



# **BURNPUR RIVERSIDE SCHOOL**

(Under the aegis of Burnpur Riverside School Educational Society)

**Affiliated to CBSE, New Delhi**

**BURNPUR-713325, DIST. - PASCHIM BARDHAMAN (W.B.)**



**CLASS : XI**

**MONTHLY PEDAGOGICAL PLAN**

**ACADEMIC SESSION : 2024 – 2025**

# BURNPUR RIVERSIDE SCHOOL, BURNPUR

## MONTHLY PEDAGOGICAL PLAN

THE ACADEMIC SESSION 2024 – 2025

**CLASS : XI**

**SUBJECT - ENGLISH**

**Text Books : 1. HORNBILL, TEXTBOOK IN ENGLISH FOR CLASS XI (CORE COURSE)**

**2. SNAPSHOTS, SUPPLEMENTARY READER IN ENGLISH FOR CLASS XI (CORE COURSE)**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	The Portrait of a Lady The Summer of the Beautiful White Horse Grammar	A	Story Telling Role Play	Reads silently with comprehension and to identify complexity of ideas. Relates learning with personal and social experiences. Reads longer texts with implicit meaning and describes inferring from contexts, phonological cues etc. with clarity. (Develops respect for grandparents, accepts and manages situations with patience and tolerance, shows care and concern for birds and animals) Solves grammar exercises with/without context.
May	13	A Photograph Grammar Writing Skills	B	Painting & Poster Making	Identifies and appreciates figures of speech, rhyme scheme, intonation, verse, blank verse etc. Solves grammar exercises following the definition and rule of the grammatical item. Develops posters and advertisements.
June	12	The Laburnum Top Writing Skills	C	Sketching	Recites poems, identifies literary devices and linguistic features (Learns about the mutual reciprocating relationship that exists in nature). Develops write ups with clarity, using appropriate vocabulary, relevant thoughts and presents with titles and debates on issues fluently and convincingly using authentic social, scientific evidences.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	We're Not afraid to die.... If we can all be Together Mother's Day The Voice of the Rain	D	Role Play Lyrics Creation	Reads, comprehends and extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Face adverse circumstances with courage, determination and self confidence; Realize mothers have equal rights to enjoy and they deserve acknowledgement) Learns to appreciate poetry. Identify significant literary elements such as simile, metaphor (Draw a comparative study between human life and nature.)

<b>August</b>	22	The Address Childhood Note Making Writing Skills	E	Beautifying room/space/ building Sketching Comic Strips	Reads, comprehends and extrapolates beyond texts, analyses, interprets and appreciates characters, themes, incidents and plot. (Human dilemma that follows war, accept situation and be Optimistic in life) Appreciates poetry (Innocence is scarce) Learns to develop quality notes based on classroom discussion. Writes Classified Advertisement with clarity and precision using appropriate vocabulary, expression etc.
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
<b>September</b>	25	Father to Son Grammar	F	Free Talks	Learns to appreciate poetry and identify significant literary elements (Resolve conflict with patience, accept differences, understand parents, communicate with family members & share joys and sorrows) Solves grammar exercises.
<b>October</b>	17	The Adventure Silk Road Writing Skills	G	Slide show Document Making	Reads, comprehends and extrapolates beyond texts, analyses, interprets and appreciates characters, themes, incidents and plot. (Methods of inquiry of history, science and philosophy are similar, face and deal with challenging situations and come up with appropriate solutions) Learns to express effectively and develop appropriate style of writing.
<b>November</b>	20	Discovering Tut : the Saga Continues Note Making Writing Skills	H	Research on Art Forms	Reads, Comprehends and extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Scientific intervention to unearth buried mysteries, archaeology and advancement in technology) Learns to express effectively using correct format.
<b>December</b>	20	Birth Grammar	I	Story Telling	Reads, Comprehends and extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Sense of duty, difference between knowledge gained and practical approach) Learns to apply grammar rules, express ideas and writes effectively)
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
<b>January</b>	24	The Tale of Melon City Grammar Writing Skills	J	Story Telling	Appreciates poetry. Identifies significant literary elements in order to demonstrate understanding of their significance in texts. (Analyse situation and take appropriate decision) Learn to apply grammar rules, express ideas and writes effectively.
<b>February</b>	24	<b>Revision</b>			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
<b>March</b>	23	-----			

N.B. : The following are to be studied along with the study of literature :

1. Unseen passage for comprehension (Factual, Descriptive, Literary)
2. Unseen Case-based passage with verbal/visual inputs
3. Unseen Passage for Note Making & Summarization
4. Grammar (Gap filling, Re-ordering, Transformation of Sentences)
5. Writing (i) Classified Advertisement (ii) Poster (iii) Speech (iv) Debate.

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

### SUBJECT – ENGLISH

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Role - Play (AIA)	Scripts to inform and communicate ideas effectively.
May	13	Writing for real-life situations (Advertisements)	Creates advertisements for the purpose intended
June	12	Composition of Poems by using different types of literary devices	Composes poems by using different types of literary devices
July	24	Writing for real life situations – Speeches, Creative Slogans	Writes to express their understanding and experiences. Writes with appropriate information with relevance to the audience and purpose.
August	22	Summarizing Texts	Identifies main points and summarizes from careful reading of the text. Comprehends the way words & sentences are used in texts.
September	25	H.Y. – Assessment in English Core	Assessment of Learning
October	17	Anchoring of small events	Writes ideas in sequence using words appropriate for the purpose & audience intended
November	20	Writing Letters	Writes to express their understanding and experiences. Writes with appropriate information with relevance to the audience & purpose
December	20	Project (ALS)	Learns creative planning, Literature Review, Prepares Questionnaire.
January	24	PT-3 Assessment in English Core	Assessment of learning
February	24	Annual Examination Assessment in English Core	Assessment of Learning
March	23	-----	-----

## SUBJECT - ENGLISH ALS

MONTH	W.D.	COURSE CONTENT	LEARNING OUTCOMES
April	24	Introduce Yourself Topic Presentation	Develops interactive competence (Initiation and turn takings, relevance to the topic) Develops fluency (cohesion, coherence and speed of delivery). Speaks and reads with proper pronunciation. Uses language correctly and precisely (grammar and vocabulary) Develops public speaking skills.
May	13	Newspaper Reports and Clippings	Listens to news bulletins. Develops the ability to discuss informally a wide ranging issues like current national and international affairs, sports, business etc. Listens to business news and is able to extract relevant important information.
June	12	Free Talks, Story Telling Narratives	Responds in interviews. Participates in formal group discussions. Makes enquires meaningfully and adequately. Takes organized notes on lectures, talks and listening passages.
July	24	Newspaper Reports and Clippings Topic Presentation	Listens to news bulletins. Develops the ability to discuss informally a wide ranging issues like current national and international affairs, sports, business etc. Develops interactive competence. Develops fluency. Speaks with proper pronunciation and uses language correctly.
August	22	Topic Presentation	Develops interactive competence (Initiation & turn taking, relevance to the topic). Develops Fluency (Cohesion, Coherence & Speed of delivery) Uses language correctly/precisely (Grammar and vocabulary). Develops public speaking skills.
September	25	<b>HALF YEALRY EXAM</b>	
		Project Planning	Develops communication skills. Develops fluency (Cohesion, Coherence & Speed of delivery). Plans creatively.
October	17	Project Planning and Research Work	Learns to work in a team thus preparing for social environment. Develops communication skills, Plans creatively. Develops clarity of thoughts and ideas.
November	20	Survey and Analysis of Data	Learns to prepare relevant questionnaire. Integrates knowledge and skill from various areas. Learns to collect and analyse data.
December	20	Project completion and Submission	Develops critical thinking skills and competence to solve problems. Develops communicative and interactive skills. Develops clarity of thoughts and ideas.
January	24	-----	-----
February	24	<b>ANNUAL EXAMINATION</b>	
March	23	-----	-----

# SUBJECT - MATHEMATICS

**Text Books :** 1. NCERT MATHEMATICS FOR CLASS - XI  
 2. SENIOR SECONDARY SCHOOL MATHEMATICS FOR CLASS XI  
 3. LABORATORY MANUAL MATHEMATICS CLASS XI

MONTH	W.D.	COURSE CONTENT	MATHS LAB ACTIVITY	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Sets, Relations and Functions, Complex number and quadratic equations	Activity 1 Activity 6	A	Making Chart	Develops the idea of sets, identifies relations and functions, understands modulus and argument of complex numbers.
May	13	Trigonometric Functions	Activity 11	B	Making Formula Chart	Understands different measures of an angle and problems related to it.
June	12	Linear in equations in one variable	-----	C	Sketching	Learns to draw, write the solution set in number line.
<b>PT-1 (28.06.2024)</b>						
<b>PT-1 (01.07.2024 to 05.07.2024)</b>						
July	24	Limits and Derivatives	Activity 28	D	Making Formula Chart	Evolves the concept of limit and derivative of a function using elementary formula, product and quotient rules.
August	22	Permutations and Combinations	Activity 14	E	Making Concept Map	Applies the ideas of permutation and combination to daily life situations.
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>						
September	25	Binomial theorem	Activity 15	F	Making Concept Map	Develops the idea of the binomial theorem for a positive integral index
October	17	Straight lines, Conic Sections	Activity 21	G	Making Formula Chart	Analyses different curves like circle, parabola, ellipse, hyperbola.
November	20	Conic Sections (Contd...) Sequence & Series	Activity 18	H	Making Formula Chart	Understands and extends the ideas related to AP and GP
December	20	Introduction to Three-dimensional Geometry	-----	I	Making Concept Map	Develops strategies of locating a point in 3D based on concept of 2D
<b>PT-3 : 18.12.2024 to 20.12.2024</b>						
<b>PT-3 : 03.01.2025 to 08.01.2025</b>						
January	24	Statistics, Probability	Acvity 33	J	Making Chart	Applies measures of dispersion to get a better interpretation of data of different daily life situations.
<b>REVISION</b>						
February	24	<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>				
March	23	-----				

**PORTION FOR PT- 1 : SL. NO. : A, B, C**  
**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**  
**PORTION FOR PT-3 : SL. NO. : F, G, H, I**  
**PORTION FOR ANNUAL EXAM : SL. NO. : A to J**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCeF

### SUBJECT – MATHEMATICS

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Assignment on 'Sets' Quizzes on 'Relations and Functions'	Develops the idea of Sets. Identifies relation and functions.
May	13	Physical Activities on 'Trigonometric Functions'	Understands different types of graphs of trigonometric functions
June	12	Assignment on 'Linear in-equalities in one Variable'	Learns to show the solution Set of linear in-equalities in one variable
July	24	Making Formula Chart on 'Limits and Derivatives'	Applies the formulas of limits and derivatives of a function
August	22	Quiz on 'Permutations and Combinations'	Applies the ideas of permutations and combination to daily life situations
September	25	.....	.....
October	17	Class test on 'Straight line and Conic sections'	Analyses different curves
November	20	Assignment on 'Sequence & Series'	Understands and extends the ideas related to AP and GP
December	20	Quiz on 'Three-dimensional Geometry'	Develops idea of locating a point in Three dimensional geometry
January	24	Assignments on 'Statistic and Probability'	Applies measure of dispersion to get a better interpretation of data
February	24	.....	.....
March	23	.....	.....

# SUBJECT - PHYSICS

**Text Books : 1. PHYSICS TEXT BOOK FOR CLASS XI [NCERT]  
2. MODERN'S abc OF PHYSICS (MODERN PUBLISHERS)**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Ch. 1 : Units And Measurement Ch. 2 : Motion In A Straight Line	A	Labelled diagram/ Concept map (Info Graphic Making)	Dimensional analysis of physical quantities.
May	13	Ch. 2 : Motion In A Straight Line (Contd...) Ch. 3 : Motion In A Plane	B	Graphical figures etc. (Info Graphic Making)	Concept of graphical representation of motion. Numericals based on equations of motion.
June	12	Ch. 3 : Motion In A Plane (Contd...)	C	Experimental demonstration (Slide Show)	Concept of vector laws of addition and projectile motion
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Ch. 5 : Laws of Motion Ch. 6 : Work Energy & Power	D	Analyses and interprets graphs/figures etc.	Concept of force and Newton's Laws of motion
August	22	Ch. 6 : Work Energy & Power (Contd...) Ch. 7 : System of Particles and Rotational Motion	E	Experiemental Demonstration	Work done along with its mathematical analysis
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
September	25	Ch. 8 : Gravitation	F	Slide Show	Concept of gravitational force between two bodies, field. Potential, Escape velocity, Orbital velocity & B.E. of satellite.
October	17	Ch. 9 : Mechanical Properties of Solids Ch. 10 : Mechanical Properties of Fluids.	G	Slide Show	Understands the various physical properties of solids and fluids.
November	20	Ch. 11 : Thermal Propeties of Matter Ch. 12 : Thermodynamics	H	Experietial Learning	Concept of heat, work, internal energy, laws of Thermodynamics
December	20	Ch. 13 : Kinetic Theory of Gases	I	PPT	Concepts of Kinetic theory of gases, gas laws
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Ch. 14 : Oscillation Ch. 15 : Waves	J	Experiential Learning	Concept of progressive and standing wave, Energy carried by a wave
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C  
PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E  
PORTION FOR PT-3 : SL. NO. : F, G, H, I  
PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus)**

# ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

## SUBJECT – PHYSICS

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	To make a paper scale of given a least count (Laboratory work)	Measures physical quantities using appropriate apparatus & devices.
May	13	To determine mass of a given body using a meter scale by principle of moments (Innovation Lab)	Calculate using the data given.
June	12	To plot a graph for a given set of data, with proper choice of scale & error bars. (Laboratory work)	Analyse and interprets graphs and figures.
July	24	To measure force of limiting friction for rolling of a roller on horizontal plane	Understands the concept of rolling friction
August	22	To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.	Analyses the relation between dissipation of energy and amplitude
September	25	To study the variation of length (L) Vs time ( $T^2$ ) for a simple pendulum	Understand the relation between length of a pendulum and time period.
October	17	To study L.C. of different measuring instrument	Students will come to know about the concepts of L.C. of various measuring instructions.
November	20	To observe the change of state and plot a cooling curve for molten wax	Temperature change with variation of state
December	20	To measure the speed of sound in air at room temperature using a resonance tube.	Relates speed of sound with temperature.
January	24	.....	.....
February	24	.....	.....
March	23	.....	.....

## SUBJECT – PHYSICS PRACTICAL

MONTH	W.D.	COURSE CONTENT	Sl. No.	LEARNING OUTCOMES
April	24	Prac 1 : To measure diameter of a small spherical/cylindrical body and to measure internal diameter & depth of a given beaker using Vernier Callipers and hence find its volume.	A	Measure physical quantities using appropriate apparatus.
May	13	Prac 2 : To measure diameter of a given wire and thickness of a given sheet using screw gauge.	B	Plans and conduct investigations and experiments to verify the fact.
June	12	Prac 3 : To determine volume of an irregular lamina using screw gauge.	C	Analyses and interprets data and figures and draw conclusions.
July	24	Prac 4 : To determine radius of curvature of a given spherical surface by a Spherometer Prac 5 : Using a simple pendulum plot its $L-T^2$ graph & use it to find the effective length of second's pendulum	D	Measure physical quantities using appropriate apparatus. Analyses & interprets data, graph & figures
August	22	<b>HALF YEARLY PRACTICAL EXAM</b>		-----
September	25	Prac 6 : To find the force constant of a helical spring by plotting a graph between load & extension	E	Understand the concept of graph between Load & extension.
October	17	Prac 7 : To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.	F	Analyses & interprets data, graphs & figures and draws conclusion, from it.
November	20	Prac 8 : To find the speed of sound in air at room temperature using a resonance tube by two resonance positions	G	Understand the concept of resonance
December	20	Revision		-----
January	24	Revision		-----
February	24	<b>ANNUAL EXAMINATION</b>		-----
March	23	-----		-----

**PORTION FOR HALF YEARLY PRACTICAL EXAM : SL. NO. : A, B, C, D**  
**PORTION FOR ANNUAL PRATICAL EXAM : SL. NO. : A TO G**

# SUBJECT – CHEMISTRY (THEORY)

**Text Books : 1. TEXT BOOK FOR CLASS XI [NCERT]  
2. BALAJI SIMPLIFIED CHEMISTRY OF CLASS XI**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Ch. 1 : Some Basic Concepts of Chemistry Ch. 2 : Structure of Atom	A	Models of different atomic structures	Understand fundamental chemical principles related to the composition of matter and the concept of molecular identity.
May	13	Ch. 3 : Classification of elements and periodicity in properties Ch. 4 : Chemical Bonding and Molecular Structure	B	Electron structures of ionic compounds Lewis symbols and structures	Learn how individual atoms connects to form more complex structures
June	12	Ch. 4 : Chemical Bonding and Molecular Structure	C	Slide Show	Learn to draw molecular orbitals
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Ch. 5 : Thermodynamics Ch. 8 : Organic Chemistry – Some Basic Principles and Techniques	D	Labelled diagram/ concept map	Learn about spontaneous & non spontaneous reactions and law of thermodynamics.
August	22	Ch. 8 : Organic Chemistry – Some Basic Principles and Techniques	E	Labelled diagram/ Concept map	Learn to draw the structure of organic compound.
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Ch. 7 : Redox Reaction	F	Graphs/Figures	Learn to balance chemical reactions using oxidation number method and half reaction method.
October	17	Ch. 6 : Equilibrium	G	Slide Show	Learn to apply the knowledge of Lewis acid and bases to equilibrium problems
November	20	Ch. 6 : Equilibrium (Contd...) Ch. 9 : Hydrocarbon	H	Charts on method of preparation of hydrocarbon	Learn to use solubility product in equilibrium problem
December	20	Ch. 9 : Hydrocarbon (Till alkanes)	I	Models of hydrocarbons	Learn IUPAC nomenclature and drawing structures of organic compounds
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Ch. 9 : Hydrocarbons (Till end)	J	Slide show	Learn about isomerism, Physical and Chemical reactions.
<b>REVISION</b>					
February	24	<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>			
March	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C  
PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E  
PORTION FOR PT-3 : SL. NO. : F, G, H, I  
PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

# ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCeF

## SUBJECT – CHEMISTRY

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Class Project Ch – Some Basic Concepts of Chemistry	To develop the scientific aspects.
May	13	Performing Arts Ch – Structure of Atoms	Develop an ability to construct meaning by drawing inference and relating with previous knowledge.
June	12	Class Quiz Ch – Chemical Bonding and Molecular Structure	To acquire knowledge and skill.
July	24	Construct an enthalpy diagram on Born-Haber Cycle. (Performing Art)	The students will be able to calculate the lattice enthalpy of $\text{Na}^+\text{Cl}(s)$
August	22	Prepare a chart of different functional groups of organic compounds. (Performing Art)	The students will be able to identify different organic compounds having different functional groups.
September	25	Prepare a class project on the construction and working of a Galvanic cell	The students will be able to write the cell notation of an electro chemical cell.
October	17	Prepare a chart on acidic and basic buffer. (Performing Art)	The students will be able to explain the buffer action of acidic and basic buffer.
November	20	Perform some acid-base titrations using indicators. (Laboratory Work)	The students will be able to identify the equivalence Point of acid-base titration.
December	20	Prepare a concept chart of Hydrocarbons. (Performing Art)	Students will be able to differentiate between aliphatic & aromatic hydrocarbons.
January	24	Prepare an aromatic reaction map (Performing art)	Students will be able to learn the reaction mechanisms.
February	24	.....	.....
March	23	.....	.....

# SUBJECT – CHEMISTRY PRACTICAL

**Text Book : COMPREHENSIVE CHEMISTRY PRACTICAL CLASS XI**

MONTH	W.D.	COURSE CONTENT	Sl. No.	LEARNING OUTCOMES
April	24	Ex-1 : (a) To Prepare $\frac{N}{10}$ $\text{Na}_2\text{CO}_3$ Solution (b) Titration : $\text{Na}_2\text{CO}_3$ vs $\text{HCl}$	A	Able to prepare a standard solution
May	13	Ex-2 : (a) To Prepare $\frac{N}{10}$ Oxalic Acid Solution (b) Titration : Oxalic Acid vs $\text{NaOH}$ Ex-3 : Content Based Experiment (Any one)	B	Able to prepare a standard solution. Able to measure the pH of various solutions
June	12	Ex-4 : Known Tests for Acid and Basic Radicals	C	Able to identify acid and basic radicals
July	24	Ex-4 : Known test of acid and basic radicals	D	Able to determine the acid and basic radicals
August	22	Ex-5 : Salt Analysis (Unknown)	E	Able to determine the unknown acid and basic radical
<b>HALF YEARLY PRACTICAL EXAM</b>				
September	25	Ex-6 : Salt Analysis (Unknown)	F	Able to determine the unknown acid and basic radical
October	17	Ex-7 : Salt Analysis (Unknown)	G	Able to determine the unknown acid and basic radical
November	20	Ex-8 : Salt Analysis (Unknown)	H	Able to determine the unknown acid and basic radical
December	20	Ex-9 : Salt Analysis (Unknown)	I	Able to determine the unknown acid and basic radical
January	24	Ex-10 : Salt Analysis (Unknown)	J	Able to determine the unknown acid and basic radical
<b>ANNUAL PRACTICAL EXAMINATION</b>				
February	24	-----		
March	23	-----		-----

**PORTION FOR HALF YEARLY PRACTICAL EXAM : SL. NO. : A, B, C, D**

**PORTION FOR ANNUAL PRACTICAL EXAM : SL. NO. : A TO J**

# SUBJECT – BIOLOGY (TH)

**Text Book : TEXT BOOK OF BIOLOGY FOR CLASS 11 [NCERT]**

**Ref. Book : DINESH COMPANION BIOLOGY, CLASS 11, S. DINESH & S. VINESH CO.**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	The Living World Biological Classification	A	Charts, Specimens Slides (Microscope)	Will be able to differentiate organisms
May	13	Plant Kingdom	B	Charts Diagrams Pictures/ Photographs	Will be able to classify plants
June	12	Plant Kingdom (Contd...)	C	Short excursion/ pictures	Able to classify plants in various kingdoms
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Animal Kingdom Morphology of Flowering Plants Anatomy of Flowering Plants	D	Chart & Models Practical Demonstration Excursion	Able to Identify and classify Organism Technical description of Flower
August	22	Anatomy of Flowering Plants Structural Organisation in Animals	E	Practical Demonstration	Able to identify various tissues in Plants and Animals
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
September	25	Cell – The Unit of Life Biomolecules	F	Charts and Models	Understand various functions of organelles and biomolecules in life.
October	17	Cell Cycle and Cell Division Photosynthesis in Higher Plants Respiration in Plants	G	Chart, Model Video	Able to appreciate physiological process in molecular details
November	20	Plants Growth and Development Breathing and Exchange of Gases (To be evaluated in Annual Exams) Body Fluid and Circulation (To be evaluated in Annual Exam) Excretory Products and their elimination (To be evaluated in Annual Exams)	H	Chart Model Video	Understanding about role of Hormone, Learn about Impulse, working of kidney and Dialyses
December	20	Locomotion and Movement (To be evaluated in Annual Examination)	I	Chart Model	Understand about Muscle and Movement
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Neural control & co-ordination Chemical co-ordination & Integration	J	Chart/Model	Appreciate about working of Nerve, Impulse and conduction
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	-----			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCeF

### SUBJECT – BIOLOGY

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Use of Microscope for observing specimens/slides as a part of laboratory work as well as skill development.	Will be able to differentiate various Micro-organisms. Will be able to work independently with Microscopes.
May	13	Investigatory project work initiation as a part of curriculum.	Will be able to identify the 'Problem' and develop the project involving (a) Review of literature (b) Procedure (c) Observation (d) Conclusion etc.
June	12	Quiz on Living World, Biological classification and Plant-Kingdom.	Will be able to analyze the problem and come up with relevant solution.
July	24	Identification of various morphological features in School Garden Plants	Will be able to use their features in taxonomical classification
August	22	Slide preparation of Monocot and Dicot plants	Will be able to identify various tissues
September	25	Sketching of cell and labeling	Will be able to identify various organelles
October	17	Paper chromatography	Will be able to separate various pigments
November	20	Model making (Heart, lungs, kidney)	Will be able to understand physiology
December	20	Identification of various parts of Human skeleton	Will be able to precisely identify various bones
January	24	Chart of Hormones and Function	Will be able to correlate the importance of hormones and various diseases due to its imbalances.
February	24	.....	.....
March	23	.....	.....

# SUBJECT – BIOLOGY PRACTICAL

**Text Book : BOOK OF EXPERIMENT IN BIOLOGY, CLASS – XI (FRANK EMU BOOKS)**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	1. Study and describe locally available flowering plants. 2. Study of distribution of stomata on the upper and lower surface of leaves	A	Experiment & Demonstration	Students will be able to identify Morphological features and use them for classification
May	13	3. Test for presence of sugar, albumin, urea and bile salts in Urine. Project	B	Experiment & Demonstration	Students will be able to do Biochemical test and identify the various Biomolecules
June	12	4. Spotting B1, B2, B3	C	Experiment & Demonstration	Ability to use Microscope, Identify specimens with proper reasons.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	4. Spotting B1, B2, B3 5. Study of Osmosis by Potato Osmometer	D	Experiment & Demonstration	Understand Osmosis by demonstrating it
August	22	5. Study of Osmosis by Potato Osmometer	E	Experiment & Demonstration	Understand Osmosis by demonstrating it
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
September	25	6. Preparation and study of T.S. of dicot and monocot stem 7. Study of Plasmolysis in Epidermal cells	F	.....	Acquire skills to prepare sections of various specimens
October	17	8. Comparative study of rates of transpiration in upper and lower surface of leaves 9. Test for sugar, starch protein and fats	G	.....	Analytical skills and inferences Biochemical analysis skills
November	20	10. Separation of plant pigment through paper chromatography 11. Study of rate of respiration in flower buds / leaf tissues and germinating seeds	H	.....	Understand & perform chromatography
December	20	12. Spotting B4, B5, B6	I	.....	Use of Microscope and Identification with reasons.
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	13. Spotting B4, B5, B6 Project Completion	J	.....	Use of Microscope and Identification
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

# SUBJECT – COMPUTER SCIENCE (083)

Text Book : COMPUTER SCIENCE WITH PYTHON – SUMITA ARORA -XI

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	CH 1: COMPUTER SYSTEM OVERVIEW CH 2: DATA REPRESENTATION	A	PPT on Convert the binary to octal, hexadecimal and decimal numbers, binary addition	Develop a basic understanding of computer systems architecture, Os, mobile and cloud computing and understanding the number system concepts
May	13	CH 5: GETTING STARTED WITH PYTHON CH 6: PYTHON FUNDAMENTALS	B	PPT on Simple programming with python	To know the Basic concept of python programming language.
June	12	CH 7: DATA HANDLING	C	PPT on Simple programming with python	Understand the notion of data types.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	CH. 03: BOOLEAN LOGIC	D	PPT on omputation using Theorems and Gates	To know the various use of Gates in computer architecture
August	22	CH. 09: FLOW OF CONTROL CH. 10: STRING MANIPULATION	E	PPT on conditional statement and looping statements	Develop basic computational thinking. Learn how to reason with variables, state transitions, conditional and iterations.
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
September	25	CH. 04: INTRODUCTION TO PROBLEM SOLVING	F	Presentation on the use of modern technologies.	Knowing various problem solving techniques
October	17	CH. 11: LIST MANIPULATION CH. 12: TUPLES	G	PPT on Lists and Tuples	Understand the notion of higher order data structure such as lists, tuples.
November	20	CH 15: SOCIETY, LAW AND ETHICS CH 13: DICTIONARIES	H	PPT on Society, Law and Ethics	Understand the notion of higher order data structure such as dictionaries
December	20	CH 08: INTRODUCTION TO PYTHON MODULES	I	PPT on Dictionaries	Understand the notion of higher order data structure such as dictionaries
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Ch. 14: CYBER SAFETY	J	Presentation on online access and cyber security	To gain knowledge about various cyber crimes and how to handle them
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	-----			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

### SUBJECT – COMPUTER SCIENCE (083)

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Laboratory Work : Hands On Experience – To create a presentation on 'Conversion of Binary to Decimal number system and vice-versa'.	Students will be able to understand the basic concepts number system and will be able to perform various conversions.
May	13	Laboratory Work : Hands On Experience – 1. To write a program in python that check whether a number is even or odd. 2. To write program in python to calculate the factorial of a number.	Students will be able to do simple programs using Python and to implement conditional and looping statements.
June	12	Laboratory Work : Hands On Experience – 1. To write a program to check whether a number is Armstrong number or not. 2. To write a program in python to display the Fibonacci series of n terms. 3. To write a program in python to find the reverse of a number without using any functions. 4. To write a python in python program to check whether a number is Pallindrome or not.	Students will be able to do Python programs using conditional and looping statements.
July	24	<b>Laboratory Work:</b> Hands On Experience : 1. To Count and display the number of vowels, consonants, uppercase, lowercase characters in string To write a program to find the Buzz numbers within a given range.	Students will be able to do Python programs using conditional and looping statements.
August	22	<b>Laboratory Work:</b> Hands On Experience : 1. To Write a program that reads a line and prints its statistics like: <i>Number of uppercase letters:      Number of lowercase letters:</i> <i>Number of alphabets:                Number of digits:</i>	Students will be able to do Python programs with string manipulation.
September	25	<b>Laboratory Work:</b> Hands On Experience : 1. To write a program to calculate mean of a given list of numbers. 2. To write a program to search for an element in a given list of numbers.	Students will be able to do Python programs using conditional and looping statements and also with lists
October	17	<b>Laboratory Work:</b> Hands On Experience : To write a program to count frequency of a given element in a list of numbers.	
November	20	<b>Laboratory Work:</b> Hands On Experience : 1. Write a program that takes as input a tuple T and prints the second largest element in the tuple. 2. Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.	Students will be able to do Python programs using lists and dictionaries.
December	20	<b>Laboratory Work:</b> Hands On Experience : 1. A dictionary contains details of two workers with their names as keys and other details in the form of dictionary as value. Write a program to print the workers' information in record format.	Students will be able to do Python programs using dictionaries.
January	24	.....	.....
February	24	.....	.....
March	23	.....	.....

# SUBJECT – COMPUTER SCIENCE PRACTICAL

**Text Book : COMPUTER SCIENCE WITH PYTHON – SUMITA ARORA -XI**

MONTH	W.D.	COURSE CONTENT	LEARNING OUTCOMES
April	24	PR 1: Write a program in python to find the sum and average of three numbers. PR 2: Write a program in python to swap two numbers with the help of third variable. PR 3: Write a python program that takes input of three numbers and display the largest number out of the three. PR 4: Write a program to input the value of x and n and print the sum of the following series: $1 + x + x^2 + x^3 + x^4 + \dots + x^n$ .	To learn simple program using Python
May	13	PR 5: Write a program that check whether a number is even or odd. PR 6: Write a program to calculate the factorial of a number.	To implement conditional and looping statement
June	12	PR 7: Write a program to check whether a number is Armstrong number or not. PR 8: Write a program to display the Fibonacci series of n terms. PR 9: Write a program to find the reverse of a number without using any functions. PR 10: Write a python program to check whether a number is Pallindrome or not.	To implement the use of while loop and for loop
July	24	<b>EXP. 11:</b> Count and display the number of vowels, consonants, uppercase, lowercase characters in string <b>EXP. 12:</b> Write a program to find the Buzz numbers within a given range.	Use of random functions in python programs.
August	22	<b>EXP. 13:</b> Write a program that reads a string and then prints a string that capitalizes every other letters in the string eg:-computer becomes cOmPuTeR <b>EXP. 14:</b> Write a program that reads a string and checks whether it is palindrome string or not <b>EXP. 15:</b> Write a program that reads a line and prints its statistics like: <i>Number of uppercase letters:</i> <i>Number of lowercase letters:</i> <i>Number of alphabets:</i> <i>Number of digits:</i>	How to compute string operation in python.
<b>HALF YEARLY PRACTICAL EXAM</b>			
September	25	<b>EXP. 16:</b> Write a program to calculate mean of a given list of numbers. <b>EXP. 17:</b> Write a program to search for an element in a given list of numbers.	Implementation of lists in python programs.
October	17	<b>EXP. 18:</b> Write a program to count frequency of a given element in a list of numbers.	List Manipulations
November	20	<b>EXP. 19:</b> Write a program that takes as input a tuple T and prints the second largest element in the tuple. <b>EXP. 20:</b> A dictionary contains details of two workers with their names as keys and other details in the form of dictionary as value. Write a program to print the workers' information in record format.	Implementation of tuple and dictionaries in python programs.
December	20	<b>EXP. 21:</b> Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.	To learn the various techniques of sorting using python dictionary.
January	24	<b>ANNUAL PRACTICAL EXAM</b>	
February	24	.....	.....
March	23	.....	.....

## SUBJECT – PHYSICAL EDUCATION (TH)

Text Book : A TEXT BOOK OF PHYSICAL EDUCATION (RATNA SAGAR) CLASS - XI

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Unit – 1 : Changing Trends and Career in Physical Education	A	PPTs & Free Talks	Knowledge about career options in the field of sports. Recognise the concept aim & object of P.Ed.
May	13	Unit – 2 : Olympism	B	PPTs	To promote & encourage youth for good health & to become good citizen. Incorporate values of Olympism in your life.
June	12	Unit – 3 : Yoga	C	PPTs	How to make our posture correct & improve concentration. Concept of Yoga and be aware of the importance of it. Know about relaxation technique.
<b>PT-1 (28.06.2024)</b>					
July	24	<b>PT-1 (01.07.2024 to 05.07.2024)</b>			
		Unit – 4 : Physical Education and Sports for CWSN (Children with Special Needs)	D	Free Talks	To develop student's motor skills
August	22	Unit – 5 : Physical Fitness, Health and Wellness	E	Free Talks	Improve your Health and reduce the risk.
September	25	<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>			
		Unit – 6 : Test, Measurement & Evaluation	F	PPTs	Describe unit of measurement
October	17	Unit – 7 : Fundamentals of Anatomy & Physiology in Sports	G	Free Talks	Knowing about human body relation
November	20	Units – 8 : Fundamental of Kinesiology and Biomechanics in Sports	H	PPTs	Knowledge of mechanism and principles of sports
December	20	Unit – 9 : Psychology and Sports	I	PPTs	Knowledge about human behaviour
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
January	24	<b>PT-3 : 03.01.2025 to 08.01.2025</b>			
		Unit – 10 : Training and Doping in Sports	J	Free Talks	Knowledge about doping and training
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	-----			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

### SUBJECT – PHYSICAL EDUCATION

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	SAI Khelo India Physical Fitness Test : 50 mtr dash, Shuttle Run, Chess, Carrom	The learner – Learn neuro muscular co-ordination and motor skills development.
May	13	SAI Khelo India Physical Fitness Test : Push up for boys & Modified push up for girls Yoga, Kho-Kho / Volleyball	The learner – Learn purification of mind, body and soul, releases for stress and anxiety.
June	12	SAI Khelo India Physical Fitness Test : Partial Curl up & Standing Broad Jump Football / Basketball	The learns – Learn how to develop the physical fitness components (speed, strength, agility, endurance balance). The learners also learn basic team work, co-operation and build leadership quality.
July	24	Athletics – Running Team Game : Football	Developing skills and using team to improve the overall success of a performance
August	22	Athletics – Running Team Game : Volleyball	Developing skills and using team to improve the overall success of a performance
September	25	Team Game : Badminton	To develop more positive attitude towards challenges, winning and losing thus preparing students for life and for the workshop
October	17	Athletics – Standing Broad Jump Team Game : Kho-Kho	To help release of emotional stress, anxiety and tension, leading to a reduce risk of depression.
November	20	Athletics – Running Team Game : Cricket	To develop interest in exercise, sports and games for self-satisfaction and make it a part of life.
December	20	Athletics – Long Jump Team Game : Football	To enable an individual to enhance inner qualities, self mastery, discipline, courage and efficiency.
January	24	Athletics – Running Team Game : Cricket	To enable an individual to enhance inner qualities, self mastery, discipline, courage and efficiency
February	24	Revision	.....
March	23	.....	.....

# SUBJECT – PHYSICAL EDUCATION PRACTICAL

**Text Book : PRACTICAL MANUAL PHYSICAL EDUCATION (ARIHANT) CLASS - XI**

MONTH	W.D.	COURSE CONTENT	SI No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	SAI Khelo India Physical Fitness Test, Brockport Physical Fitness Test (BPFT)	A	Group Activity	Knowledge of physical fitness speed Agility, Endurance Balance, co-ordination, strength develop.
May	13	50 mt Dash, 600 mt Run/Walk, Push-up (Boys), Modified Push-up (Girls)	B	Group Activity	Speed & endurance & Agility & Upper body strength develop.
June	12	Sit & Reach Test, Flamingo Balance Test, Plate Tapping Test	C	Group Activity	Flexibility of back muscles & Neuromuscular Co-ordination & Balance.
July	24	Labelled diagram of 400 mt Track & Field Motor Fitness Test : 600 mt Run/Walk, Standing Broad Jump, 50 mt Dash	D	Group Activity	Knowledge of 400 mt track drawing
August	22	Describe changing trends in sports in term of change in playing surface, wearable gears and sports equipment. (Partial Curl-up, Push-up (B); Modified push-up (G), Sit & Reach Test)	E	Group Activity	Knowledge about different playing surface
September	25	Yoga Practise – Vajrasana, Padmasana, Bhujangasana, Halasana, Brikshasana, Trikonasana, Paschimottasana	F	PPTs	To check Flexibility
October	17	Yoga Practice – Halasana, Vajrasana, Padmasana, Pawanmuktasana, Chakrasana, Ardha-chakrasana	G	PPTs	Improve flexibility and concentration
November	20	Any one game of your choice out of the list given Basketball, Football, Cricket, Kabaddi, Kho-Kho, Volleyball	H	Group Activity	Knowledge about different games/sports
December	20	Any one game of your choice	I	Free talks	Knowledge about different games/sports
January	24	Labelled diagram of field & equipment (Rules, Terminology & Skills)	J	Free Talks & Group Activity	Knowledge about different games/sports
February	24	ANNUAL EXAM			-----
March	23	-----			-----

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR ANNUAL EXAM : SL. NO. : A TO J (Entire Syllabus) As per CBSE Curriculum**

# SUBJECT – ACCOUNTANCY

**Text Books :** 1. A TEXT BOOK FOR ACCOUNTANCY FOR CLASS XI PART I : NCERT  
2. A TEXT BOOK FOR ACCOUNTANCY FOR CLASS XI PART II : NCERT

**Reference Book :** 1. ACCOUNTANCY FOR CLASS XI

**D.K. GOEL, RAJESH GOEL & SHELLY GOEL.**

**PUBLISHER: AVICHAL PUBLISHING COMPANY (ARYA PUBLICATIONS)**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Ch.1 : Introduction to Accounting Ch.2 : Theory Base of Accounting	A	Demonstration and interpretation	Describe the meaning, significance, objective of accounting. Explain the meaning and objectives of accounting standards.
May	13	Ch.3 : Recording of Business Transactions - I	B	Accounting chart and diagram	Explain the concept of accounting equation, Debit & Credit, Journal
June	12	Ch.4 : Recording of Business Transactions – II (Upto Double Column Cash Book)	C	Accounting chart and Interpretation	Develop the understanding of recording of transactions.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Preparation of Ledger, Trial Balance and Bank Reconciliation Statement	D	Graphical representation and interpretation	Concept & preparation of Bank Reconciliation Statement, Ledger and Trial Balance.
August	22	Rectification of Error	E	Analysing through accounting formats	Concept of Bills of exchange transactions and different terms, Accounting treatment. Passing rectifying entry before and after Trial Balance
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Ch 5 : Depreciation, Provisions and Reserves (Partly)	F	Analysing through accounting formats	Concept, causes & objectives of depreciation. Methods & accounting treatment of depreciation.
October	17	Ch 5 : Depreciation, Provisions and Reserves (Remaining Part)	G	Analysing through accounting formats	Concept of different types of provisions and reserves, Accounting treatment.
November	20	Ch 8 : Financial Statements of Sole Proprietorship Business (Partly)	H	Analysing through diagram and chart	Preparation of Trading & Profit & Loss A/c and Balance Sheet. Basic terms Gross Profit, Net profit and Operating Profit.
December	20	Ch 8 : Financial Statements of Sole Proprietorship Business (Partly)	I	Analysing through diagram and chart	Adjustments of different items in preparing financial statements.
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Ch 8 : Financial Statements of Sole Proprietorship Business (Remaining Part) Accounts from Incomplete Records Assignment and collection of project work	J	Using formats and charts for interpretation, diagrammatic representation of computer and its peripherals	Adjustments of different items in preparing financial statements
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

# SUBJECT – BUSINESS STUDIES

**Text Book : BUSINESS STUDIES FOR CLASS XI (NCERT)**

**Reference Book : BUSINESS STUDIES FOR CLASS XI, POONAM GANDHI**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	CH.1 : Nature & Purpose of Business	A	Demonstration and interpretation by charts	To acquaint the history of trade & commerce. Understand the meaning and characteristics of Business. Examine the nature and causes of Business Risk.
May	13	CH. 2 : Forms of Business Organisation	B	Interpretation through charts and diagram	Analysing the different forms of Business organisation and their merits and demerits.
June	12	CH 3: Private, Public & Global Enterprises	C	Analysing ideas through interpretation	Develop an understanding of Public sector, Private sector and Global enterprises.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	CH.4: Business Services CH.5 Emerging Modes of Business (Partly)	D	Using diagrams for interpretation of ideas. Application of practical concept of e-business	Concept of business services. Types of business services. Concepts, scope and benefits of e-business.
August	22	CH.5 Emerging Modes of Business (Remaining Part) CH 6 : Social Responsibility of Business & Business Ethics	E	Application of practical concept of e-business. Analysing and interpretation of ideas and facts.	Concepts, scope and benefits of e-business. Concept of social responsibility, social responsibility of business to different interest groups, environment protection & business ethics
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	CH.7 : Sources of Business Finance (Partly)	F	Interpretation through charts and diagrams	Concept of business finance. Meaning, features, merits & limitations of various types of funds.
October	17	CH.7 : Sources of Business Finance (Remaining Part)	G	Interpretation through charts and diagrams	Concept of business finance. Meaning, features, merits & limitations of various types of funds.
November	20	Ch.9 : Internal Trade	H	Analysing and interpretation of ideas and facts	Concept of internal trade, services of wholesalers and retailers GST, various types of retail trade
December	20	CH. 8 : Small Business	I	Interpretation through charts and diagrams.	Concept of entrepreneurs- hip development and intellectual property rights. Concept and role of small business and various Government schemes.
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	CH. 10 : International Trade Assignment & Collection of Project Work.	J	Interpretation through charts and diagrams.	Concept and benefits & procedure of export and import trade. Documents used in international trade. Meaning and objectives of WTO
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
March	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## SUBJECT – ECONOMICS (030)

**Text Books : 1. STATISTICS FOR ECONOMICS [NCERT]**

**2. INTRODUCTORY MICRO ECONOMICS [NCERT]**

**Reference Books : 1. STATISTICS FOR ECONOMICS [T.R. JAIN & V.K. OHRI]**

**2. INTRODUCTORY MICRO ECONOMICS [T.R. JAIN & V.K. OHRI]**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Statistics for Economics Ch. 1 : Concept of Economics & Significance of Statistics in Economics Ch. 2 : Collection of Data Ch. 3 : Census & Sample Methods of Collection of Data	A	Enlisting different organisations that are important sources of Secondary Data. Preparing Frequency Distribution Table on a Chart Paper.	Analyse & interpret data related to various issues / events related to the Indian Economy
May	13	Introductory Micro Economics Ch. 1 : Economics & Economy Ch. 2 : Central Problems of an Economy.	B	Drawing a flow chart on Central Problems of an Economy	Examine the foundation of an economy & inquire about the basic economic problems & Discuss the three central problems of an economy & determine the resource allocation.
June	12	Statistics for Economics Ch. 4 : Organisation of Data Ch. 5 : Presentation of Data – Textual & Tabular Presentation	C	Diagrammatic Representation of Textual & Tabular Presentation	Analysing the difference between frequency graphs of equal & unequal class data distribution Demonstrating their understanding of parts of a table by tabulating a given set of data.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Micro Economics : Ch. 3 : Consumer's Eqm – Utility Analysis Ch. 4 : Consumer's Eqm – Indifference Curve Analysis Statistics : Ch. 6 : Diagrammatic Presentation of Data – Bar & Pie Diagram Ch. 7 : Frequency Diagram Histogram, Polygon & Ogive Ch. 8 : Arithmetic lines Graphs or Time Series Graphs	D	Chart Showing IC – Consumer's eqm under ordinal & cardinal approach Preparation of graph on Histogram, Polygon & Ogive, Line graph	Discuss consumer equilibrium with the help of indifference curve Analyse & interpret data related to various issues/events related to Indian Economy.

<b>August</b>	22	Micro Economics : Ch. 5 : Theory of Demand Ch. 6 : Elasticity of Demand (Price) Statistics Ch. 9 : Measures of Central Tendency – Arithmetic mean	E	Gaming the system – Playing with supply & Demand	Draw a demand curve & how its used to illustrate movement, extension & contraction in Demand.  Describes the role & methods of calculating A.M. for variou kinds of data.
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
<b>September</b>	25	Micro Economics : Ch. 7 : Production Function & Returns to a factor	F	Slide show & PPT making pgroupwise	Models out how a productoin function gives the maximum quantity of output that can be produced for various quantities of inputs.
<b>October</b>	17	Micro Economics : Ch. 8 : Concept of Cost Ch. 9 : Concept of Revenue Ch. 10 : Producer’s Equilibrium	G	Chart Showing different cost schedules FC, AVC, ATC, TC etc.	Explain firms costs & revenue goals using total, average & marginal, total cost (TC), average total cost (ATC), fixed cost (FC), variable cost (VC), average fixed cost (AFC), average variable cost (AVC) & MC.
<b>November</b>	20	Statistics : Ch. 10 : Measure of central Tendency – Median & Mode Micro Economics : Ch. 11 : Theory of supply & Price Elasticity of Supply	H	Curves showing different Price Elasticity of supply on chart	Describe the role & methods of calculating the median & mode for various kinds of data.  Draw a supply come & how is it used to illustrate movement, extension & contraction in supply.
<b>December</b>	20	Micro Economics : Ch. 12 : Forms of Market, Perfect Competition Ch. 13 : Market Equilibrium under perfect competition & Effects of shifts in Demand & supply	I	Tree making king of different features of perfect competition market	Explain competitive markets & use diagram to show the effect of large number of firms on prices, quantity, choice & profit.  Explain market eqm, draw & interpret demand & supply schedules & curves used to identify disequilibrium prices & shortages.
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
<b>January</b>	24	Statistics : Ch. 11 : Correlation Ch. 12 : Index Number	J	Writing all the formulas related to the chapter on a A/4 size chart paper	Understand the usage of different coefficient of covelation methods to a linear relationship between variables.  Explain how inflation is measured using the different index numbers
<b>February</b>	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
<b>March</b>	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**  
**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**  
**PORTION FOR PT-3 : SL. NO. : F, G, H, I**  
**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

# ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCeF

## SUBJECT – ECONOMICS

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Statistics for Economics Ch. 2 : Collection of Data Activity : Flow chart showing different methods of collecting primary & Secondary Data.	To integrate the sub-topics & understand the coherence of the chapter.
May	13	Introductory Micro Economics Ch. 2 : Central Problems of an Economy Activity : Diagrammatic Presentation of 'PPC' or 'PPF'	Identification of the context through illustrations.
June	12	Statistics for Economics Ch. 5 : Presentation of Data – Textual & Tabular Presentation Activity : (1) Assignment on different part of Table. (2) Class Test.	Understanding & identifying the measurable skills, abilities, knowledge, or values that students should be able to demonstrate as a result of a completing a course.
July	24	Micro Economics : Ch – Consumer’s Eqm – Utility Analysis & Indifference curve Analysis Activity : Diagram on different concepts like consumer’s eqm under ordinal utility, TU & MU etc.	Students can able to understand the equilibrium condition of the consumer under ordinal utility approach, i.e., the tangency between the budget line & the Indifferene curve.
August	22	Statistics : Ch – Central Tendency – Arithmetic mean Activity : Finding out the mean height & weight of the entrie class XI E.	Describes the meaning of Arithmetic mean & different ways of calculating Arithmetic mean.
September	25	Micro Economics : Ch. – Production Function. Activity : Making Groups & discussing on the reelevant subtopics.	By discussing among the groups it makes clarity on the subtopics of the production function chapter.
October	17	Micro Economics : Producer’s Equilibrium Activity : Making charts on producer’s eqm case	Understanding complex ideas through visual stimulation.
November	20	Micro Economics : Ch – Theory of supply & Price Elasticity of Supply. Activity : Constructing different degrees of price elasticity of supply	Stuents learn – Different degress of price elasticity of supply.
December	20	Micro Economics : Ch. – Forms of market. Activity : Chart showing different example of perfect competition market	Understand the concept of perfect competition by visual stimulation like chart etc.
January	24	Statistics : Ch. – Correlation Ch. – Index Number Activity : Class test by giving assignment	It plays a significant role in the teaching learning process.
February	24	Annual Exam	-----
March	23	-----	-----

# SUBJECT – GEOGRAPHY (TH)

**Text Books : A. FUNDAMENTALS OF PHYSICAL GEOGRAPHY [NCERT]  
B. INDIA - PHYSICAL ENVIRONMENT [NCERT]**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	A : Ch-1 Geography as a Discipline B : Ch-1 India - Location	A	Observe the surrounding and identify the variation in natural as well as cultural phenomena	Students will be able to * Explain the meaning of geography as an integrating discipline. * Explain the location of India and the diversity of the country.
May	13	A : Ch-2 The Origin and Evolution of the Earth B : Ch-2 Structure and Physiography	B	On an outline map of India mark and label the physiographic divisions of India	Students will be able to * Describe the Big Bang, Planetesimal theory, Nebular Hypothesis related to the origin of the universe. * Describe major physiographic divisions and the process of their formation.
June	12	A : Ch-3 Interior of the Earth B : Ch-2 Structure and Physiography	C	Slide show / Videos on earth's interior	Students will be able to * Explain the interior structure of the earth. * Explain earthquake, volcanoes and its landforms. * Locate the major physical features on the map of India.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	A : Ch- 4 : Distribution of oceans and continents B : Ch- 3 : Drainage System	D	On an outline map mark and label a. Major plate boundaries b. Ring of fire c. Hot spot Volcanoes Prepare a map on different rivers in India	Students will be able to * Know about continental Drift Theory, Process of Drift, Significance and its impact. * Eluciate the evidence in support of the Continental Drift Theory * Understand the effects of Plate Movement * Explain Himalayan and Peninsular rivers.
August	22	A : Ch – 5 : Geomorphic processes A : Ch-6 : Landforms and their Evolution Revision, Map Pointing	E	Prepare a concept map to show exogenic and endogenic processes	Students will be able to * Explain the physical and chemical weathering, soil formation. * Know about different types of landform evolved through running water, wind, glacier.
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	A : Ch-7 : Composition and Structure of Atmosphere B : Ch-4 : Climate	F	Draw a well labelled diagram to show different layers of the atmosphere.	Students will be able to * Eluciate different layers of atmosphere and its features * Know about the factors influencing climate of India and its effect.
October	17	A : Ch- 8 : Solar Radiation, Heat balance and Temperature A : Ch. 9 : Atmospheric Circulations and Weather Systems	G	PPT/Slide Show on Weather System	Students will be able to * Know about factors affecting temperature of atmosphere and the heat budget * Understand the weather system present in different parts of India and the winds influencing the weather conditions

<b>November</b>	20	A : Ch. – 10 : Water in the atmosphere A : Ch.- 11 : World Climate and Climate change (To be tested through internal assessments in the form of project and presentation)	H	Project on World Climate	Students will be able to * Eluciate different forms of water in the atmosphere * Know about different types of rainfall. * Understand the type of climates present in different parts of the world.
<b>December</b>	20	Revision A : Ch-12 : Water (Oceans)	I	List out the difference between fresh water and Saline water	Students will be able to * Name and locate the world's oceans. * Describe the vertical and horizontal distribution of ocean water and salinity of ocean water.
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
<b>January</b>	24	A : Ch-13 : Movements of Ocean Water B : Ch-5 : Natural Vegetation B : Ch-6 : Natural Hazards and Disasters (To be tested through internal assessment in the form of projects and presentation) A : Ch-14 : Biodiversity and Conservation (To be tested through internal assessments in the form of project and presentation)	J	Map pointing showing warm and cold ocean current Map Pointing showing wild life sanctuaries, National Park, Bird sanctuaries in India	Students will be able to * Explain tides, currents and waves * Analyze the economic significance of tides. * Recognise the importance of forest cover in the country and its spatial distribution * Classify different types of hazards and disasters, its causes, effects and mitigation policy * Define ecology and related terms and explain the need for ecological balance.
<b>February</b>	24	Map Pointing, Revision			
<b>ANNUAL EXAMINATION (14.02.2025 to 26.02.2025)</b>					
<b>March</b>	23	.....			

**PORTION FOR PT- 1 : SL. NO. : A, B, C**  
**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**  
**PORTION FOR PT-3 : SL. NO. : F, G, H, I**  
**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

### SUBJECT – GEOGRAPHY

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	Geography as a Discipline – Observe the surrounding and identify variation in natural as well as cultural phenomena.	Students will be able to understand how human being interact with nature and changes with the nature.
May	13	Structure and Physiography – On an outline map of India mark & label the physiographic divisions of India.	To identify the different physiographic divisions of India and increase knowledge about the features of different divisions.
June	12	Interior of the earth. Class Test	To develop the skills, abilities, knowledge or values to demonstrate as a result of a completion of a course.
July	24	Distribution of Oceans and Continents : On an outline map mark and label a. Major plate boundaries, b. Ring of fire, c. Hot spot volcanoes	Students will be able to know which regions are prone to earthquake and volcanic eruption.
August	22	Geomorphic Processes : Prepare a concept map to show exogenic and endogenic processes	Students will be able to list out the exogenic and endogenic factors leading to weathering.
September	25	Composition and structure of Atmosphere : Draw a well labelled diagram to show different layers of the atmosphere	Students will be able to say the thickness of different layers of atmosphere
October	17	Solar Radiation, Heat Balance and Temperature : Class Test	Students will be able to recall their gained knowledge
November	20	Water in the atmosphere : Quiz	Students will be able to recapitulate their knowledge
December	20	Water (Oceans) List out the difference between fresh water and saline water	Students will be able to know how water is a resource
January	24	Natural Vegetation : On an outline map of India locate and label different types of vegetation present in India.	Students will be able to identify different types of vegetation in India.
February	24	.....	.....
March	23	.....	.....

# SUBJECT – GEOGRAPHY PRACTICAL

**Text Book : PRACTICAL WORK IN GEOGRAPHY (NCERT) PART - 1**

MONTH	W.D.	COURSE CONTENT	SI No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Ch-1 Introduction to Maps	A	Prepare a chart with different type of maps	Students will be able to * Describe different type of maps and their uses.
May	13	Ch-2 Map Scale	B	Convert linear scale into R.F.	Students will be able to * Draw map scale and convert into different forms of map scale.
June	12	Ch-3 Latitude, Longitude and Time	C	Calculate the time of different place where the longitude will be given	Students will be able to * Describe the relation between longitude and time.
July	24	Ch-4 : Map Projections	D	Drawing of projections	Students will be able to * Construct different types of projections
August	22	Ch- 4 : Map Projections	E	-----	Students will be able to * Know the importance of map projections
September	25	Ch- 5 : Topographical Maps	F	Drawing contours from a given cross-section	Students will be able to * Interpret the physical features present in the map.
October	17	Ch- 5 : Topographical Maps	G	Interpretation of a Topographical Map	Students will be able to * Interpret the socio-economic features present in the map.
November	20	Ch- 5 : Topographical Maps	H	-----	Students will be able to * Explain the use of topographical maps
December	20	Ch – 6 : Introduction to Remote Sensing	I	Concept Map on Remote Sensing	Students will be able to * Know the use of remote sensing.
January	24	Ch – 6 : Introduction to Remote Sensing	J	-----	Students will be able to * Explain the importance of remote sensing.
February	24	-----			-----
March	23	-----			-----

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A to E**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J**

# SUBJECT – INFORMATION TECHNOLOGY (802)

**Text Book : INFORMATION TECHNOLOGY – PREETI SAXENA - XI**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	PART - B : UNIT - 3 : OFFICE AUTOMATION TOOLS	A	PPT on Writer documents	To know various functions of Open Office .org Writer
May	13	PART - A : UNIT - 1 : COMMUNICATION SKILLS - III	B	PPT on Writer documents based on communication skills	Students will be able to understand an apply knowledge of human communication and language process as they occur across various contexts.
June	12	PART - A : UNIT - 3 : SELF MANAGEMENT SKILLS - III	C	PPT on Writer documents based on self management skills.	To know what is self awareness, self motivation, self regulation.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	PART B: UNIT-4: RDBMS	D	PPT on SQL commands and queries.	Students will be able to write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS.
August	22	PART B: UNIT - 1 : COMPUTER ORGANIZATION	E	PPT on Computer Organization	To have knowledge on computing devices and storage devices.  To have knowledge on networking devices and its functions.
<b>HALF YEARLY EXAMINATION : 02.09.2024 TO 13.09.2024</b>					
September	25	PART B: UNIT - 2 : NETWORKING AND INTERNET	F	PPT on Networking And Internet.	To have knowledge on networking devices and its functions.
October	17	PART A: UNIT 3: ICT SKILLS-III PART A: UNIT 4 : ENTREPRENEURIAL SKILLS-III	G	PPT on ICT Skills-III & Entrepreneurial Skills-III	To know the basic concept of computers and its working.
November	20	PART B: UNIT-5: FUNDAMENTALS OF JAVA	H	PPT on JAVA Fundamentals	Use an integrated development environment to write, compile, run, and test simple Java programs.
December	20	PART B: UNIT-5: FUNDAMENTALS OF JAVA	I		To know the functionalities of an entrepreneur
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	PART A: UNIT 5 : GREEN SKILLS-III	J	PPT on Green Skills-III	To know how to develop keeping our environment clean
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 TO 26.02.2025)</b>					
March	23	.....	.....	.....	.....

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

# ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrf

## SUBJECT - INFORMATION TECHNOLOGY (802)

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	24	<b>Laboratory Work:</b> Hands On Experience : <ol style="list-style-type: none"> <li>1. Create a document in Open Office .org Writer on the topic “Pros and Cons of Written Communication” using header and footer.</li> <li>2. Create a poster in open office .org writer on the topic “Verbal Communication” using images.</li> </ol>	Students will be able to create Writer documents and posters using various writer formatting features.
May	13	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Create a poster in Open Office .org Impress on the topic “Written Communication” using images.</li> <li>2. Create a poster in Open Office .org Impress on the topic “Different Types of Feedback” using images.</li> </ol>	Students will be able to create posters in Impress using various Impress formatting features.
June	12	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Create a <b>PRODUCT</b> table in open office .org calc with the following fields: P_ID, P_NAME, P_CP, P_SP, PROFIT. Enter any 5 records and calculate the profit using formulas. Also, calculate the maximum profit and loss using functions.</li> </ol>	Students will be able to create tables in calc and can do calculations using formulas and functions.
July	24	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write SQL commands to create a BOOK table with the following fields: B_ID, B_NAME, AUTHOR, PUBLISHER, B_PRICE and insert any five records. (S_ADMNO should be a Primary Key field) After creating the table, write the SQL query to display the whole table.</li> <li>2. Write SQL commands to create a STUDENT table with the following fields: S_ADMNO, S_ROLLNO, S_NAME, S_CLASS, S_ADDRESS and insert any five records. (S_ADMNO should be a Primary Key field and S_ROLLNO should be a Unique Key field) After creating the table, write the SQL query to display the whole table.</li> </ol>	Students will be able to create tables in MySQL using constraints.
August	22	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Global Warming” in open office .org impress using custom animation and slide transition.</li> </ol>	Students will be able to design presentations using open office .org Impress with various formatting features, custom animation and slide transition.
September	25	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Deforestation and its effects” in open office .org impress using custom animation and slide transition.</li> <li>2. Design a presentation on “Digital Footprints” in open office .org Impress using custom animation and slide transition.</li> </ol>	

<b>October</b>	17	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Networks and its Types” in open office .org impress using custom animation and slide transition.</li> <li>2. Design a presentation on “Topology and types of topology” in open office .org impress using custom animation and slide transition.</li> </ol>	
<b>November</b>	20	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write a program in java to calculate the addition and subtraction of any two numbers. (Using GUI interface)</li> <li>2. Write a program in java to calculate the square and cube of a number. (Using GUI interface)</li> </ol>	Students will be able to design GUI interface using Java Netbeans and can write simple Java programming codes.
<b>December</b>	20	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write a program in java to check whether a number is even or odd. (Using GUI interface)</li> <li>2. Write a program in java to convert the temperature in Celsius to Fahrenheit where <math>^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}</math> (Using GUI interface)</li> </ol>	
<b>January</b>	24	<b>ANNUAL PRACTICAL EXAM</b>	-----
<b>February</b>	24	-----	-----
<b>March</b>	23	-----	-----

# SUBJECT - INFORMATION TECHNOLOGY (802) (PRATICAL)

**Text Book : INFORMATION TECHNOLOGY – PREETI SAXENA - XI**

MONTH	W.D.	COURSE CONTENT	LEARNING OUTCOMES																		
April	24	PR 1 : Create a document in open office .org writer on the topic 'Pros and Cons Of Written Communication' using header and footer. PR 2 : Create a poster in open office .org writer on the topic 'Verbal Communication' using images.	To use writer formatting features																		
May	13	PR 3 : Create a STUDENT table in open office .org calc with the following fields : S_ROLLNO, S_NAME, ENG, MATHS, ACC, BST, ECO, IT, TOTAL, PERCENTAGE. Enter any 5 records and calculate the Total and Percentage using formulas.	Students will be able to create tables in calc and can do calculations using formulas and functions.																		
June	12	PR 4 : Create a PRODUCT table in open office .org calc with the following fields : P_ID, P_NAME, P_CP, P_SP, PROFIT. Enter any 5 records and calculate the profit using formulas. Also, calculate the maximum profit and loss using functions.																			
July	24	<p><b>PR 5:</b> Write SQL commands to create a BOOK table with the following fields: B_ID, B_NAME, AUTHOR, PUBLISHER, B_PRICE and insert any five records.                      (S_ADMNO should be a Primary Key field)                      After creating the table, write the SQL query to display the whole table.</p> <p><b>PR 6:</b> Write SQL commands to create a STUDENT table with the following fields: S_ADMNO, S_ROLLNO, S_NAME, S_CLASS, S_ADDRESS and insert any five records.                      (S_ADMNO should be a Primary Key field and S_ROLLNO should be a Unique Key field)                      After creating the table, write the SQL query to display the whole table.</p> <p><b>PR 7:</b> To write SQL queries based on the ITEM table.                      (Pg. 23 of Lab Manual).</p> <p><b>PR 8:</b> To create an SQL table named as "SPORTS" with the following specifications:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Field name</th> <th style="text-align: center;">Data type</th> <th style="text-align: center;">Constraint</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Sport_id</td> <td style="text-align: center;">Int</td> <td style="text-align: center;">Primary key</td> </tr> <tr> <td style="text-align: center;">Sport_name</td> <td style="text-align: center;">Varchar(25)</td> <td></td> </tr> <tr> <td style="text-align: center;">No_of_players</td> <td style="text-align: center;">Int</td> <td style="text-align: center;">Not NULL</td> </tr> <tr> <td style="text-align: center;">Sports_Fees</td> <td style="text-align: center;">Float(9,2)</td> <td></td> </tr> <tr> <td style="text-align: center;">Date_of_Event</td> <td style="text-align: center;">Date</td> <td></td> </tr> </tbody> </table> <p>After creating the table, write the SQL query to display the whole table.</p>		Field name	Data type	Constraint	Sport_id	Int	Primary key	Sport_name	Varchar(25)		No_of_players	Int	Not NULL	Sports_Fees	Float(9,2)		Date_of_Event	Date	
Field name	Data type	Constraint																			
Sport_id	Int	Primary key																			
Sport_name	Varchar(25)																				
No_of_players	Int	Not NULL																			
Sports_Fees	Float(9,2)																				
Date_of_Event	Date																				

		<p><b>PR 9:</b> Create an “EMPLOYEE table” in open office .org calc with the following fields: E_ID, E_NAME, E_PERFORMANCE_RATE. Insert any five records and display it graphically using Column Chart.</p> <p><b>PR 10:</b> Create an “PRODUCT table” in open office .org calc with the following fields: P_ID, P_NAME, P_SALE_PERCENTAGE. Insert any five records and display it graphically using Bar Chart.</p>	
<b>August</b>	22	<b>PR 11:</b> Design a presentation on “Global Warming” in open office .org impress using custom animation and slide transition.	LEARN TO MAKE PRESENTATION
		<b>HALF YEARLY PRACTICAL EXAM</b>	
<b>September</b>	25	<p><b>PR 12:</b> Design a presentation on “Deforestation and its effects” in open office .org impress using custom animation and slide transition.</p> <p><b>PR 13:</b> Design a presentation on “Digital Footprints” in open office .org impress using custom animation and slide transition.</p>	LEARN TO MAKE PRESENTATION
<b>October</b>	17	<p><b>PR 14:</b> Design a presentation on “Networks and its Types” in open office .org impress using custom animation and slide transition.</p> <p><b>PR 15:</b> Design a presentation on “Topology and types of topology” in open office .org impress using custom animation and slide transition.</p>	
<b>November</b>	20	<p><b>PR 16:</b> Write a program in java to calculate the addition and subtraction of any two numbers. (Using GUI interface)</p> <p><b>PR 17:</b> Write a program in java to calculate the square and cube of a number. (Using GUI interface)</p> <p><b>PR 18:</b> Write a program in java to find the area and perimeter of a rectangle. (Using GUI interface)</p>	SIMPLE CONCEPTS OF JAVA PROGRAMMING
<b>December</b>	20	<p><b>PR 19:</b> Write a program in java to convert the temperature in Celsius to Fahrenheit where <math>^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}</math> (Using GUI interface)</p> <p><b>PR 20:</b> Write a program in java to check whether a number is even or odd. (Using GUI interface)</p>	
<b>January</b>	24	<b>ANNUAL PRACTICAL EXAMINATION</b>	.....
<b>February</b>	24	.....	
<b>March</b>	23	.....	.....

## SUBJECT - HPE (S1 - GAMES/SPORTS)

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Athletics – Running Team Game – Kabaddi	A	Group activity/ PPTs	Values of physical fitness. Develop Speed and Agility
May	13	Athletics – Long Jump Team Game – Basketball	B	PPTs	Knowledge of Games & Sports. Develop Neuromuscular Co-ordination
June	12	Athletics – Standing Broad Jump Team Game – Football	C	PPTs	Knowledge of Games & Sports & Healthy Body. Develop Explosive Strength.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Team Game – Football	D	Free Talks	To develop more positive attitude towards challenges, winning & losing, thus preparing students for life & for the workplace.
August	22	Athletics – Running Team Game – Volleyball	E	Free Talks	To develop interest in exercise, sports and games for self-satisfaction and make it a part of life.
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Team Game – Badminton	F	Group Activity	To develop more positive attitude towards challenges, winning & losing, thus preparing students for life & for the workplace.
October	17	Athletics – Standing Broad Jump Team Game – Kho-Kho	G	Group Activity	To develop release of emotional stress, anxiety and tension leading to a reduced risk of depression.
November	20	Athletics – Running Team Game – Cricket	H	Group Activity	To develop interest in exercise, sports and games for self-satisfaction and make it a part of life.
December	20	Athletics – Long Jump Team Game – Football	I	Group Activity	To enable an individual to enhance inner qualities – self-mastery, discipline, courage, confidence and efficiency
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Athletics – Running Team Game - Cricket	J	Group Activity	To enable an individual to enhance inner qualities – self-mastery, discipline courage, confidence and efficiency
February	24	<b>ANNUAL EXAMINATION (14.02.2025 TO 26.02.2025)</b>			
March	23	-----	-----	-----	-----

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## SUBJECT - HPE (S2 – HEALTH & FITNESS)

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Jogging / Running Freehand Exercises, Skipping	A	Group activity in the field with students & PPT	To make the pupils physically, mentally and emotionally fit and to develop such personal and social qualities. Develop Endurance.
May	13	Free hand exercise, Callisthenics Jumping Jacks	B	Group activity in the field with students & PPT	To develop interest in exercise sports and games for self satisfaction and make it a part of life. Develop co-ordination.
June	12	Walking & Hiking	C	Group activity in the field with students & PPT	To help strengthen for relationships, Social bonding, buddy mentorship and team camaraderie. Develop Neuromuscular Co-ordination
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Practice Asanas Freehand exercises	D	Free Talks	To make the pupils physically mentally & emotionally fit & to develop such personal & social qualities that will help them to be good human beings
August	22	Running / Jogging Practice Stair training, Jumping Jack	E	Group Activity	- DO -
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Practice Asanas – Tadasana, Bhujangasana, Vajrasana	F	Group Activity	- DO -
October	17	Free Hand Exercises, High Knees, Box Jumps, Cycling	G	Group Activity	To make the pupils physically, mentally & emotionally fit
November	20	Forward & Backward Jump, Practice Asanas, Practic breathing exercises	H	Group Activity	To make the pupils physically, mentally & emotionally fit
December	20	Gym machine work-out Ride your cycle outside	I	Group Activity	To help strengthen peer relationships, social bonding, buddy mentorship
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Cross-country Run, Ride your bicycle outside	J	Group Activity	To help strengthen peer relationships, social bonding, buddy mentorship
February	24	Revision			
<b>ANNUAL EXAMINATION (14.02.2025 TO 26.02.2025)</b>					
March	23	.....	.....	.....	.....

**PORTION FOR PT- 1 : SL. NO. : A, B, C**  
**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**  
**PORTION FOR PT-3 : SL. NO. : F, G, H, I**  
**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## SUBJECT - HPE (S3 – SEWA)

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Project – Care for the homeless children	A	Project Making	Understand and appreciate every child's right to an optional standard of living health conc, education and services, and to play and recantation.
May	13	Brain Storming sessions.	B	Talks / Lectures	These also include a balanced diet, and access to schooling. Become aware the issues of homeless.
June	12	Identifying the various shelters in the community	C	Video Making	Become aware the issues of homeless. Develops empathy for other children who may be less privileged.
<b>PT-1 (28.06.2024)</b>					
July	24	<b>PT-1 (01.07.2024 to 05.07.2024)</b>			
		Making a list of the shelters which need help and in what any	D	Document making	Develop an understanding of child's right by expending their horizon of society
August	22	Making a list of the shelters whih need help and in what why	E	DO	DO
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Preparing Action Plan	F	DO	Develop deep insight into the living conditions of underprivileged children & support them
October	17	Analyzing Action Plan	G	DO	DO
November	20	Cleanliness and Beautification Drives	H	Beautifying room/space surrounding	Help to create a social environment that supports & respects every child's right
December	20	Project : Care for the homeless children submission	I	Project making	Develop deep insight into the living conditions of underprivileged children & support them
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Cleanliness & Beautification Drives	J	Beautifying room/space surrounding	Help to create a social environment that supports & respects every child's right
<b>Revision</b>					
February	24	<b>ANNUAL EXAMINATION (14.02.2025 TO 26.02.2025)</b>			
March	23	-----	-----	-----	-----

**PORTION FOR PT- 1 : SL. NO. : A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO. : F, G, H, I**

**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## SUBJECT - HPE (S4 – HEALTH & ACTIVITY RECORD)

MONTH	W.D.	COURSE CONTENT
April	24	Issue of Health Card and Activity Record
May	13	General Body Measurements
June	12	General Body Measurements, Circumferences
July	24	Posture Evaluation
August	22	Health Components
September	25	Health Components
October	17	Skill Components
November	20	Skill Components
December	20	Skill Components
January	24	Collection of Health card and activity Record
February	24	.....
March	23	.....

# SUBJECT – HEALTH EDUCATION

**Text Book : SCHOOL HEALTH MANUAL**

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	24	Knowing your body	A	PPTs (BMI)	To keep body fit identifies factors affecting health & well being.
May	13	Food and Nutrition	B	Free Talks	Requirement of healthy food. Explains the need of nutritious food as penitent to health
June	12	Food and Nutrition Hygiene	C	Free Talks	Requirement of healthy food. Lists appropriate foods to provide adequate energy.
<b>PT-1 (28.06.2024)</b>					
<b>PT-1 (01.07.2024 to 05.07.2024)</b>					
July	24	Hygiene, Physical Fitness (Balance Diet)	D	Free Talks	Importance of healthy, nutritious food
August	22	Being Responsible and Safe First Aid	E	Free Talks	Personal Experience on how to deal with such, situations
<b>Half Yearly Examination : 02.09.2024 to 13.09.2024</b>					
September	25	Being Responsible and Safe Evacuation drill and safety values	F	Mock Drill	Personal Experience on how to deal with such situations
October	17	Behavioural Skills	G	Free Talks	Personality Development
November	20	Being Responsible and safe (Evacuation Drill and Safety Rules)	H	PPTs	Personal Experience on how to deal with such situations
December	20	Save water and Role of local bodies to save water	I	Organizing, Events, Awareness Programme	Awareness about saving water
<b>PT-3 : 18.12.2024 to 20.12.2024</b>					
<b>PT-3 : 03.01.2025 to 08.01.2025</b>					
January	24	Behaviour and life skill	J	PPTs	Personality Development
<b>Revsion</b>					
February	24	<b>ANNUAL EXAMINATION (14.02.2025 TO 26.02.2025)</b>			
March	23	-----	-----	-----	-----

**PORTION FOR PT- 1 : SL. NO. : A, B, C**  
**PORTION FOR HALF YEARLY EXAM : SL. NO. : A, B, C, D, E**  
**PORTION FOR PT-3 : SL. NO. : F, G, H, I**  
**PORTION FOR ANNUAL EXAM : SL. NO. : A to J (Entire Syllabus) As Per CBSE Curriculum.**

## SUBJECT – GENERAL STUDIES

MONTH	W.D.	COURSE CONTENT	LEARNING OUTCOMES
April	24	Science and Technology	<p>Students will be able to -</p> <ol style="list-style-type: none"> <li>1. Identify and explain the scientific principles and concepts behind a specific technology.</li> <li>2. Demonstrate their understanding of environmental issues facing society and the role of science in addressing them.</li> <li>3. Demonstrate their understanding of the range of careers in the technology field and the skills required for those careers.</li> <li>4. Infer the impact of science and technology on the environment and appreciate the role of technology in promoting sustainability and environmental conservation.</li> </ol>
May	13	Science and Technology	<p>Students will be able to -</p> <ol style="list-style-type: none"> <li>1. Identify and explain the scientific principles and concepts behind a specific technology.</li> <li>2. Demonstrate their understanding of environmental issues facing society and the role of science in addressing them.</li> <li>3. Demonstrate their understanding of the range of careers in the technology field and the skills required for those careers.</li> <li>4. Infer the impact of science and technology on the environment and appreciate the role of technology in promoting sustainability and environmental conservation.</li> </ol>
June	12	Current trends in Socio-economic Structure	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Understand the quality of labour in the various fields such as agriculture, industry, constructions etc.,</li> <li>2. Analyze the measures and protection acts taken by the state and central governments to improve the conditions of labours.</li> <li>3. Suggest solutions to improve the conditions of the labours,</li> <li>4. Categorize the budget of low income, middle income and high income groups and how they manage their economy.</li> </ol>
<b>HALF YEARLY EXAM</b>			
July	24	Current trends in Socio-economic Structure	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Understand the quality of labour in the various fields such as agriculture, industry, constructions etc.,</li> <li>2. Analyze the measures and protection acts taken by the state and central governments to improve the conditions of labours.</li> <li>3. Suggest solutions to improve the conditions of the labours,</li> <li>4. Categorize the budget of low income, middle income and high income groups and how they manage their economy.</li> </ol>
August	22	Nation Building	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Understand, identify and analyze the main features of Nation's unity</li> <li>2. Know how National Integration helps in keeping the stability of the nation.</li> <li>3. Explore how National Integration encourages communal harmony, fights casteism, regionalism and linguistic differences.</li> <li>4. Discuss how the constitution came into being and suggest constructive reforms.</li> <li>5. Identify the factors which influence the role of media in national development.</li> <li>6. Understand the relationship of border issues that are prevailing between India and its neighbouring countries.</li> </ol>

<b>September</b>	25	Nation Building	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Understand, identify and analyze the main features of Nation's unity</li> <li>2. Know how National Integration helps in keeping the stability of the nation.</li> <li>3. Explore how National Integration encourages communal harmony, fights casteism, regionalism and linguistic differences.</li> <li>4. Discuss how the constitution came into being and suggest constructive reforms.</li> <li>5. Identify the factors which influence the role of media in national development.</li> <li>6. Understand the relationship of border issues that are prevailing between India and its neighbouring countries.</li> </ol>
<b>October</b>	17	Promoting Global Understanding	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Analyze their verbal and non-verbal interactions pertaining to global conflict synchrony to make meaningful communication.</li> <li>2. Internalize that promoting peace and different methods of conflict interventions can be done through goal management, collaborative team skills etc.</li> <li>3. Analyze the industry requirements and develop their skills based on the projects and internships.</li> <li>4. Understand about legal contracts, HR procedures, documentation and agreements as per current industry trends.</li> </ol>
<b>November</b>	20	Promoting Global Understanding	<p>Students will be able to</p> <ol style="list-style-type: none"> <li>1. Analyze their verbal and non-verbal interactions pertaining to global conflict synchrony to make meaningful communication.</li> <li>2. Internalize that promoting peace and different methods of conflict interventions can be done through goal management, collaborative team skills etc.</li> <li>3. Analyze the industry requirements and develop their skills based on the projects and internships.</li> <li>4. Understand about legal contracts, HR procedures, documentation and agreements as per current industry trends.</li> </ol>
<b>December</b>	20	Workforce Education Skills	<p>Students will be able to –</p> <ol style="list-style-type: none"> <li>1. Internalize personality development techniques by focusing on punctuality, goal management, collaborative team skills and listening skills.</li> <li>2. Develop their digital skills by working on current soft wares used in the industry.</li> <li>3. Reflect and evaluate the development of their professional skill set for the industry.</li> </ol>
<b>January</b>	24	Workforce Education Skills	<p>Students will be able to –</p> <ol style="list-style-type: none"> <li>1. Internalize personality development techniques by focusing on punctuality, goal management, collaborative team skills and listening skills.</li> <li>2. Develop their digital skills by working on current soft wares used in the industry.</li> <li>3. Reflect and evaluate the development of their professional skill set for the industry.</li> </ol>
<b>ANNUAL EXAMINATION</b>			
<b>February</b>	24	.....	.....
<b>March</b>	23	.....	.....