

2023 -2024 Science

MONTH	English	Math	Physics	Chemistry	Biology	Computer science	Economics	Psychology	Ped.
JULY	Short Writing Skills: Formal and Informal Invitations & Replies Long Writing Skills: Report Writing Flamingo: Prose: The Rattrap by Selma Lagerlof Flamingo: Poetry: Keeping Quiet by Pablo Neruda Vistas: Journey to the end of the Earth by Tishani Joshi Art Integrated Activity: Imagine an interview where Green is asked to explain more about his work and why he decided to initiate programs	Topic:Integrals Sub Topic:*Integratio n using Trigonometric Identities *Special Integrals *By parts and partial fractions *properties of definite integrals Activity- Evaluate the definite Integral as limit of sum and verify by actual Integration. Value- Union is strength- Evaluation of any integral and discuss the importance of integration (unity) in life.	Topic: Magnetism And Matter Sub Topics: Bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (qualitative treatment only), torque on a magnetic dipole in a uniform magnetic field (qualitative treatment only), magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials, Magnetization of materials, effect of temperature on magnetic properties.	Topic: Electrochemistry Sub Topics: -Redox reactions, Electrochemical & electrolytic cells, - Electrode potential and its measurement, -EMF of a cell, standard electrochemical series and its applicationsNernst equation & its application to chemical cells, -Relation between Gibb's energy change & emf of a cell and Numerical Conductance in electrolytic solutions, specific & molar conductivity, -Variation of conductivity with dilution & related numerical, -Kohlrausch law and its applications (numerical) -Concept of electrolysis,	Topic: Molecular basis of Inheritance Subtopics: -Transcription -Genetic code -Translation -Regulation of Gene Expression -Human Genome Project -DNA fingerprinting Topic: Evolution Subtopics: -Origin of Life and Evolution of Life Forms-A Theory -What are the Evidences for Evolution? -Adaptive Radiation -Biological Evolution -Mechanism of	MySQL- PYTHON Connectivity: PROJECT WORK Interface of Python with an SQL database -Connecting SQL with Python -Creating Database connectivity Applications - Performing Insert, Update, Delete queries Display data by using fetchone(),fe	DETERMIN ATION of INCOME and EMPLOYM ENT. Component of Aggregate Demand Consumptio n Function Savings Functions Determinati on of Equilibrium. Multiplier Excess Demand	PSYCHOLOGI CAL DISORDERS -Concepts of Abnormality & psychological disorders -Classification of psychological disorder -Factors underlying abnormal behavior Major psychological disorders- Bipolar Disorders, Depression schizophrenic disorders, dissociative disorders,	Unit IV - Physical Education & Sports for CWSN (Children with Special Needs - Divyang) Organization s promoting Disability Sports (Special Olympics; Paralympics; Deaflympics) Concept of Classificatio n and Divisioning

for students.
Keeping both
Green and the
interviewer's
perspectives in
mind, pen down
this interview.
Life Skills:
introspection,
retrospection
Values: universal
brotherhood,
sensitivity to the
environment,
peace, empathy,
unity
General
Awareness:
healing the
environment
Sewa: Health and
wellness:
Health and mental
fitness
Gender
sensitivity:
sensitivity towards
the environment
<u>07.07.23:</u>
Weekly Test 2
Syllabus:
1. Reading:
comprehension
passage
2. Writing Skills;:
Notice writing,
Article Writing,
Letter to the Editor
C L'I of the Luitor

3. Literature: Lost

Topic:Applicatio n of Integration Sub Topic:*Point of intersection *area bounded by the curves such as lines. ellipse, parabola, circle. 14.07.23: Weekly Test 2 Syllabus *Application of Derivatives *Integrals:Ex 7.1, 7.2, 7.4 Art Integration: Various forms of functions -Dancing Math

Faradav's laws of Topic: electrolysis & related Electromagnetic numerical Induction -Cells and batteries. Subtopics: Mechanism of corrosion. Electromagnetic induction: Topic: Faraday's laws, Chemical Kinetics induced EMF and Sub Topics: current: Lenz's -Rate of a reaction Law. Self and (instantaneous & mutual induction. average) - Factors affecting rate of reaction (conc, temp, **Topic:** Alternating Current catalyst) and their graphical Subtopics: Alternating representation. currents, peak and Order and molecularity, rate law, specific rate RMS value of alternating constant. current/voltage: Integrated rate reactance and equations & half-life impedance: LCR (zero and first order series circuit reactions). (phasors only), Pseudo molecular resonance, power reactions. in AC circuits. Collision theory **Experiential** (elementary idea only), Learning:Lab Activation Activity:(i) To find energy, Arrhenius the frequency of ac equation- Mathematical mains using a expression. -Numerical on the above topics sonometer.(ii) To determine the focal Activities: -Construct length of a convex an electrochemical cell lens by plotting a using different

electrodes and fruits /

orange, potato etc) and

vegetables (lemon,

graph between u

Connect to Real

and v.

Evolution and Hardy-Weinberg Principle -A Brief Account of Evolution -Origin and Evolution of Man Topic: Human Health and Disease Subtopics: -Common Diseases in Humans -Immunity Art Integration-'Word Search Game' Students will make a word search game on Transcription/Genetic Code/Translation/Lac Operon/DNA fingerprinting and their peers will search the words. Activities: Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness. -Prepare a temporary mount of onion root tip to study mitosis. -Meiosis in onion bud

tchall(),rowc Deficient ount demand Datastructures: Monetary lists, stacks Policy Stacks **Applications** Life skills Problem Functionspush, pop, solving peek. Critical display thinking Acceptance Life Skill: of a new Coping with model with emotions and equal rights stress Value: Responsibility and awar eness Gender Sensitivity: Females as hackers Health and Wellness: Protection against diseases General Awareness: Promotina computer education amond disabled

somatic symptom and related disorders. anxiety disorders. neurodevelopm ental disorders. substance-use disorders. Value: Empathy LS: Pro-social behavior. Gender sensitivity: Discrimination practices among gender roles. General awareness: Strategies for handling Weekly test (14.7.2023)Syllabus: Self and Personality **THERAPEUTIC APPROACHES** -Nature and process of psychotherapy -Therapeutic relationsh ip -PRACTICAL

in Sports Concept of Inclusion in sports, its need, and Implementati on Advantages of Physical Activities for children with special needs Strategies to make Physical Activities assessable for children with special needs Unit V -Sports & Nutrition Concept of balanced diet and nutrition

Balanced

Diet &

Spring, Deep Water, A Thing of Beauty, Tiger King		Value: Scientific attitude. Life Skill: Problem Solving, Critical thinking. Health and Wellness: Staying healthy during Monsoon Gender Sensitivity: Gender Identity	compare the cell outputStudy the variation of cell potential of Daniel cell with change in the concentration of both the electrolytes at room temperature/ varied temperature. (Project work). Art Integration Activity 'Word Search Game' on different aspects of Electrochemistry Lab Activity -To determine an anion and a cation present in the given salt samples. (Group 1 – I salts- lead acetate and nitrate) (Zero Group – NH salts)-Ammonium sulphate and phosphate ((Group 3 Al salts) Aluminium chloric and sulphate/nitrate (Group 5 –Ba, Sr, Ca salts)Chloride and nitrate Life Skills: Creative Thinking and Problem solving Value:Fosteric Respect for Differences, Conflict Resolution Gender sensitivity: Gendand education Health and wellness: Time management	Value: Concern for life Gender Sensitivity: Genes influence gender identity Health and wellness: Genetic disorders	AL SCI	HOOI		Nutrition Macro & Micro Nutrients: Food sources & functions Nutritive & Non-Nutritive Components of Diet Eating for Weight Control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance & Food Myths Importance of Diet in Sports-Pre, During and Post competition Requirement s
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AUGUST	Flamingo: Prose: Journey to the end of the Earth by Tishani Joshi- 3p (contd.), Indigo by Louis Fischer, Poets and Pancakes by Asokamitran Flamingo: Poetry: A Roadside Stand by Robert Frost, Aunt Jennifer's Tigers by Adrienne Rich Art Integrated Activity: Add a stanza to the poem Life Skills: Interpersonal relationships Empathy Effective Communication Coping with stress Values: Compassion Empathy Assertiveness Fortitude Leadership Optimism Perceptiveness Independence	Topic:Differenti al Equations SubTopic: *Order/Degree *General/Particul ar solution of a differential equation *Solution of a differential equation by 1)Method of separating variables 2)Homogeneous Differential equation 3)Linear Differential Equation. Topic:Inverse Trigonometric Functions Sub-Topic *Domain/Range *Principal Value Branches Topic-Linear	Topic: Alternating Current (contd) Subtopics: Power factor, wattless current. AC generator, Transformer Topic: Electromagnetic Waves Subtopics: Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses. Topic: Wave Optics Subtopics: Proof of laws of reflection and refraction using Huygens principle. Diffraction due to a single slit, width of	Topic: Aldehydes, Ketones and Carboxylic Acids Sub Topics - IUPAC nomenclature and isomerism - Methods of preparation (acetaldehyde and acetone) Name reactions (Stephen & Rosenmund reduction) -Physical and Chemical properties -Mechanism of nucleophilic addition , addition elimination - Reactivity of alpha hydrogen-Aldol condensation -Name reactions (Clemmensons reduc, Canninzaro reaction - Tests for the functional group-Tollen's & Fehling (oxidation) and iodoform) -Carboxylic acids:Nomenclature, isomerism -Acidic nature & its comparison -Method of preparation (acetic acid & benzoic acid) -Physical and chemical properties, mechanisms involved. Name reaction (HVZ , Kolbe, Boradine Hunsdiecker), Uses and tests for the functional group	Topic: Human Health and Disease Subtopics: -AIDS -Cancer -Drugs and alcohol abuse Topic: Microbes in Human Welfare Subtopics: -Microbes in Household products -Microbes in Industrial Products -Microbes in Sewage Treatment Plant -Production of Biogas -Microbes as Biocontrol Agents -Microbes as Biofertilisers Topic: Biotechnology: Principles and Processes Subtopics: -Principles of Biotechnology -Tools of Recombinant DNA technology -Processes of Recombinant DNA technology Topic: Biotechnology	Unit II: Computer Networks Evolution of Networking : ARPANET, Internet, Interspace Different ways of sending data across the network with reference to switching techniques (Circuit and Packet switching). Data Communic ation terminologi es: Concept of Channel, Bandwidth (Hz, KHz, MHz) and Data transfer rate (bps, Kbps, Mbps, Gbps, Tbps).	RURAL DEVELOPME Identify the net for rural development at the major issu associated with it appreciate how crucial the development of rural areas is for India's overall development the critical role of credit and marketing systems in rural development the critical role of credit and marketing systems in rural development the importance of diversification of	Psychodyn amic Therapy	Unit VI Test Measureme nt in Sports Fitness Test - SAI Khelo India Fitness Test in school: Age group 5-8 yrs/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal
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Gender Awareness Women empowerment through creative expression. Raising a voice against marital discord and patriarchal setup.	Programming Problem Sub-Topic *constraints, Objective fun ,optimization *Different types of L.P.P *Graphical method of solution of problems Topic Concept- Probability Sub-Topic *Definition *Sample space, random experiment, event *Types of events	central maxima (qualitative treatment only) Topic: Ray Optics Subtopics: Mirror formula, refraction of light, total internal reflection and optical fibers. Experiential Learning: Lab Activity: (i) To find the focal length of a given concave lens using a convex lens. (ii) Activity 3: To study the variation in potential drop with length of a wire for a steady current. Activity 4: To study the effect of intensity of light(by varying the distance of the source) on an LDR (light dependent resistor) Value: Empathy Life Skill: Teamwork and collaboration	Topic: Amines Sub Topics -Introduction, Nomenclature and Isomerism Methods of preparation (Ethanamine and Aniline), Hoffmann AmmonolysisPhysical and Chemical properties of aliphatic and aromatic amines (Hoffmann Bromamide) -Hinsberg test for 1º,2º & 3º amines. Diazonium salts: Benzene Diazonium Chloride- Preparation, Chemical reactions and Importance in synthetic organic chemistry. Activities: Lab Activity -To determine an anion and a cation present in the given salt samples. (Group 4 –Zn salts) sulphate/ acetate/ nitrate, (Group 6 – Mg salts) sulphate and Unknown salt sample -Determination of the functional group in the given sample of organic compound. (- COOH, -OH, -CHO CO- groups) Art Integration Activity	and its Applications Subtopics: -Biotechnological Applications in Agriculture -Biotechnological Applications in Medicine -Transgenic animals -Ethical issues Art Integration - 'Role Play' Students will prepare role play on the topic "Microbes in Human Welfare". They will present it in the class. Activities: -Model specimens showing symbiotic association in root nodules of leguminous plants, Cuscuta on host, lichensIsolate DNA from available plant material such as spinach, green pea seeds, papaya, etc -Study the plant population density by quadrat methodStudy the plant population frequency by quadrat method.	Transmissi on media: Twisted pair cable, coaxial cable, optical fiber, infrared, radio link, microwave link and satellite link. Network devices: Modem, RJ45 connector, Ethernet Card, Router, Switch, Gateway, WiFi card. Network Topologies and types: Bus, Star, Tree, PAN, LAN, WAN, MAN. Network Protocol: TCP/IP, File Transfer Protocol (FTP), PPP,	productive activities to sustain livelihood Values To create awareness of about the need for rural developmen t EMPLOYM ENT AND EMPLOYM ENT How growth gets affected because of high levels of unemploy ment. Different kinds of unemploy ment.	Attitude and Social cognition Explaining social behavior Nature and component s of attitude formation and change Prejudice and discrimination	Partial Curl Up, Push- Ups for boys, Modified Push-Ups for girls) Measuremen t of Cardio- Vascular Fitness – Harvard Step Test *Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise Computing Basal Metabolic Rate (BMR) Rikli & Jones - Senior Citizen Fitness Test I.Chair Stand
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अहिंस अहिंस अहिंस	'Crossword Puzzle Game' on preparation and properties of Aldehydes and Ketones Life Skills: Creative Thinking and Problem solving Value: Fostering Respect For Differences Gender sensitivity: Gender Equality Health and wellness: Seasonal Diet	HTTP, SMTP, POP3, Remote Login (Telnet) and Internet, Wireless / Mobile Communicati on protocol such as GSM, GPRS and WLL. Values:- Hard Work Health & wellness:- Exercise to keep body fit Life Skills- problem Solving Gender Sensitivity- Women	Rural and Urban Causes Strategies economic activities life skills-Critical thinking gender equality Achieving balanced participation in decision Making. HIMAN	Strategies for handling prejudice -PRACTICAL Value: Cohesiveness LS: Social facilitation Gender sensitivity: Gender and Competition	Test for lower body strength II.Arm Curl Test for upper body strength III.Chair Sit & Reach Test for lower body flexibility IV.Back Scratch Test for upper body flexibility V.Eight Foot Up & Go Test for agility
			HUMAN CAPITAL FORMATIO N Role of human capital in developmen t	General awareness: Managing intergroup conflicts Health and Wellness: Managing	VI.Six Minute Walk Test for Aerobic Endurance Johnsen – Methney Test of

						Human Developme nt State of human capital formation in India Value How people are a resource.	emotions	Motor Educability (Front Roll, Roll, Jumping Half-Turn, Jumping fullturn Unit VII Physiology & Injuries in Sports
अहर योग्ट	Î	TAGO! EAST O	RE INTER	NATIONA H, NEW DE	AL SCI	HOO		Physiological factors determining components of physical fitness
31120								Effect of exercise on Muscular System
								Effect of exercise on Cardio- Respiratory System
								Physiological changes due to aging

	अहर स्रोहर अस्टि			RE INTER			HOO		Sports injuries: Classificatio n (Soft Tissue Injuries - Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted , Transverse Oblique & Impacted)
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SEPTE MBER	Vistas: On the Face of It by Susan Hill Assessment of Listening and Speaking Skills, Revision 18.09.23 - 29.09.23 Mid -Term Examination: Syllabus: Reading Skills: 1. One factual/descriptive/literary unseen passage to assess comprehension, interpretation, analysis and inference and vocabulary 2. One unseen case-based factual passage with verbal/visual inputs like statistical data, charts etc.	Topic - Probability- Sub-Topic *Bayes Theorem *Mean Experiential Learning- *Identify the role of probability in Casino games * Probability of Patients recovering from Covid 19 in Delhi in August 2020 Activity- students will explain the computation of conditional Probability Mid -Term Examination:	Topic: Ray Optics(contd) Subtopics:Refracti on at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Revision for Mid Term Value: Curiosity and Optimism Life Skill: Web of Relationship, Critical thinking Health and Wellness: Effective time management Gender Sensitivity: Gender Equality	Topic: d and f-Block Elements Sub Topics: -Introduction-d & f block elements, position in periodic table, electronic config, occurrence - Characteristics of transition metalsGeneral trends in properties of the first- row transition metals- metallic charac, ionization enthalpy, oxidation state, ionic radii, colour, catalytic property, magnetic propertye, magnetic properties, interstitial comp, alloy formation. Revision for Mid Term Examination Life Skills: Problem solving and Interpersonal Relationship Value:Fostering Respect For Differences Gender sensitivity: Gender Equality Health and wellness: Stress management	Topic: Organisms and Populations Subtopics: -Population Attributes -Population Growth Revision for exams Mid-Term Examination 18.09.23 to 29.09.23 Life Skill: Decision making Value: Determination Gender sensitivity: Awareness Health and Wellness: Safety issues	Unit II: Computer Networks Mobile Telecommunication Technologi es: 1G, 2G, 3G, 4G and 5G; Mobile processors; Electronic mail protocols such as SMTP, POP3, Protocols for Chat and Video Conferencin g: VoIP, Wireless technologies such as Wi- Fi and WiMax Network Security Concepts: Threats and prevention	ENVIRONM ENT AND SUSTAINA BLE DEVELOP MENT Meaning Importance and functions(2) Problems (2) Causes State of Degradation (1) G20 MID TERM EXAMINATI ON 18.09.23 to 29.09.23	Attitude and Social cognition . Schemas and stereotypes . Impression formation and explaining behavior of others through attributions . Behavior in the presence of	Unit VIII Biomechani cs & Sports Newton's Law of Motion & its application in sports Types of Levers and their application in Sports Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports Friction & Sports Projectile in Sports
	like statistical data,							presence of others	Unit IX Psychology & Sports Personality;

Short: Notice writing, Invitations and Replies Long: Job Application, Letter to the Editor, Article Writing, Report Writing Literature: Flamingo: Prose: The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets and Pancakes Flamingo: Poetry: My Mother at Sixty-six, Keeping Quiet, A Thing of Beauty, Aunt Jennifer's Tigers, A Roadside Stand Vistas: The Third Level, The Tiger King, Journey to the end of the Earth	Syllabus: Chap 2- Inverse Trigonometric Functions Chap-3 Matrices Chap-4 - Determinants Chap5- Continuity and Differentiation Chap6-App of Derivatives Chap7-Integrals Chap 9- Differential Equations		RE INTER		horse, Spams Use of Cookies, Protection using Firewall, https; India IT Act, Cyber Law, Cyber Crimes, IPR issues, hacking. Introduction To Web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML); Hyper Text Transfer Protocol (HTTP); Domain Names; URL; Website, Web browser, Web Servers; Web Hosting REVISION FOR MID TERM EXAM	HOO	Value: Patriotism LS: Pro- environment behaviour Gender sensitivity: Type of aggression portrayed by men and women. General awareness: Environmental effects on human behaviour. Health and Wellness: Balanced diet	its definition & types (Jung Classificatio n & Big Five Theory) Motivation, its type & techniques Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it Meaning, Concept & Types of Aggressions in Sports Psychologic al Attributes in Sports – Self Esteem, Mental Imagery, Self-Talk, Goal Setting
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	अहिम अहिम			RE INTER		Values- Say no to Piracy Ready to Share Making something which is beneficial for society Become a programmer who has a motto "I find this useful, maybe some others will as well." So make softwares without thinking about profit. Health & wellness:- Disability and Computer Equipment Gender Sensitivity- Respect opposite gender in the team	HOOI		
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OCTOB ER	Vistas: Prose: The Enemy by Pearl S. Buck Flamingo: Prose: The Interview by Christopher Silvester, Going Places by A.R. Barton	Topic: Vectors Sub topic: *Definition *Difference btw Vector and scalar *Types of Vectors *Direction cosines/Ratios *Addition, Multiplication of Vector *Scalar dot product *Vector product *Projection of a vector Topic:Three Dimensional Geometry Sub topic: *Cartesian /Vector form of line	Topic: Ray Optics (contd) Subtopics: Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. Topic: Dual Nature of Radiation and Matter Subtopics: Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation. Topic: Electronic Devices Subtopics: Energy bands in conductors, Intrinsic and extrinsic semiconductors-p	Topic:d and f-Block Elements contd Sub Topics: - General trends in properties- Colour, magnetic properties, interstitial comp, alloy formation Preparation & properties of KMnO4 & K2Cr2O7, Structures of their ions -Lanthanoids & Actinoids:Configuration, Oxidation state, chemical reactivity - Lanthanoid contraction & its consequences.	Topic: Organisms and Populations Subtopic:: Population Interactions Topic: Ecosystem Subtopics: -Ecosystem-structure and Function, Productivity, Decomposition -Energy Flow -Ecological Pyramids Topic: Biodiversity and Conservation Subtopics: - Biodiversity - Biodiversity conservation Art Integration 'PowerPoint / Video Presentation Students will make a powerpoint or video presentation on the various population interactions existing in nature and present it in the class. Life Skill: Healthy relationships Value: Dependability Gender sensitivity: Awareness Health and Wellness: Being responsible and safe	Net Work case study Values- Collaboration and Team Spirit Gender Sensitivity- Right to equality Health & wellness:- Right posture in front of Computer Life Skills- Problem Solving Skills, Decision- making skills, Critical Thinking	BALANC E of PAYME NTS and FORIEG N EXCHA NGE Balance of Payments and Foreign Exchange. Determinat ion of Foreign Exchange Causes of Forex- demand and supply Equilibrium Balance of Payments Current and capital account	Social Influences and Group processes - Nature and formation of groups - Type of groups - Influence of group on individual behavior Health and Wellness: Mental well being LS: stress management	Unit X Training in Sports Concept of Talent Identification and Talent Development in Sports Introduction to Sports Training Cycle - Micro, Meso, Macro Cycle Types & Method to Develop - Strength, Endurance and Speed Types & Method to Develop - Flexibility and Coordinative Ability Circuit Training - Introduction & its importance
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	*Coplanar/Skew lines *Shortest Distance btw lines. *Topic-Relation and Function Sub topic: *Reflexive, Symmetric and transitive relation *One and onto function and inverse of function. Experiential Learning-Physical significance of cross and dot product. Lab Activity- To verify that the angle in a semi circle is right angle. Lab activity-Distance between two	and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode - diode as a rectifier. Experiential Learning: Lab Activity: (i)To draw the IV characteristics of a pn junction diode. (ii)Activity 5: To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. Activity 6: To study the nature and size of the image formed by a convex lens, on a screen by using a candle and a screen (for different distances of the candle from the lens). Value: Curiosity and Optimism Life Skill: Web of	Geometry of complexes) -CFT- Properties (magnetic behavior and color) -Importance of coordination compounds (in qualitative inclusion, extraction of metals. Lab Activity - Determination of the functional group in the given sample of organic compound. (Phenolic and Amine group) -To separate the coloured components, present in the given mixture of ink by ascending paper chromatography and also calculate R _f valuesDetermination of the presence of carbohydrates and proteins in the given food sample. Art Integration Activity: Presentation on isomerism and application of complexes. Life Skills: Problem solving and Interpersonal Relationship Value: Fostering Respect For Differences Gender sensitivity: Gender	NATIONA I, NEW DE	AL SCI	DEVELOP MENT EXPERIEN CE of INDIA India's relation with China and Pakistans progress China path Value: Good relations with neighbours and appreciate their strengths.	Value: Sound mind in a sound body Gender sensitivity: Gender disparities in mental health
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points.	Relationship, Critical thinking Health and Wellness: Stress Management Gender Sensitivity: Gender Bias	Equality Health and wellness: Stress management				
	TAGO	REINTER	NATIONA	AL SC	HOO	

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IOVEM BER	Vistas: Prose: Memories of Childhood by	Revision Tests	Topic: Atoms and Nuclei Subtopics: Alpha-	Revision for exams Revision Tests	Revision for exams	Revision	Revision Tests	Revision Tests	REVISION
DLIX	Zitkala-Sa and	17.11.23 to	particle scattering	17.11.23 to 28.11.23	Revision Tests	Revision	16313	17.11.23 to	
	Bama.	28.11.23	experiment;	17.11.20 to 20.11.20	INEVISION TESIS	Tests	17.11.23 to	28.11.23	
	Revision	20111120	Rutherford's model		17.11.23 to 28.11.23		28.11.23	20111120	
		Syllabus for	of atom; Bohr			17.11.23 to			
	<u> 17.11.23 -</u>	Revision Test	model of hydrogen			28.11.23			
	28.11.23		atom, Expression						
	Revision Test:	CHAPTER 7:	for radius of nth						
		INTEGRALS	possible orbit,						
	Syllabus:	INTEGRALS	velocity and energy						
	Reading Skills:		of electron in nth						
	Trouding online	CHAPTER 8:	orbit, hydrogen line						
	1. One	APPLICATION	spectra (qualitative						
	factual/descriptive/l	A00.	treatment only).						
	iterary unseen	OF INTEGRALS	Composition and size of nucleus,						
	passage to assess		nuclear force	of the 18 Indicates had	MATIONIA		1001		
	comprehension,	CHAPTER 9:	Mass-energy	SE INTER	NATIONA	1 50	H(C)(C)		
	interpretation,		relation, mass	Admit 11.9 1 Nort 5	121.111.001.41	S. Same Yest Yest	100		
	analysis and	DIFFERENTIAL	defect; binding	E MAII ACI	J MEW DE	1 1 11			
	inference and	EQUATIONS	energy per nucleon	L WAITWOI	I, NEW DE				
	vocabulary		and its variation						
		CHAPTER 10:	with mass number;						
	2. One unseen		nuclear fission,						
	case-based factual	VECTOR	nuclear fusion.						
	passage with verbal/visual inputs	ALGEBRA							
	like statistical data,		Value:						
	charts etc.	0114 DTED 44	Responsibility and						
	Charts etc.	CHAPTER 11 :	awareness						
	Creative Writing	THREE							
	Skills:	DIMENSIONAL	Life Skill: Problem						
	OKINO.		solving and critical						
	Short: Notice	GEOMETRY	thinking						
	writing, Invitations		1114						
	and Replies		Health and						
	'	CHAPTER 12:	Wellness:						

ligation Latter	EAR Importance of adequate sleep					
cle Writing, Goort Writing	Gender Sensitivity:					
PRO	APTER 13 : Gender roles and society	1				
mingo: Prose:	Revision for Revision Test					
t Spring, Deep ter, The trap, Indigo,	Revision Test 17.11.23 - 28.11.23					
ets and ncakes, The erview, Going ces	•					
mingo: Poetry:	TAGO	DRE INTER	NATIONA	AL SC	100	
Mother at cy-six, Keeping et, A Thing of auty, Aunt nifer's Tigers, A adside Stand	EAST	OF KAILAS	H, NEW DE	LHI		
tas: The Third el, The Tiger g, Journey to end of the						
th, The Enemy, the Face of It, mories of Idhood.						
et, A Thing of auty, Aunt nifer's Tigers, A adside Stand tas: The Third rel, The Tiger g, Journey to end of the th, The Enemy, the Face of It, mories of	EAST	OF KAILAS	H, NEW DE	LHI		

Life Skills: managing responsibilities							
Values:							
love for one's vocation and for the life of others.							
General Awareness: concept of time and travel	A						
Sewa: universal brotherhood	3	TAGO	RE INTER	NATIONA	AL SC	HOOI	
Health and wellness: emotional health			F KAILASI				
Gender sensitivity: sensitivity towards mankind							

DECEM BER	Board Practicals: Assessment of Listening and Speaking Skills, Revision 18.12.23 - 28.12.23	Pre-Board Examination18. 12.23 - 28.12.23 Syllabus: CHAPTER 1:	Pre-Board Examination 18.12.23 to 28.12.23	Revision for exams Pre-Board Examination 18.12.23 to 28.12.23	Revision for exams Pre-Board Examination 18.12.23 - 28.12.23	Revision Pre-Board Examination1 8.12.23 - 28.12.23	Pre-Board Examinatio 18.12.23 - 28.12.23	Pre-Board Examination 18.12.23 - 28.12.23	Revision
	Pre -Board Examination Syllabus:	RELATIONS AND							
	Reading Skills:	FUNCTIONS							
	1. One factual/descriptive/l iterary unseen passage to assess comprehension,	CHAPTER 2 : INVERSE TRIGONOMETR							
	interpretation, analysis and inference and	IC FUNCTIONS		RE INTER			HOO		
	vocabulary 2. One unseen case-based factual	CHAPTER 3: MATRICES	EAST O	F KAILASI	H, NEW DE	LHI			
	passage with verbal/visual inputs like statistical data,	CHAPTER 4: DETERMINANT							
	charts etc.	S							
	Creative Writing Skills:	CHAPTER 5:							
	Short: Notice writing, Invitations and Replies	CONTINUITY AND DIFFERENTIABI							
	Long: Job Application, Letter								

to the Editor, Article Writing, Report Writing Literature: Flamingo: Prose: The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets and Pancakes, The Interview, Going Places Flamingo: Poetry: My Mother at Sixty-six, Keeping Quiet, A Thing of Beauty, Aunt Jennifer's Tigers, A Roadside Stand Vistas: The Third Level, The Tiger King, Journey to the end of the Earth, The Enemy, On the Face of It, Memories of Childhood.	DERIVATIVES CHAPTER 7: INTEGRALS CHAPTER 8: APPLICATION OF INTEGRALS TY: CHAPTER 9: DIFFERENTIAL EQUATIONS A CHAPTER 10: VECTOR ALGEBRA Ty, CHAPTER 11:	OF KAILAS			HOO		
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	CHAPTER 12 : LINEAR PROGRAMMIN G						
	CHAPTER 13 : PROBABILITY						
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JANUA RY	Revision	*Revision of the concepts,				Revision	Revision	Revision	Revision
		*Revision Exam,							
		*Preboard Examination							
		*Practical's							
		(Complete Syllabus)- NCERT book 1 and book 2							
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FEBRU ARY	Revision	*Revision of the concepts,				Revision		Revision	Revision
		*Preboard Examination - corrections							
		*Practical's							
		(Complete Syllabus)- NCERT book 1 and book 2							
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