling.	The students will be able to: 1. State various tools of risk management. 2. Deduce the importance of risk management procedure to safeguard the interest of the investors. 3. Learn the method of calculating Unit 3: "Clearing, Settlement and Legal Framework and valuation debit.
	8 to 11 July 2024	Revision for PA- 1		
	12 to 22 July 2024	PA-1		

12	23 to 27 July 2024	<p>3.9 Risk Management 3.9.1 Capital Adequacy Requirements 3.9.2 Margins 3.9.3 On-Line Exposure Monitoring 3.9.4 Off-line Monitoring 3.9.5 Index-based Market-wide Circuit Breakers/Price Bands for Securities 3.9.6 Settlement Guarantee Mechanism 3.10 International Securities Identification Number</p>	<p>To enable the students to - 1. Prepare a mind map of capital adequacy and margin. 2. Appreciate circuit breakers to curb the fluctuations. 3. Describe the structure if ISIN.</p>	<p>The students will be able to: 1. Infer the requirement of capital adequacy requirement and margin in risk management . 2. Recall various stages of Circuit breakers. 3. Understand the formation of ISIN.</p>
13	29 July to 3 August 2024	<p>Unit 3: "Clearing, Settlement and Legal Framework 3.11 SEBI (Intermediaries) Regulations,2008 3.12 SEBI (Prohibition of Insider Trading) Regulations,2015 3.12.1 Prohibition on Dealing, Communicating or Counseling (Chapter) 3.12.2 Investigation (Chapter III) 3.12.3 Disclosures and Internal Procedure for Prevention of Insider Trading 3.13 SEBI (Prohibition of fraudulent and Unfair Trade Practices relating to securities market) Regulations, 2003 3.13.1 Prohibition of Certain Dealings in Securities 3.13.2 Prohibition of Manipulative, Fraudulent and Unfair Trade Practices 3.14 The Depositories Act, 1996</p>	<p>To enable the students to - 1. Recall regulations for the compliance of legal framework. 2. Discuss consequences of avoidance of regulations. 3. Display a Role Play on Insider Trading, Presentation on Unfair Trade Practices.</p>	<p>The students will be able to: 1. Infer regulations related to SEBI, Insider trading, Price rigging and other unfair trade practices. 2. Discuss the ways to prohibit various unfair trade practices. 3. Write a short note on legal requirements.</p>
14	5 to 10 August 2024	<p>Unit 3: "Clearing, Settlement and Legal Framework 3.11 SEBI (Intermediaries) Regulations,2008 3.12 SEBI (Prohibition of Insider Trading) Regulations,2015 3.12.1 Prohibition on Dealing, Communicating or Counseling (Chapter) 3.12.2 Investigation (Chapter III) 3.12.3 Disclosures and Internal Procedure for Prevention of Insider Trading 3.13 SEBI (Prohibition of fraudulent and Unfair Trade Practices relating to securities market) Regulations, 2003 3.13.1 Prohibition of Certain Dealings in Securities 3.13.2 Prohibition of</p>	<p>To enable the students to - 1. Recall regulations for the compliance of legal framework. 2. Discuss consequences of avoidance of regulations. 3. Perform Role Play on Insider Trading, Presentation on Unfair Trade Practices.</p>	<p>The students will be able to: 1. Infer regulations related to SEBI, Insider trading, Price rigging and other unfair trade practices. 2. Discuss the ways to prohibit various unfair trade practices 3. Write a short note on legal requirements.</p>

		Manipulative, Fraudulent and Unfair Trade Practices 3.14 The Depositories Act, 1996		
15	12 to 17 August 2024	Unit 5: Introduction to Derivatives 5.1 Types of Derivative Contracts 5.2 Basic Derivatives 5.3 History of Financial Derivatives Markets 5.4 Participants in a Derivative Market 5.5 Economic Function of the Derivative Market"	To enable the students to - 1. Introduce the ways by which risks can be hedged. 2. Define various derivative contracts . 3. Classify various types of participants in the future contract.	The students will be able to: 1. Understand the concept of risk mitigation with the use of derivatives. 2. Elucidate the origin of Derivative contract. 3.
16	19 to 24 August 2024	5.6 Understanding Interest Rates 5.7 Understanding the Stock Index 5.8 Economic Significance of Index Movements 5.9 Index Construction 5.10 Desirable Attributes of An Index 5.11 Applications of index	To enable the students to - 1. Form a strategy using stock index. 2. Express the utility of index movement.	The students will be able to: 1. Construct a strategy using stock market index. 2. Compute the payoff and construct a graph for the strategy.
17	26 to 31 August 2024	Employability Skills: Communication Skills 1. Importance of active listening at workplace 2. Steps to active listening 3. Parts of Speech 4. Writing skills\ 5. Barriers to effective communication	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. 3. Demonstrate various barriers to effective communication with the help of a role play.	1. Communicate effectively and persuasively while dealing with various participants in the financial market. 2. Understand types of communication barriers 3. Suggest measures to overcome barriers to communication.
	2 to 7 Sept.2024	Revision		
	9 to 16 Sept.2024	Revision		
	18 to 30 Sept.2024	Term I Examination		

18	1 to 10 October 2024	<p>Employability Skills: Entrepreneurship Skills</p> <ol style="list-style-type: none"> 1. Concept of entrepreneur, entrepreneurship and enterprise 2. Behavioral and entrepreneurial competencies 3. Barriers to becoming entrepreneur – 	<p>Enable students to:</p> <ol style="list-style-type: none"> 1. Collect small story/ anecdote of prominent successful entrepreneur and identify competencies they own. 2. Demonstrate the knowledge of self assessment of behavioral competencies 3. List out ways that can hinder the growth of an entrepreneur 4. Suggest ways to overcome those barriers. 5. Develop business acumen and entrepreneurial skills for financial markets 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept of entrepreneurship 2. Identify the general and entrepreneurial behavioral competencies 3. Discuss various hurdles exposing risk to entrepreneurship. 4. Identify ways to remove barriers
	11 and 12 October 2024	Dussehra Holiday		
19	14 to 19 October 2024	<p>Unit 4: Financial Statement Analysis. "Financial Statement Analysis 4.1 CONCEPTS & MODES OF ANALYSIS 4.1 .1 What is Simple Interest? 4.1.2 What is Compound Interest 4.1.3 What is meant by the Time Value of Money? 4.1.4 How to go about systematically analyzing a company? "</p> <p>4.2 Ratio Analysis 4.2.1 Liquidity ratios 4.2.2 Leverage/Capital structure Ratios 4.2.3 Profitability Ratio</p> <p>4.2 Ratio Analysis 4.2.1 Liquidity ratios 4.2.2 Leverage/Capital structure Ratios 4.2.3 Profitability Ratio</p>	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Apply the concept of time value of money to evaluate securities.. 2. Comment upon the undervalued and overvalued securities. 3. Compute different financial ratios 4. Interpret and analyze the financial position of a companies 5. Comment upon profitability and solvency of a company. 	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Infer the benefits of compounding. 2. Understand the concept of time value of money. 3. Correlate time value of money with the valuation of securities. 4. Understand various ratios required to judge the financial position of a company. 2. Learn method of technical and financial analysis
20	21 to 28 October 2024	<p>Unit 6: Future Contracts, Mechanism and Pricing</p> <ol style="list-style-type: none"> 6.1 Forward 6.2 Limitations of Forward Markets 6.3 Introduction to Futures 6.4 Distinction between Futures and Forwards Contracts 6.5 Futures Terminology 	<p>To enable the students to -</p> <ol style="list-style-type: none"> 1. Define forward and future contracts. 2. Differentiate between future and forward contracts 3. Recall various terminologies related to future contracts. 	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Draw a flow chart depicting types of derivative contracts/ 2. Compare and contrast future and forward contracts.
	29 Oct to 2 Nov 2024	Diwali Holiday		

21	4 November to 9 November 2024	Unit 6:Future Contracts, Mechanism and Pricing 6.6 Trading Underlying Vs. Trading Single Stock Future 6.7 Futures Payoffs 6.8 Pricing Futures 6.8.1 Price equity index future 6.8.2 Price equity index future with dividend amount 6.8.3 Price equity index future with dividend yield 6.8.4 Price stock future 6.8.5 Price stock future with no dividend 6.8.6 Price stock future with dividend expected	To enable the students to - 1. Construct future payoff table and draw the graph. 2. Relate to spot market price and cost of carry logic. 3. Determine the price of future contract in different situation.	The students will be able to: 1. Calculate payoff of future contracts. 2. Understand the method of pricing future contract. 3. Investigate the point and condition in which future price converge with the spot price.
22	11to 16 November 2024	Unit 6:Future Contracts, Mechanism and Pricing 6.9 Understanding Beta (β) 6.10Numerical Illustration of Applications of Stock Futures 6.10.1 Hedging : Long securities , sell future 6.10.2 Speculation : Bullish securities , Buy future 6.10.3 Speculation : Bearish securities , sell future 6.10.4 Arbitrage: Overpriced future , Buy Spot , sell future 6.10.5 Arbitrage : Underpriced future , Buy future , sell spot 6.11 Hedging using Stock Index Futures 6.11.1 Selling index Future	To enable the students to - 1. Draw a graph showing hedging, speculation and arbitrage strategies. 2. Calculate pay off in hedging, speculation and arbitrage strategies .3. Interpret the result of hedging, speculation and arbitrage strategies 4. Check the validity of hedging, speculation and arbitrage strategies.	The students will be able to: 1. Identify overpriced and underpriced future contract. 2. Assess the suitability of an appropriate action plan during bearish and bullish market. 3. Calculate the value of derivative contracts.

23	18 to 23 November 2024	Unit 6:Future Contracts, Mechanism and Pricing Speculation : Bullish Security , buy call , sell put 6.15.3 Speculation : Bearish security , sell call, buy put 6.15.4 Bull Spread 6.15.5 Bear Spread	To enable the students to - 1.Draw a graph showing payoff in Bullish Security , buy call , sell put and Bearish security , sell call, buy put 2. Calculate pay off in Bullish Security , buy call , sell put and Bearish security , sell call, buy put 3.Interpret the result of Bullish Security , buy call , sell put and Bearish security , sell call, buy put 4. Check the validity of Bullish Security , buy call , sell put and Bearish security , sell call, buy put 5. Draw a graph showing payoff Bull Spread and bear spread 6.Construct a Bull and bear spread and calculate its payoff.	The students will be able to: 1.identify the situation when to adopt Bullish Security , buy call , sell put . 2.Identify the situation when to adopt Bearish security , sell call, buy put 3. Appreciate the use of Bull spread and bear spread in limiting the extreme risk.
	25 to 30 Nov 2024	REVISION	REVISION	REVISION
	02 to 04 Dec 2024	REVISION	REVISION	REVISION
30	5 to 17 Dec 2024	Pre- Board I	Pre- Board I	Pre- Board I
	18 to 21 Dec 2024	REVISION	REVISION	REVISION
31	23 to 28 Dec 2024	REVISION	REVISION	REVISION
32	2 to 4 Jan 2025	REVISION	REVISION	REVISION
33	6 to 13 Jan 2025	REVISION	REVISION	REVISION
34	16 to 27 Jan 2025	Pre- Board II	Pre- Board II	Pre- Board II

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

S.No.	Month/ Week	Lesson to be taught	Learning Objects	Learning Outcomes
1	1 to 9 March 2024	Unit 1: Entrepreneurial Opportunity	Enable the students to: 1.Sensing the Entrepreneurial Opportunities, 2. Illustrate the Environment Scanning	Students will be able to : 1. Comprehensive the concept and elements of business opportunity, 2. Discuss the process of sensing opportunities.
2	11 to 16 March 2024	Unit 1: Entrepreneurial Opportunity	Enable the students to: 1. Explain how to Problem Identification 2. Explain about Idea fields	Students will be able to : 1. Connect with the need to scan the environment, 2. Enlist the various forces affecting business environment 3. Identify the different idea field.
3	18 to 23 March 2024	Unit 1: Entrepreneurial Opportunity	Enable the students to: 1. Knowledge about Spotting Trends, 2. Know about the meaning of Creativity and Innovation	Students will be able to : 1. Sympathize the concept of opportunity and market assessment
4	25 to 30 March 2024	Unit 1: Entrepreneurial Opportunity	Enable the students to: 1. Analysis about the Selecting of Right Opportunity	Students will be able to: 1. Appreciate the ways in which trends can be spotted 2. Understand the process of creativity and innovation 3 Transform ideas into business opportunities
5	1 April to 6 April 2023	Unit 2: Entrepreneurial Planning	Enable the students to: 1. Explanation about Forms of business organization- Sole proprietorship, Partnership, Company	Students will be able to: 1. Recall the meaning of the various forms of business organization 2. Know the characteristics of the various forms of business organization, 3. Understand the difference between a Public and Private Company , 4. Appreciate the reasons for a private company being more desirable.

6	8 to 13 April 2024	Unit 2: Entrepreneurial Planning	Enable the students to: 1. Interpretation of Business Plan: 2. Know about the concept and format of business plan.	Students will be able to : 1. Appreciate the concept and importance of a Business Plan, 2. Describe the various components of Business plan
7	15 to 20 April 2024	Unit 2: Entrepreneurial Planning	Enable the students to: 1. Relate the Components of Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource plan	Students will be able to : 1. Differentiate among the various components of Business plan and Develop a Business Plan
8	22 to 30 April 2024	Unit 2: Entrepreneurial Planning	Enable the students to: 1. Relate to the Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource plan	Students will be able to : 1. Differentiate among the various components of Business plan and Develop a Business Plan
9	15 to 22 June 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Demonstrate the Marketing and Sales Strategy	Students will be able to : 1. Discuss the various marketing strategies used in a business 2. Explanation of Marketing Mix., 3. Understand the concept of Branding, Packaging and Labeling
10	24 to 29 June 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Demonstrate the Marketing and Sales Strategy	Students will be able to : 1. Comprehension the various methods of Pricing, 2. Discuss the various factors affecting the channels of distribution ,
11	01 July to 06 July 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Recognise about the Branding, Logo, Tagline	Students will be able to : 1. Analysis the concept and types of sales strategy
12	01 to 06 July 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Recognise about the Promotion Strategy	Students will be able to : 1. Discuss about the different tools of promotion
13	01 to 06 July 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Recognise about the Promotion Strategy	Students will be able to : 1. Appreciate the objectives and different modes of Advertising
	PA 1 Revision -08 to 11 JULY	Revision for PA I	Revision for PA I	Revision for PA I
	PA 1 – 12 to 22 July 2024	PA 1 Exam 12 to 22 July 2024	PA 1 Exam 12 to 22 July 2024	PA 1 Exam 12 to 22 July 2024

14	23 to 27 July 2024	Unit 3: Enterprise Marketing	Enable the students to: 1. Recognise about the Promotion Strategy	Students will be able to : 1. Outline the concept of personal selling, sales promotion, public relations 2. Discuss the various techniques of sales promotion
15	29 July to 03 Aug 2024	Unit 4: Enterprise Growth Strategies	Enable the students to: 1. : Account for Franchising: Concept and types	Students will be able to : 1. Elucidate the concept of growth & development of an enterprise
16	5 to 10 Aug 2024	Unit 4: Enterprise Growth Strategies	Enable the students to: 1. : Account for Franchising: Concept and types	Students will be able to : 1. Elucidate the concept of growth & development of an enterprise
17	12 to 17 August 2024	Unit 4: Enterprise Growth Strategies	Enable the students to: 1. Justify the meaning of Franchising, Advantages and limitations to franchisor and franchisee	Students will be able to : 1. Discuss the concept, types, advantages and limitations of franchising
18	19 to 24 August 2024	Unit 4: Enterprise Growth Strategies	Enable the students to: 1. Generalise the Concept, reasons and types of Mergers and Acquisition.	Students will be able to : 1. Appreciate the growth of business through mergers and acquisitions 2. Discuss the different types of mergers and acquisitions
19	26 to 31 August 2024	Unit 4: Enterprise Growth Strategies	Enable the students to: 1. Know about the reasons for mergers and acquisitions	Students will be able to : 1. Elaborate and discuss the reasons for mergers and acquisitions
20	26 to 31 August 2024	Unit 6: Resource Mobilization	Enable the students to: 1. Elucidate the concept of Capital Market	Students will be able to : 1. Understand the need of finance in Business , 2. Discuss the various sources of funds required for a firm
21	26 to 31 August 2024	Unit 6: Resource Mobilization	Enable the students to: 1. Elucidate the concept of Capital Market	Students will be able to : 1. Indicate the need of finance in Business 2. Discuss the various sources of funds required for a firm
22	26 to 31 August 2024	Unit 6: Resource Mobilization	Enable the students to: 1. Elucidate the Primary market: Concept, methods of issue	Students will be able to : 1. formulate the ways of raising funds in primary market

23	26 to 31 August 2024	Unit 6: Resource Mobilization	Enable the students to: 1. Elucidate the Primary market: Concept, methods of issue	Students will be able to : 1. formulate the ways of raising funds in primary market
	TERM- I Revision SEPT 02 – 07	Term 1 revision	Term 1 exam revision	Term 1 exam revision
	09- 16 Sept 2024	Revision	Revision	Revision
	Term- I Exam 18- 30 Sept 2024	Term- I Exam 18- 30 Sept 2024	Term- I Exam 18- 30 Sept 2024	Term- I Exam 18- 30 Sept 2024
24	01 to 10 Oct 2024	Unit 6: Resource Mobilization	Enable the students to: 1. Know about the concept of Angel Investor & Features	Students will be able to : 1. Appreciate the Angel Investors and Venture Capitalists as a source of business finance.
		Dussehra break 11- 12 Oct 2024		
26	14 to 19 Oct 2024	Unit 5: Business Arithmetic	Enable the students to: 1. Emphathize the concept of Unit of Sale, Unit Cost for multiple products or services	Students will be able to : 1. Differentiate the concept of Unit Cost and Unit Price
27	21 to 28 Oct 2024	Unit 5: Business Arithmetic	Enable the students to: 1. Explanation about Break even Analysis for multiple products or services	Students will be able to : 1. Calculate Break-even point for Multiple products and services.
		Diwali break 29 Oct. -02 Nov 2024.		
28	04 to 09 Nov 2024	Unit 5: Business Arithmetic	Enable the students to: 1 . Computation of Working Capital	Students will be able to : 1. Compute the working capital of a business.
29	11 to 16 Nov 2024	Unit 5: Business Arithmetic	Enable the students to: 1. Calculate the Inventory Control and EOQ	Students will be able to : 1. Application of Inventory Control
30	18 to 23 Nov 2024	Unit 5: Business Arithmetic	Enable the students to: 1. Calculate the Inventory Control and EOQ	Students will be able to : 1. Application of Inventory Control
31	18 to 23 Nov 2024	Unit 5: Business Arithmetic	Enable the students to: 1. Calculation of Return on Investment (ROI) and Return on Equity (ROE)	Students will be able to : 1. Calculate Return on Investment; Return on Equity and Economic Order Quantity
32	25 to 30 Nov 2024	Revision - Theory	Revision - Theory	Revision - Theory

33	2 to 4 Dec 2024	Revision - Theory	Revision - Theory	Revision - Theory
34	2 to 4 Dec 2024	Revision -	Revision -	Revision -
35	05 to 17 Dec 2024	Pre- Board - I	Pre- Board - I	Pre- Board - I
36	18 to 21 Dec 2024	Revision	Revision	Revision
37	23 to 28 Dec 2024	Revision	Revision	Revision
38	02 to 04 Jan 2025	Revision	Revision	Revision
39	06 to 13 Jan 2025	Revision	Revision	Revision
40	16 to 27 Jan 2025	Pre – Board II	Pre – Board II	Pre – Board II

Subject - Hindustani Music

Book Followed - Sangeet Visharad

S.No.	Month/ Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 31 March 2024	1.1 Brief study of the following – Alankar, Kan, Meend, Khatka, Murki, Gamak 1.2 Brief study of the following – Gram, Murchhana, Alap, Tana	To enable students to have a clear technique for singing process	Students will be able to have a clear technique for singing process
2	1 to 30 April 2024	2.1 Historical development of Time Theory of Ragas 2.2 Study of Raga Bhairav	To enable students to learn about Ragas	Students will be able to learn about Ragas
3	15 to 30 June 2024	3.1 Detailed study of the following – Sangeet Ratnakar, Sangeet Parijat 3.2 Study of Raga Bhairav Vilambit 3.3 One Vilambit Khayal with simple elaborations and few Tanas in any two of the prescribed Ragas	To teach students about Sangeet Shastra	Students will be able to learn about Sangeet Shastra
4	1 to 31 July 2024	4.1 Life sketch and contribution of Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Rao, Shankar Pandit 4.2 Study of Raga Bageshri	To teach students about Sangeetkaar	Students will learn about Sangeetkaar
5	1 to 31 August 2024	5.1 Description of prescribed Talas along with Tala notation with Thah, Dugun, Tigon and Chauhan Jhaptala Rupak Dhamar 5.2 Tuning of Tanpura 5.3 Raga Bageshri, Bandish and Tana	To teach students about Thekas in different Laya	Students will be able to learn about Thekas in different Laya

6	1 to 30 Sept 2024	6.1 Critical study of prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Shuddha Sarang 6.2 Study of Raga Malkauns 6.3 One Tarana and one Dhamar with Dugun and Chaugun in any one of the prescribed Ragas.	To teach students different Gayakis	Students will learn about different Gayakis
7	1 to 31 Oct 2024	7.1 Raga Malkauns, Bandish, Sargam geet, Tana Alaap	To enable students to learn about Ragas	Students will be able to learn about Ragas
8	1 to 30 Nov 2024	8.1 Recitation of the Thekas of Jhaptala, Rupak and Dhamak with Dugun and Chaugun, keeping Tala with handbeats 8.2 Ability to recognize the Ragas from the phases of swara rendered by the examiner	To enable students identification of Taal and Swar	Students will be able to identification of Taal and Swar
9	1 to 31 Dec 2024	Revision of Ragas		.
10	1 to 31 Jan 2025	Revision of Dhrupad Dhamar Tarana		
11	1 to 28 Feb 2025	Revision + Exams		

Subject:- Political Science

Book Followed:- NCERT - Text Book of Political Science . Part I & II

S.No.	Month/Week	Lesson to be taught	Learning Objectives	Learning Outcomes
1	1 to 9 March 2024	The End of Bipolarity Topics to be focused: a) The Soviet System b) Gorbachev and the disintegration c) Causes and Consequences of disintegration of Soviet Union d) Shock Therapy and its Consequences e) New entities in world politics <input type="checkbox"/> Russia <input type="checkbox"/> Balkan States <input type="checkbox"/> Central Asian States f) India's relations with Russia and other post-communist countries	Historical facts and processes of formation of Soviet Union. <input type="checkbox"/> Causes and consequences of the Disintegration of the Soviet Union <input type="checkbox"/> Shock Therapy and its consequences. <input type="checkbox"/> Tensions and Conflicts which occurred in the former Soviet Republics. <input type="checkbox"/> Relationship between India and the post-communist countries	After completion of the chapter, Students will be able to: <input type="checkbox"/> Identify the basic features of the Soviet System. <input type="checkbox"/> Discuss the background and outcome of disintegration of the Soviet Union. <input type="checkbox"/> Examine the consequences of unipolar world <input type="checkbox"/> Assess the features of Shock Therapy <input type="checkbox"/> Probe into the recent happenings in the Post-Communist Countries. <input type="checkbox"/> Trace the developments between India& Russia
2	11 to 16 March 2024	Contemporary Centres of Power Topics to be focused: a) European Union b) Association of Southeast Asian Nations c) Rise of China as an economic power d) Japan and South Korea as emerging powers	Alternative centres of power. <input type="checkbox"/> European Union and ASEAN as alternative centres of power. <input type="checkbox"/> Economic rise of China and its impact on world politics. <input type="checkbox"/> Relations of India with China	Compare and contrast the importance of European Union and ASEAN. <input type="checkbox"/> Evaluate the extent of rise of Chinese economy and its impact on world politics. <input type="checkbox"/> Summarize India's relations with China.

3	18 to 23 March 2024	Contemporary South Asia Topics to be focused: a) Military and Democracy in Pakistan and Bangladesh b) Monarchy and Democracy in Nepal c) Ethnic Conflict and Democracy in Sri Lanka d) India-Pakistan Conflicts e) India and its Neighbours f) Peace and Cooperation	Important events in World History <input type="checkbox"/> Need for formation of International Organizations <input type="checkbox"/> Functioning of International Organizations <input type="checkbox"/> Organs and agencies of the United Nations <input type="checkbox"/> Need for reforms in the changing world <input type="checkbox"/> United Nations in a unipolar world	After completion of the chapter, Students will be able to: <input type="checkbox"/> Define International Organization <input type="checkbox"/> Appreciate the role of United Nations and its agencies <input type="checkbox"/> Reflect on the events taking place in the post-cold war era <input type="checkbox"/> Understand the need for reforms in the United Nations
4	25 March -30 March 2024	h) Key Agencies: IMF, World Bank, WTO, ILO, IAEA. i) NGO: Amnesty International, Human Rights Watch. j) Implications and Future of International Organizations	Continue as given above	Continue as given above
5	1 April to 6 April 2024	Security in the Contemporary World Topics to be focused: a) Meaning and Type of Security. b) Traditional concept of security c) Non-tradition notions of Security. d) New Sources of Threats e) Cooperative Security f) India's Security strategy	Meaning, nature and types of security <input type="checkbox"/> External and Internal notions of security <input type="checkbox"/> Emerging challenges of new Threats-Human rights, terrorism, migration, health, epidemics <input type="checkbox"/> Need for Cooperative security <input type="checkbox"/> Components of India's security strategy	Recognize the causes of security threats <input type="checkbox"/> Enhance analytical skills to provide solutions to security concerns. <input type="checkbox"/> Develop critical thinking about the role of various stakeholders in ensuring security today.

6	8 to 13 April 2024	Continue as given above		
7	15 to 20 April 2024			
5	22 to 30 April 2024	Environment and Natural Resources Topics to be focused: a) Environmental Concerns b) Global Commons c) Common but differentiated Responsibilities d) India's Stand on Environment Issues e) Environmental Movements	Environmental issues <input type="checkbox"/> Global commons <input type="checkbox"/> Responsibilities of developed and developing countries towards the conservation of the environment <input type="checkbox"/> Efforts taken by India at resource conservation and sustainable development	Enlist and explain the facts related to global environmental issues <input type="checkbox"/> Recognize and understand the need to conserve critical resources <input type="checkbox"/> Demonstrate knowledge
6	15 To 22 June 2024	f) Resource Geopolitics g) Rights of Indigenous peoples	Need to conserve critical resources like oil and water <input type="checkbox"/> Environmental movements <input type="checkbox"/> Concerns of indigenous communities, the role of governments and international organizations in protecting their rights.	and appreciation towards India's responsibility in protecting environment <input type="checkbox"/> Realize the need to conserve resources and exhibit responsibility towards prudent use to facilitate sustainable development <input type="checkbox"/> Know about the nature of concerns of indigenous communities and understand how the governments of different countries respond to their
7	24 June -29 June 2024	Globalisation Topics to be focused: a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization	Concept of Globalisation. <input type="checkbox"/> Causes of Globalisation. <input type="checkbox"/> Political, economic, and cultural consequences of Globalisation. <input type="checkbox"/> Impact of Globalisation on India.	Appreciate the significance of Globalization <input type="checkbox"/> Elucidate the political, economic, and cultural dimensions of Globalisation. <input type="checkbox"/> Critically evaluate the impact of globalisation on India.

		e) India and resistance to globalisation	<input type="checkbox"/> Resistance to globalisation and its future course.	
8	1 to 6 July 2024	<p>Politics of Planned Development Topics to be focussed:</p> <p>a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission</p> <p>b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation</p>	<p>Nature of conflict in achieving the twin objectives of economic growth and socio-economic justice.</p> <p><input type="checkbox"/> Two models of development</p> <p><input type="checkbox"/> Design or plan of development.</p> <p><input type="checkbox"/> Emergence aims and objectives of the first two five-year plans.</p> <p><input type="checkbox"/> Replacement of Planning Commission by National Institution for Transforming India (NITI Aayog)</p>	<p>Identify the varied option considered by the government to balance growth and socio-economic justice.</p> <p><input type="checkbox"/> Know the difference between Left and Right Ideology</p> <p><input type="checkbox"/> Understand the need for the formation of the Planning Commission.</p> <p><input type="checkbox"/> Appreciate the need for strategic long-term development programme and policies</p>
9	8 to 11 July 2024	<p>Topics to be focused:</p> <p>a) Challenges for the new Nation. <input type="checkbox"/> Three Challenges.</p> <p>b) Partition: Displacement and Rehabilitation. <input type="checkbox"/> Consequences of Partition.</p> <p>c) Integration of Princely States. <input type="checkbox"/> The problem <input type="checkbox"/> Government's approach <input type="checkbox"/> Hyderabad <input type="checkbox"/> Manipur</p> <p>d) Reorganisation of States</p>	<p>Nature and challenges of Nation building</p> <p><input type="checkbox"/> Causes and consequences of Partition of India.</p> <p><input type="checkbox"/> Process of integration of princely states</p> <p><input type="checkbox"/> Important role of Sardar Vallabhai Patel in the integration of princely states</p> <p><input type="checkbox"/> Reorganisation of states</p>	<p>Analyse the challenges which Independent India faced.</p> <p><input type="checkbox"/> Describe the factors that led to the partition of India.</p> <p><input type="checkbox"/> Explain the circumstances under which different princely states signed the Instrument of Accession.</p> <p><input type="checkbox"/> Assess how language became the basis of reorganisation of the states.</p> <p><input type="checkbox"/> Evaluate the role played by leaders in Nation Building.</p>

10	12 July to 22 July 2024	PA 1 Exam 12 to 22 July 2024	PA 1 Exam 12 to 22 July 2024	PA 1 Exam 12 to 22 July 2024
11	23 July to 27 July 2024	<p>Politics of Planned Development Topics to be focussed: a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation</p>	<p>Nature of conflict in achieving the twin objectives of economic growth and socio-economic justice.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Two models of development <input type="checkbox"/> Design or plan of development. <input type="checkbox"/> Emergence aims and objectives of the first two five-year plans. <input type="checkbox"/> Replacement of Planning Commission by National Institution for Transforming India (NITI Aayog) 	<p>Identify the varied option considered by the government to balance growth and socio-economic justice.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Know the difference between Left and Right Ideology <input type="checkbox"/> Understand the need for the formation of the Planning Commission. <input type="checkbox"/> Appreciate the need for strategic long-term development programme and policies
12	28 July to 3 August 2024	<p>India's External Relations Topics to be focussed: a) International Context b) The Policy of Non-Alignment. <input type="checkbox"/> Nehru's role <input type="checkbox"/> Distance from two camps. <input type="checkbox"/> Afro Asian Unity c) Peace and conflict with China <input type="checkbox"/> The Chinese Invasion 1962 <input type="checkbox"/> War and Peace with Pakistan <input type="checkbox"/> Bangladesh War 1971 d) India's Nuclear Policy.</p>	<p>Objectives and Principles of India's foreign policy</p> <ul style="list-style-type: none"> <input type="checkbox"/> India's role as a founder of NAM and in forging Afro-Asian unity <input type="checkbox"/> Sino-Indian relationship – Pre and post 1962 invasion and its profound impact on Indian politics <input type="checkbox"/> India-Pakistan relationship since independence <input type="checkbox"/> Components of India's nuclear policy <input type="checkbox"/> Shifting alliances in World Politics 	<p>Recognise the significance of NAM</p> <ul style="list-style-type: none"> <input type="checkbox"/> Interpret, compare and contrast multi-lateral aspects of Indo-China relationship <input type="checkbox"/> Demonstrate knowledge on Indo-Pak wars <input type="checkbox"/> Appreciate the steps taken by Indian government to develop military capacity <input type="checkbox"/> Reflect and introspect on the choices that the country must consider for the cause of development and peace building

13	5 August to 10 August 2024	Challenges to and Restoration of the Congress System Topics to be focused: a) Challenge of Political Succession <input type="checkbox"/> From Nehru to Shastri	Challenge of Political Succession after Nehru <input type="checkbox"/> Split in Congress and opposition unity	Understand the challenges of political succession after Nehru. <input type="checkbox"/> Evaluate the opposition
14	12 August to 17 August 2024	<input type="checkbox"/> From Shastri to Indira Gandhi b) Fourth General Election 1967 <input type="checkbox"/> Context of the Election. <input type="checkbox"/> Non Congressism <input type="checkbox"/> Electoral Verdict <input type="checkbox"/> Coalitions <input type="checkbox"/> Defections c) Split in the Congress <input type="checkbox"/> Indira vs the Syndicate <input type="checkbox"/> Presidential Election 1969 d) The 1971 Election and Restoration of Congress <input type="checkbox"/> The outcome and after <input type="checkbox"/> Restoration	New Congress led by Indira Gandhi <input type="checkbox"/> Restoration of the Congress system.	unity and the Congress split as a challenge to Congress dominance. <input type="checkbox"/> Compare and contrast the new Congress and the old Congress. <input type="checkbox"/> Summarize the initiatives taken by Indira Gandhi to overcome the challenges faced by her <input type="checkbox"/> Analyze the process of restoration of the Congress system
15	19 August to 24 August 2024	Challenges to and Restoration of the Congress System Topics to be focused: a) Challenge of Political Succession <input type="checkbox"/> From Nehru to Shastri From Shastri to Indira	Economic conditions before Emergency. <input type="checkbox"/> Gujarat and Bihar movements. <input type="checkbox"/> Conflict between Executive and Judiciary. <input type="checkbox"/> Consequences of	Understand the causes and consequences of Emergency <input type="checkbox"/> Examine the lessons of Emergency <input type="checkbox"/> Evaluate the rule of Janata

		<p>Gandhi</p> <p>b) Fourth General Election 1967</p> <ul style="list-style-type: none"> <input type="checkbox"/> Context of the Election. <input type="checkbox"/> Non Congressism <input type="checkbox"/> Electoral Verdict <input type="checkbox"/> Coalitions <input type="checkbox"/> Defections <p>c) Split in the Congress</p> <ul style="list-style-type: none"> <input type="checkbox"/> Indira vs the Syndicate <input type="checkbox"/> Presidential Election 1969 <p>d) The 1971 Election and Restoration of Congress</p> <ul style="list-style-type: none"> <input type="checkbox"/> The outcome and after <input type="checkbox"/> Restoration? 		
16	26 August to 31 August 2024	<p>Era of One-Party Dominance</p> <p>Topics to be focussed:</p> <p>a) Challenge of building democracy</p>	<p>Challenge of establishing democracy in India.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Process of ensuring free and fair Elections. 	<p>Appreciate the sustenance of democratic politics in the country</p>
17	2 September to 7 September 2024	<p>The Crisis of Democratic Order</p> <p>Topics to be focused:</p> <p>a) Background to Emergency.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Economic Context. <input type="checkbox"/> Gujarat and Bihar Movements <input type="checkbox"/> Conflict with Judiciary <p>b) Declaration of Emergency</p>	<p>Economic conditions before Emergency.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gujarat and Bihar movements. <input type="checkbox"/> Conflict between Executive and Judiciary. <input type="checkbox"/> Consequences of 	<p>Understand the causes and consequences of Emergency</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examine the lessons of Emergency <input type="checkbox"/> Evaluate the rule of Janata

18	9 to 16 September 2024			
19	18 Sep to 30 Sep 2024			
20	1 Oct to 10 Oct 2024			
21	11 Oct to 14 Oct 2024	<p>The Crisis of Democratic Order Topics to be focused:</p> <p>a) Background to Emergency. <input type="checkbox"/> Economic Context. <input type="checkbox"/> Gujarat and Bihar Movements <input type="checkbox"/> Conflict with Judiciary</p> <p>b) Declaration of Emergency Emergency. <input type="checkbox"/> Lessons of Emergency. <input type="checkbox"/> Lok Sabha Elections-1977.</p>	<p>Economic conditions before Emergency.</p> <input type="checkbox"/> Gujarat and Bihar movements. <input type="checkbox"/> Conflict between Executive and Judiciary. <input type="checkbox"/> Consequences of	<p>Understand the causes and consequences of Emergency</p> <input type="checkbox"/> Examine the lessons of Emergency <input type="checkbox"/> Evaluate the rule of Janata
22	14 Oct to 19 Oct 2024			
23	21 Oct to 28 October 2024	<p>Regional Aspirations Topics to be focused:</p> <p>a) Region and the Nation <input type="checkbox"/> Indian Approach <input type="checkbox"/> Areas of Tension <input type="checkbox"/> Jammu and Kashmir <input type="checkbox"/> Roots of the Problem <input type="checkbox"/> External and Internal disputes <input type="checkbox"/> Politics since 1948 <input type="checkbox"/> Insurgency and After <input type="checkbox"/> 2022 and Beyond</p> <p>b) Punjab <input type="checkbox"/> Political Context</p>	<p>Rise of regional aspirations and government's response</p> <input type="checkbox"/> Underlying reasons for demands for regional autonomy <input type="checkbox"/> Success of Indian government in recognizing regionalism as a part and parcel of democratic politics	<p>Discuss the implications of regional demands.</p> <input type="checkbox"/> Analyse the importance of integrity in India. <input type="checkbox"/> Appreciate the initiatives taken by the government in dealing with regional aspirations

		<input type="checkbox"/> Cycle of Violence <input type="checkbox"/> Road to Peace c) The Northeast <input type="checkbox"/> Demand for autonomy <input type="checkbox"/> Secessionist Movements <input type="checkbox"/> Movements against outsiders <input type="checkbox"/> Assam and National		
24	29 Oct to 2 Nov 2024	Diwali break 29 Oct. -02 Nov 2024.		
25	4 Nov to 9 Nov 2024	Recent Developments in Indian Politics Topics to be focused a) Context of 1990s b) Era of Coalition <input type="checkbox"/> Alliance Politics c) Political rise if the Backward Classes	Nature, trends and developments in Indian politics and its impact <input type="checkbox"/> Era of Coalitions-National Front, United Front, United Progressive Alliance, National Democratic Alliance	Understand momentous changes taking place in the nation since 1989
26	11 Nov to 16 Nov 2024	Recent Developments in Indian Politics Topics to be focused <input type="checkbox"/> Mandal Implemented <input type="checkbox"/> Political Fallouts d) Communalism, Secularism and Democracy. <input type="checkbox"/> Ayodhya Dispute <input type="checkbox"/> Demolition and after e) Emergence of New Consensus f) Lok Sabha Elections 2004 g) Growing Consensus	Nature, trends and developments in Indian politics and its impact <input type="checkbox"/> Era of Coalitions-National Front, United Front, United Progressive Alliance, National Democratic Alliance <input type="checkbox"/> Implications of Coalition politics <input type="checkbox"/> Political Rise of Other Backward Classes <input type="checkbox"/> Decline of Congress system and rise of NDA led by Bhartiya Janta Party <input type="checkbox"/> Emergence of growing consensus	Understand momentous changes taking place in the nation since 1989 <input type="checkbox"/> Trace the rise and growth of BJP. <input type="checkbox"/> Identify the areas of growing consensus

27	18 Nov to 23 Nov 2024	Continue	conti	Conti
28	25 Nov to 30 November 2024	REVISION		
29	2 Dec to 4 Dec 2024	REVISION		
30	5 to 17 Dec 2024	PREBOARD 1		
31	18 DEC 2024 to 13 JAN 2025	REVISION		
32	16 Jan to 27 Jan 2025	PRE-BOARD II		