



BURNPUR RIVERSIDE SCHOOL

BURNPUR / CHITTARANJAN

MONTHLY PEDAGOGICAL PLAN

ACADEMIC SESSION : 2026 - 2027



CLASS : XII

SUBJECT: ENGLISH CORE (301)

TEXT BOOKS:

1. FLAMINGO: TEXTBOOK IN ENGLISH FOR CLASS XII (CORE COURSE), NCERT
2. VISTAS: SUPPLEMENTARY READER IN ENGLISH FOR CLASS XII (CORE COURSE), NCERT

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	THE LAST LESSON LOST SPRING MY MOTHER AT SIXTY SIX KEEPING QUIET THE THIRD LEVEL WRITING SKILLS	A	ROLE PLAY INFO GRAPHIC MAKING	<p>The learner –</p> <p>Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (Importance of mother tongue for freedom, banes of child labour, Construction of an imaginary space to be away from the worries of the world)</p> <p>Appreciates poetry; identifies and appreciates significant literary elements such as – metaphor, imagery, symbol, simile, onomatopoeia, rhyme scheme, etc.in order to demonstrate understanding of their significance in texts. (Ageing and separation are inevitable, Introspection and silence are necessary for self-comprehension)</p> <p>Writes notices, invitations, articles, reports in order to demonstrate research skills and correspondence skills for the target audience.</p> <p>Writes formal letters/ applications, resume etc. with clarity and precision and using appropriate vocabulary, expressions etc.</p>
May	12	DEEP WATER A THING OF BEAUTY THE TIGER KING COMPREHENSION	B	PAINTING COMIC STRIPS	<p>The learner –</p> <p>Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (satire on people in power, will power that overcomes all impediments)</p> <p>Appreciates poetry; identifies and appreciates significant literary elements such as – metaphor, imagery, symbol, simile, onomatopoeia, rhyme scheme, etc.in order to demonstrate understanding of their significance in texts. (Inter-relation between beauty and truth)</p> <p>Writes notices, invitations, articles, reports in order to demonstrate research skills and correspondence skills.</p>

June	14	THE RATTRAP (FOR HALF YEARLY) JOURNEY TO THE END OF THE EARTH (FOR HALF YEARLY)	C	DRAMA/ THEATRE PPT	The learner – Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (Knowledge of environment to preserve the same, Goodness transforms character) Writes formal letters/ applications, resume etc. with clarity and precision and using appropriate vocabulary, expressions etc.
PT 1 (24-06-26 TO 04-07-26)					
July	26	INDIGO POETS AND PANCAKES A ROADSIDE STAND THE ENEMY COMPREHENSION WRITING SKILLS	D	DOCUMENT MAKING	The learner – Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (Indian Independence Movement, Quest of truth, Doctor's profession that transcends nationality) Appreciates poetry; identifies and appreciates significant literary elements such as – metaphor, imagery, symbol, simile, onomatopoeia, rhyme scheme, etc. in order to demonstrate understanding of their significance in literature. (imbalance in terms of money and livelihood between city and country) Writes notices, invitations, letters, article, reports in order to demonstrate research skills and correspondence skills for the target audience.
August	22	THE INTERVIEW ON THE FACE OF IT COMPREHENSION WRITING SKILLS REVISION	E	ROLE PLAY	The learner – Appreciates poetry; identifies and appreciates significant literary elements such as – metaphor, imagery, symbol, simile, onomatopoeia, rhyme scheme, etc. in order to demonstrate understanding of their significance in literature and narratives.(Nuances of journalism, Optimism in life) Writes notices, invitations, letters, articles, reports in order to demonstrate research skills and correspondence skills for the target audience.
HALF YEARLY EXAMINATION (01-09-26 TO 16-09-26)					

September	25	GOING PLACES WRITING SKILLS	F	STORY TELLING / NARRATIVE S	The learner - Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (Imaginary flights to a happy space) Writes notices, invitations, letters, articles, reports in order to demonstrate research skills and correspondence skills for the target audience.
October	18	MEMORIES OF CHILDHOOD COMPREHENSION WRITING SKILLS	G	PPT	The learner - Appreciates poetry; identifies and appreciates significant literary elements such as - metaphor, imagery, symbol, simile, onomatopoeia, rhyme scheme, etc. in order to demonstrate understanding of their significance in literature. (feminism and resistance) Writes notices, invitations, letters, articles, reports in order to demonstrate research skills and correspondence skills for the target audience.
November	19	AUNT JENNIFER'S TIGERS REVISION - SAMPLE PAPERS	H	STORY TELLING / FREE TALKS	The learner - Reads, comprehends and extrapolates beyond texts, analyzes, interprets, and appreciates characters, themes, incidents and plot (injustice and resistance) Writes notices, invitations, letters, articles, reports in order to demonstrate research skills and correspondence skills for the target audience. Recalls / Revises texts and practises with accuracy
1ST PRE BOARD EXAMINATION: 23-11-26 TO 04-12-26					
December	21	REVISION - SAMPLE PAPERS	---	----	The learner - Recalls / Revises texts and practises with accuracy
2ND PRE BOARD EXAMINATION: 16-12-26 TO 23-12-26					
2ND PRE BOARD EXAMINATION: 05-01-27 TO 07-01-27					
January	21	----	----	----	-----
February	23	----	----	----	-----
March	23	----	----	----	-----

N.B: THE FOLLOWING ARE TO BE STUDIED ALONG WITH THE STUDY OF LITERATURE:

1. UNSEEN PASSAGE FOR COMPREHENSION (FACTUAL, DESCRIPTIVE, LITERARY), CASE BASED FACTUAL PASSAGE
(OBJECTIVE TYPE QUESTIONS, MCQs, SAQs)
2. WRITING:
 - A. NOTICE, FORMAL AND INFORMAL INVITATIONS AND REPLIES
 - B. LETTERS (LETTERS TO EDITOR, JOB APPLICATION)
 - C. ARTICLE, REPORT

PORTION FOR PT 1:

SL. NO A, B, C

PORTION FOR HALF-YEARLY EXAM:

SL. NO A TO E

PORTION FOR 1ST & 2ND PRE BOARD:

SL. NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)



ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: ENGLISH

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	Writing letters and reports	The learner – 1. Writes to express their understanding and experiences; 2. Writes with appropriate information with relevance to the audience and purpose
May	12	Composition of poems by using different types of literary devices	The learner – 1. Expresses experiences and emotions on the various aspects of their surroundings through poetry using different poetic devices
June	14	Summarizing texts	The learner – 1. Identifies main points and summarize from a careful listening and reading of the text 2. Comprehends the way words and sentences are used in texts
July	26	Document making (Arts Integrated Activity)	The learner – 1. Writes with appropriate information with relevance to the purpose
August	22	Compering events	The learner – 1. Writes ideas in sequence using words appropriate for the purpose and audience intended
September	25	HY - ASSESSMENT IN ENGLISH CORE	Assessment of learning
October	18	Writing for real-life situations – Invitations, Articles	The learner – 1. Writes with appropriate information with relevance to the audience and purpose 2. Scripts to inform and communicate ideas effectively 3. Uses language appropriate to social context, expresses agreements and disagreements with reasons
November	19	PROJECT (ALS) PB1 - ASSESSMENT IN ENGLISH CORE	The learner – Analyses literature review, composes questionnaire relevant to scope of survey
December	21	PB2 - ASSESSMENT IN ENGLISH CORE	Assessment of learning
January	21	PB2 - ASSESSMENT IN ENGLISH CORE	Assessment of learning
February	23	-----	-----
March	23	-----	-----

SUBJECT: ENGLISH ALS

MONTH	W.D	COURSE CONTENT	LEARNING OUTCOMES
APRIL	22	INTRODUCING SELF TOPIC PRESENTATION	THE LEARNER – 1. Demonstrates Interactive competence (Initiation & turn taking, relevance to the topic) 2. Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery) 3. Speaks / reads with proper Pronunciation 4. Uses Language correctly / precisely (grammar and vocabulary) 5. Demonstrates proficiency in public speaking skills.
MAY	12	TOPIC PRESENTATION	THE LEARNER – 1. Demonstrates Interactive competence (Initiation & turn taking, relevance to the topic) 2. Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery) 3. Speaks / reads with proper Pronunciation 4. Uses Language correctly / precisely (grammar and vocabulary) 5. Demonstrates proficiency in public speaking skills.
JUNE	14	FREE TALKS/ STORY TELLING / NARRATIVES TOPIC PRESENTATION	THE LEARNER – 1. Develops Interactive competence (Initiation & turn taking, relevance to the topic) 2. Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery) 3. Speaks / reads with proper Pronunciation 4. Uses Language correctly / precisely (grammar and vocabulary) 5. Demonstrates proficiency in public speaking skills.
JULY	26	TOPIC PRESENTATION	THE LEARNER EXPRESSES PROFICIENCY IN – 1. Interactive competence (Initiation & turn taking, relevance to the topic) 2. Fluency (cohesion, coherence and speed of delivery) 3. Pronunciation 4. Language (Grammar and vocabulary)
AUGUST	22	TOPIC PRESENTATION	THE LEARNER EXPRESSES PROFICIENCY IN – 1. Interactive competence (Initiation & turn taking, relevance to the topic) 2. Fluency (cohesion, coherence and speed of delivery) 3. Pronunciation 4. Language (Grammar and vocabulary)

HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26

SEPTEMBER	25	PROJECT PLANNING	THE LEARNER EXPRESSES PROFICIENCY IN – 1. Pronunciation and Vocabulary 2. Grammar 3. Communication skills 4. Fluency (cohesion, coherence and speed of delivery) 5. Creative planning
OCTOBER	18	PROJECT PLANNING AND RESEARCH WORK	THE LEARNER EXPRESSES PROFICIENCY IN / DESIGNS – 1. Pronunciation and Vocabulary 2. Grammar 3. Communication skills 4. Fluency (cohesion, coherence and speed of delivery) 5. Creative planning 6. Literature review 7. Preparation of Questionnaire 8. Scope of survey
NOVEMBER	19	RESEARCH WORKSURVEY PROJECT COMPLETION	THE LEARNER EXPRESSES PROFICIENCY IN / DESIGNS – 1. Pronunciation and Vocabulary 2. Grammar 3. Communication skills 4. Fluency (cohesion, coherence and speed of delivery) 5. Creative planning 6. Literature review 7. Preparation of Questionnaire 8. Scope of survey
DECEMBER	21	PROJECT SUBMISSION	-----
JANUARY	21	----	-----
INTERNAL ASSESSMENT FOR BOARD: 08-01-27 TO 31-01-27			
FEBRUARY	23	----	----
MARCH	23	----	----

SUBJECT: MATHEMATICS (041)

TEXT BOOKS:

1. NCERT TEXT BOOK FOR CLASS XII VOLUME I & II
2. SENIOR SECONDARY SCHOOL MATHEMATICS FOR CLASS XII BY R.S. AGGARWAL
3. ARIHANT LABORATORY MANUAL MATHEMATICS CBSE CLASS - XII

MONTH	W.D	COURSE CONTENT	MATHS ACTIVITY	SL NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Matrices Determinants Relations Functions	1. Activity (1): To Verify that the relation R in the set L of all lines in a plane defined by $R = \{(l, m): l \perp m\}$ is symmetric but neither reflexive nor transitive.	A	Slideshow / PPT's	<ul style="list-style-type: none"> • To add, subtract and multiply two matrices. Expressing a square matrix as the sum of a symmetric and skew -symmetric matrix. • To find inverse of a matrix. • using determinant, finding the area of a triangle. • To identify different types of relations. • To identify different types of functions.
MAY	12	Continuity Differentiability	2. Activity (3): To demonstrate a function which is not one - one but is onto.	B	Slideshow / PPT's	<ul style="list-style-type: none"> • To check a given function is continuous or not at a given point or on R. • To check a given function is differentiable or not at a given point. • To find derivatives of first and second order of various types of functions.
JUNE	14	Differentiation	.....	C	Slideshow / PPT's	<ul style="list-style-type: none"> • To find derivatives of first and second order of various types of functions.

PT-1 EXAMINATION (24-06-2026 TO 03-07-2026)

JULY	26	Inverse Trigonometric Functions Applications of Derivatives Indefinite Integrals (Continued)	3. Activity (5): to draw the graph of $\sin^{-1}x$. 4. Activity (12) To understand the concept of local maxima, local minima and point of inflection.	D	Making formula chart, Practise sheet	<ul style="list-style-type: none"> Explores the values of different inverse trigonometric functions Explore the use of derivatives in other mathematical problems Develops the process in integral calculus based on the ideas of differential calculus learnt earlier
AUGUST	22	Indefinite Integrals Definite Integrals Application of Integrals	5. Activity (14): To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.	E	Making formula chart, Notes	<ul style="list-style-type: none"> Explores the use of various properties of definite integrals Applies the concepts of integral calculus to calculate the areas enclosed by curves
HALF - YEARLY EXAMINATION (01.09.26 TO 16.09.26)						
SEPTEMBER	25	Differential Equations	6. Activity (16): To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.	F	Making formula chart	<ul style="list-style-type: none"> Develops the concepts of differential equations using the ideas of differential and integral calculus
OCTOBER	18	Vectors Three-Dimensional Geometry	7. Activity (17): To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ 8. Activity (18): To verify that angle in a semi-circle is a right angle, using vector method.	G	Making concept map, Practice sheet	<ul style="list-style-type: none"> Constructs the idea of vectors and their properties and relates them to earlier learnt concepts in different areas of mathematics such as geometry, coordinate geometry etc. evolves newer concepts in three-dimensional geometry from that learnt earlier, in the light of vector algebra, such as, direction cosines, equations of lines and planes under different conditions etc.

NOVEMBER	19	Probability Linear Programming	9. Activity (20): To measure the shortest distance between two skew lines and verify it analytically. 10. Activity (21): To explain the computation of conditional probability of a given event A, when event B has already occurred through an example of throwing a pair of dice.	H	Making concept map, Practise sheet	<ul style="list-style-type: none"> Calculates conditional probability of an event and uses it to evolve Baye's theorem and multiplication rule of probability. Solve problems related to maximization/ minimization of quantities using systems of inequalities/ inequations learnt earlier
1ST PRE - BOARD EXAMINAION (23.11.2026 TO 04.12.2026)						
DECEMBER	21	.....	.....	I	.....	.....
2ND PRE - BOARD EXAMINAION (16.12.2026 TO 23.12.2026)						
JANUARY	21	.....	.....		.....	.....
2ND PRE - BOARD EXAMINAION (05.01.2027 TO 07.01.2027)						
FEBRUARY	23	.....	.....		.....	.....
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 1ST & 2ND PRE - BOARD: SL.NO. A TO H (ENTIRE SYLLABUS)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCeF
SUBJECT - MATHEMATICS

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	22	Assignment on 'Matrices and Determinants' Quizzes on 'Relations and Functions'	The learner - develops the idea of Matrix and Determinants, its various expression and operations.
May	12	Assignment on 'Continuity and Differentiability'	The learner - identify different types of problem solving on continuity and Differentiability and establishing relationship between continuity and Differentiability.
June	14	Assignment on 'Differentiation'	The learner - understands differentiation of different types of functions.
JULY	26	Making formula chart on Indefinite integrals	The learner - applies the formulae of Indefinite integrals.
August	22	Assignment on Definite integrals and application of Integrals	The learner - explores different problems in definite integrals using various properties and applying it finding the area of bounded regions of curves
September	25	Class Test on Differential Equations	The learner - develops the concepts of differential equations using the ideas of differential & integral calculus.
October	18	Assignment on vectors and three-dimensional geometry	The learner - constructs the idea of vectors and their properties and relates them to earlier learned concepts in different areas of mathematics such as three-dimensional geometry.
November	19	Assignment on probability	The learner - calculates conditional probability of an event and uses it to solve Baye's theorem and multiplication rule of probability. Determines mean of probability distribution using concept of random variable
December	21	-----	-----
January	21	-----	-----
February	23	-----	-----
March	23	-----	-----

SUBJECT – PHYSICS (042)

TEXT BOOK: PHYSICS TEXT BOOK FOR CLASSXII (PART- I AND PART-2) (NCERT)

Reference Book: VINESH COMPANION PHYSICS - XII (Volume I & II)

MONTH	W. D	COURSE CONTENT	SL NO	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Chap 1: Electric Charges and Fields	A	Slide Show	The learner - <ul style="list-style-type: none"> interprets concepts of Quantization of charge, electric field, field lines, electric potential in mathematical terms.
MAY	12	Chap 2: Electrostatic Potential and Capacitance	B	Slide show	The learner - <ul style="list-style-type: none"> analyses the use of capacitors in electrical circuits and their uses in daily life with 03 examples Derives mathematically capacitance of different capacitors.
JUNE	14	Chap 3: Current Electricity (FOR HALF YEARLY)	C	Experimental demonstration	The learner – <ul style="list-style-type: none"> analyses various electrical circuits with reference to the concept of series and parallel combinations of resistors.
PT 1 (24-06-26 TO 04-07-26)					
JULY	26	Chap 4: Moving charges and Magnetism Chap 5: Magnetism and Matter Chap 6: Electromagnetic Induction	D	Experimental demonstration	The learner - <ul style="list-style-type: none"> Calculates radius, time period of path of moving charges in magnetic field. Calculates field due to current carrying wires and forces acting between current carrying wires.
AUGUST	22	Chap 7: Alternating Current Chap 8: Electromagnetic Waves	E	Experimental demonstration	The Learner - <ul style="list-style-type: none"> examines phasor diagrams and their uses in alternating current carrying circuits. sketches ray diagrams for mirror, lens, prism & different optical instruments.

		Chap 9: Ray Optics and Optical Instruments			
HALF YEARLY EXAMINATION (01-09-26 TO 16-09-26)					
SEPTEMBER	25	Chap 10: Wave Optics Chap 11: Dual Nature of Radiation and Matter	F	Experimental demonstration	The Learner - <ul style="list-style-type: none"> Explains the wave nature of light using phenomena of interference, polarization, diffraction. Solves mathematically Einstein's photoelectric equation
OCTOBER	18	Chap 12: Atoms Chap 13: Nuclei	G	Slide show	The Learner – <ul style="list-style-type: none"> Investigates Rutherford & Bohr atomic models in terms of structure Derives mathematically Bohr radius and energy levels in hydrogen-like atoms.
NOVEMBER	19	Chap 14: Semiconductor Electronics: Material Devices and Simple Circuits	H	Experimental demonstration	The Learner – <ul style="list-style-type: none"> Differentiates between intrinsic and extrinsic semiconductors in terms of energy band diagram. Explains working of p-n junction diode on basis of characteristic curves Relates semiconductor physics to modern electronics with 04 examples.
1ST PRE BOARD (23-11-26 TO 04-12-26)					
DECEMBER	21	----	----	----	-----
2ND PRE BOARD (16-12-26 TO 23-12-26)					
2ND PRE BOARD (05-01-27 TO 07-01-27)					
JANUARY	21	-----	----	-----	-----
FEBRUARY	23	-----	----	-----	-----
MARCH	23	-----	----	-----	-----

- PORTION FOR PT1: A, B, C (**NOTE: CHAPTER 3: CURRENT ELECTRICITY WILL NOT BE EVALUATED IN PT1**)
- PORTION FOR HALF YEARLY EXAM: SL NO A, B, C, D AND E (**NOTE: CHAPER 9: RAY OPTICS AND OPTICAL INSTRUMENT EXCLUDED IN HALF YEARLY EXAM**)
- PORTION FOR 1ST AND 2ND PRE BOARD: SL NO A TO H (ENTIRE SYLLABUUS) (CBSE CURRICULUM)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: PHYSICS

MONTH	W.D	ACTIVITY	LEARNING OUTCOMES
APRIL	22	To assemble components of a given circuit. (lab work)	The learner- <ul style="list-style-type: none"> • Assembles an electrical circuit independently and records accurate observations using ammeter and voltmeter.
MAY	12	To study the variation in potential drop with length of a wire for a steady current. (lab work)	The learner- <ul style="list-style-type: none"> • Assembles an electrical circuit independently and records accurate observations using ammeter and voltmeter.
JUNE	14	To draw diagram of a given open circuit comprising of at least a battery, rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram. (lab work)	The learner- <ul style="list-style-type: none"> • Investigates an electrical circuit independently and finds flaws in circuit and is able to rectify the same.
JULY	26	To Observer refraction and lateral deviation of a beam of light incident obliquely on a glass lab (lab work)	The learner- <ul style="list-style-type: none"> • Sketches the ray diagram to determine the path of ray through a glass slab and calculate the lateral deviation.
AUGUST	22	To study the nature and the size of the image formed by a convex lens on a screen by using a candle and a screen (for different distances of the candle from the lens) (lab work)	The learner- <ul style="list-style-type: none"> • Investigates the position, nature of image and size of image for various positions of a convex lens.
SEPTEMBER	25	To identify a diode, a LED, a resistor and a capacitor from a mixed collection of such items. (lab work)	The learner- <ul style="list-style-type: none"> • Identifies various components of electrical circuits from a mixed combination of various such components.
OCTOBER		-----	-----
NOVEMBER		-----	-----
DECEMBER		-----	-----
JANUARY		-----	-----
FEBRUARY		-----	-----
MARCH		-----	-----

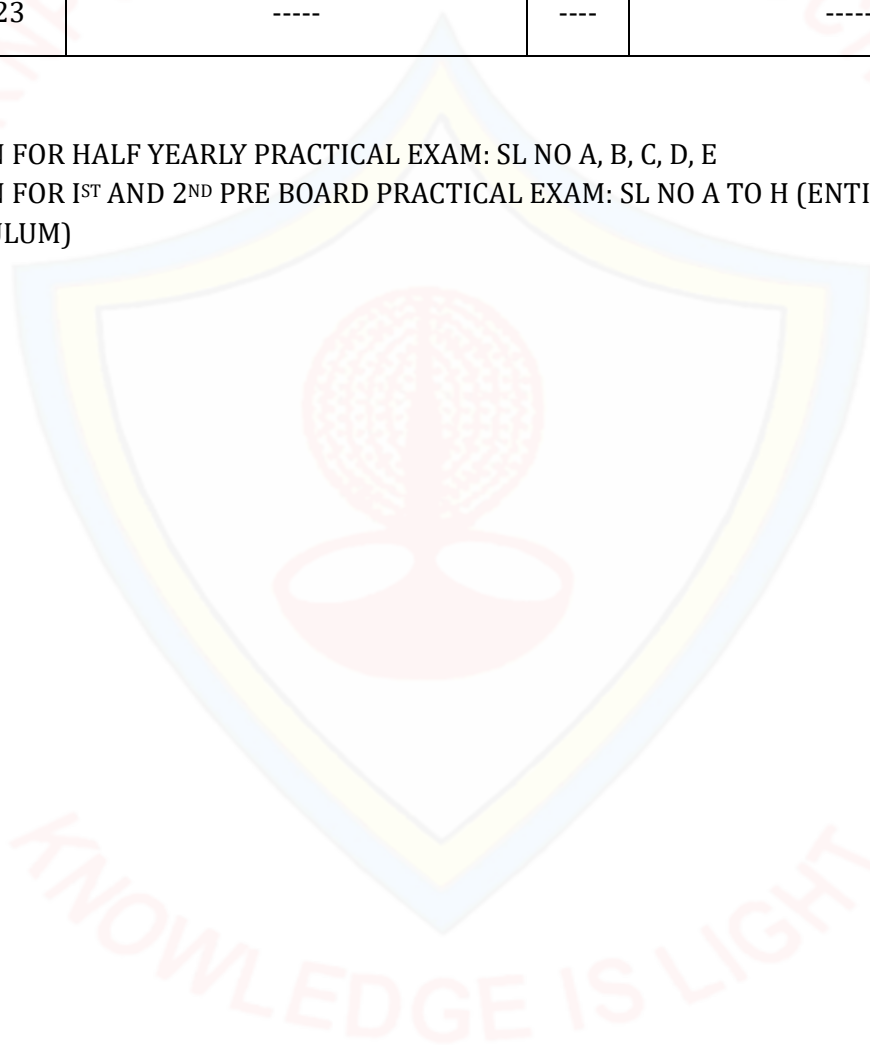
SUBJECT – PHYSICS PRACTICAL (042)

TEXTBOOK: Comprehensive PRACTICAL PHYSICS Class XII

MONTH	W.D.	COURSE CONTENT	SL NO	LEARNING OUTCOMES
APRIL	22	Practical 1: To determine resistivity of two or three wires by plotting graph for V(voltage) vs I(current)	A	The learner- <ul style="list-style-type: none"> Investigates an electrical circuit independently and records accurate observations using ammeter, voltmeter and plots V vs I graph.
MAY	12	Practical 2: To find the resistance of a given wire or a standard resistor using meter bridge	B	The learner- <ul style="list-style-type: none"> Assembles meter bridge correctly and independently to determine unknown resistance and develops precision measurement skills.
JUNE	14	Practical 3: To verify law of combination (Series OR Parallel) of resistance using meter bridge.	C	The learner- <ul style="list-style-type: none"> Assembles electrical circuit independently to verify formula of equivalent resistance and interprets deviations in measured values.
JULY	26	Practical 4: To determine resistance of galvanometer using half deflection method and to find its figure of merit.	D	The learner- <ul style="list-style-type: none"> Demonstrates the working principle of galvanometer and uses half deflection method to calculate the resistance of galvanometer and its figure of merit.
AUGUST	22	Practical 5: To determine angle of minimum deviation for a given prism by plotting graph between angle of incidence and angle of deviation.	E	The learner- <ul style="list-style-type: none"> Sketches the graph between deviation produced in a prism and angle of incidence and hence determines the refractive index of prism material.
HALF YEARLY EXAMINATION – 07.08.2026 TO 11.08.2026				
SEPTEMBER	25	Practical 6: To determine refractive index of a liquid using convex lens and plane mirror	E	The learner- <ul style="list-style-type: none"> Assembles the mirror and lens to determine the refractive index of various liquids
OCTOBER	18	Practical 7: To Determine the focal length of a convex lens by plotting graph between u vs v or $1/v$ vs $1/u$	G	The learner- <ul style="list-style-type: none"> Assembles optical bench to determine relation between object distance and image distance to

				mathematically find focal length of a glass lens from graph.
NOVEMBER	19	Chap 8: To draw I vs V characteristic curve for p-n junction diode in forward and reverse bias condition.	H	The learner- • Assembles circuit independently for forward and reverse bias and takes reading to plot the characteristic curves for various biasing conditions.
PRE BOARD EXAMINATION - 17.11.2026 TO 19.11.2026				
DECEMBER	21	----	----	-----
JANUARY	21	----	----	-----
FEBRUARY	23	----	----	-----
MARCH	23	----	----	-----

- PORTION FOR HALF YEARLY PRACTICAL EXAM: SL NO A, B, C, D, E
- PORTION FOR 1ST AND 2ND PRE BOARD PRACTICAL EXAM: SL NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)



SUBJECT: CHEMISTRY (043)

TEXT BOOKS:

- 1) CHEMISTRY TEXT BOOK FOR CLASS XII (PART-I AND PART-II) - NCERT
- 2) GRB NEW ERA CHEMISTRY FOR CLASS XII (PART- I AND PART-II)

MONTH	W. D.	T.D .	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	19	Ch-1: Solutions Ch-2: Electrochemistry	A	Slide show PowerPoint presentation on Nernst equation.	The learner - understands the difference between Galvanic and Electrolytic cell.
MAY	12	10	Ch-2: Electrochemistry Ch-6: Haloalkanes and Haloarenes	B	Mind map on Haloalkanes and Haloarenes.	The learner- understands the nature of the C-X bond and its polarity.
JUNE	14	11	Ch-6: Haloalkanes and Haloarenes	C	Slide show on electrophilic substitution reactions on aromatic rings.	The learner- Explains mechanisms, stereochemistry (inversions / racemization) and kinetics
PT-1(24.6.26 TO 4.7.26)						
JULY	26	23	Ch-3: Chemical Kinetics Ch-4: d- and f-Block elements Ch-7: Alcohols, phenols and Ethers	D	Visual Art- Creating graphs of energy profiles showing the activation energy and transition state	The learner can write rate expressions and determine the order and molecularity of a reaction.
AUGUST	22	20	Ch-7: Alcohols, phenols and Ethers	E	Colourful mind map linking the preparations of alcohols and their chemical properties (visual art).	The learner- Analyses the electrophilic aromatic substitution and acidic behaviour.
HALF-YEARLY EXAMINATION (01.09.2026 TO 16.09.2026)						
SEPTEMBER	25	20	Ch-5: Coordination compounds Ch-8: Aldehydes, ketones and Carboxylic Acid	F	Experimental demonstration.	The learner defines coordination entities, ligands, coordination number etc.

OCTOBER	18	16	Ch-8: Aldehydes, ketones and Carboxylic Acid Ch-9: Amines	G	Production of azo dyes from aniline through diazotisation and coupling reactions (visual art - aniline dye).	The learner understands the synthesis of dyes from aromatic amines.
NOVEMBER	19	16	Ch-10: Biomolecules	H	Molecule mind map.	The learner can differentiate between peptide linkage and glycosidic linkage.
DECEMBER	21	18		I	----	-----
1st PRE-BOARD (23.11.2026 TO 04.12.2026) 2nd PRE-BOARD (16.12.2026 TO 23.12.2026)						
JANUARY	21	18		J	----	-----
2nd PRE- BOARD (05.01.2027 TO 07.01.2027)						
FEBRUARY	23	18	-----	---	----	----
MARCH	23	--	----	--	---	---

PORTION FOR PT1 : SL.NO. A,B,C
 PORTION FOR HALF-YEARLY : SL.NO. A,B,C,D,E
 PORTION FOR 1st AND 2nd PRE- BOARD : SL NO. A TO H (ENTIRE SYLLABUS)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP – 2020 / NCF / NCrf

SUBJECT: CHEMISTRY (043)

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	22	Ch-1: Solutions Creating a visual chart or diagram illustrating how solute-solvent interactions differ from solute-solute/solvent-solvent interactions in non-ideal solution.	The learner – Explains ideal and non-ideal solutions based on intermolecular forces.
May	12	Ch-6: Haloalkanes and Haloarenes Design a comic strip illustrating the nucleophilic substitution mechanism (S_N^1 Vs. S_N^2).	The learner – Visualizes the stereochemical aspects and kinetic differences between S_N^1 and S_N^2 reactions.
June	14	Ch-6: Haloalkanes and Haloarenes (Class Quiz)	The learner – Recognizes methods such as free radical halogenation, addition of HX to alkenes, halogen exchange etc.
July	26	Ch-3: Chemical Kinetics (Performing Art) Plotting graphs of reactant concentration versus time from experimental data.	The learner – Can develop competencies in inquiry, analysis and application of chemical principles.
August	22	Ch-7: Alcohols, Phenols and Ethers Mind map linking the preparations of alcohols and their chemical properties.	The learner – Analyses the electrophilic aromatic substitution and acidic behaviour.
September	25	Ch-5: Coordination Compounds Laboratory experiment "Making colourful complexes".	The learner- Demonstrates d – d transition and the spectrochemical series.
October	18	Ch-8: Aldehydes, Ketones and Carboxylic Acids Laboratory experiment tests for the functional groups present in organic compounds.	The learner – Recalls specific reagents and the expected positive result.

November	19	Ch-10: Biomolecules Qualitative tests for biomolecules (Experimental learning)	The learner – Can identify the presence of specific biomolecules in food to energy production, growth and repair in living organisms.
December	21	-----	-----
January	21	-----	-----
February	23	-----	-----
March	23	-----	-----



SUBJECT: CHEMISTRY (043) PRACTICAL

TEXT BOOK: COMPREHENSIVE PRACTICAL CHEMISTRY FOR CLASS XII

MONTH	W. D.	COURSE CONTENT	SL. NO.	LEARNING OUTCOMES
APRIL	22	To prepare standard solution of Mohr's salt (M/20) and determine the strength of given KMnO_4 solution in g/l.	A	The learner - Learns to prepare primary standard solutions and standardized secondary standard solution.
MAY	12	To prepare standard solution of Oxalic Acid (M/20) and determine the strength of given KMnO_4 solution in g/l.	B	The learner- Can calculate unknown concentrations of solutions.
JUNE	14	Salt Analysis- CuCl_2 , $\text{Pb}(\text{NO}_3)_2$, $\text{Al}_2(\text{SO}_4)_3$, FeCl_3 , NiCl_2 etc.	C	The learner- Performs a step-by-step analysis including preliminary examinations (colour, odour, solubility, dry heating, flame tests) and wet tests.
JULY	26	Salt Analysis- ZnSO_4 , CaCl_2 , BaCl_2 , SrCl_2 etc.	D	The learner- Gains proficiency in identifying inorganic cations and anions through systematic qualitative analysis.
AUGUST	22	Revision	E	The learner- Develops the ability to accurately observe and record physical changes such as precipitate, colour, gas evolution or flame colour to infer the presence of ions.
HALF-YEARLY EXAMINATION (07.08.2026 TO 11.08.2026)				
SEPTEMBER	25	Identification of the functional groups present in organic compounds.	F	The learner - Learns to prepare solid derivatives for characterization which helps in confirming the identity of a liquid compound.
OCTOBER	18	REVISION	G	The learner- Recalls specific reagents (e.g.- Tollen's, 2,4-DNP, Fehling's, Ceric Ammonium nitrate) and the expected positive results such as colour changes or precipitation formation
NOVEMBER	19	----	--	-----
PRE- BOARD PRACTICAL EXAMINATION (17.11.2026 TO 19.11.2026)				

DECEMBER	21	----	--	----
JANUARY	21	----	--	----
FEBRUARY	23	----	--	----
MARCH	23	----	--	----

- PORTION FOR HALF YEARLY PRACTICAL EXAM: SL NO A, B, C, D, E
- PORTION FOR 1ST AND 2ND PRE BOARD PRACTICAL EXAM: SL NO A TO H (ENTIRE SYLLABUS)
(CBSE CURRICULUM)



SUBJECT – BIOLOGY (044)

TEXT BOOK: TEXT BOOK FOR BIOLOGY: CLASS XII, (NCERT)

REF BOOK: COMPANION BIOLOGY- CLASS XII [S. DINESH & CO.]

MONTH	W. D	COURSE CONTENT	SL NO	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Chap 1: Sexual Reproduction in flowering Plants. Ch: 2 Human Reproduction	A	Charts on anatropous ovule	The learner will be able to- <ul style="list-style-type: none"> • Understand the out-breeding devices. • Learn the process of implantation.
MAY	12	Ch-3 Reproductive Health. Ch-4 Principles of Inheritance and Variation.	B	(Graph) Statistical analysis of Indian population growth in the last decade.	The learner will be able to: <ul style="list-style-type: none"> • Identify the dominant and recessive mendelian characters.
JUNE	14	Ch-4 Continued. Revision	C	Mendel's experiment on pea seeds.	The learner will be- <ul style="list-style-type: none"> • Able to solve Punnet Squares.
PT 1 (24-06-26 TO 04-07-26)					
JULY	26	Ch-5 Molecular Basis of Inheritance. Ch-6 Evolution. Ch-7 Human Health & Diseases.	D	Chart making on Life Cycle of Plasmodium.	The learner will be able to- <ul style="list-style-type: none"> • Analyse the process of Central Dogma.
AUGUST	22	Ch-8 Microbes in Human Welfare. Ch-9 Biotechnology: Principles and Processes. Ch-10 Biotechnology and it's Applications.	E	PPT on r-DNA technology.	The Learner will be able to <ul style="list-style-type: none"> • Comprehend the process of PCR .
HALF YEARLY EXAMINATION (01-09-26 TO 16-09-26)					
SEPTEMBER	25	Ch-11 Organisms and Populations. Ch-12 Ecosystem.	F	Graph on age pyramids.	The Learner will be able to <ul style="list-style-type: none"> • Infer various age pyramids of populations.

OCTOBER	18	Ch-12 Continued Ch-13 Biodiversity and it's Conservation.	G	Poster on GFCs and DFCs.	The Learner will be able to: • Appreciate the significance of conserving biodiversity.
NOVEMBER	19	Revision	H	-	-
1ST PRE-BOARD EXAMINATION: 23-11-26 TO 04-12-26					
DECEMBER	21	----	----	----	-----
2ND PRE-BOARD EXAMINATION: 16-12-26 TO 23-12-26					
2ND PRE-BOARD EXAMINATION: 05-01-27 TO 07-01-27					
JANUARY	21	----	----	----	-----
FEBRUARY	23	----	----	----	-----
MARCH	23	----	----	----	-----

- PORTION FOR PT1: A, B, C
- PORTION FOR HALF YEARLY EXAM: SL NO A, B, C, D AND E
- PORTION FOR 1ST AND 2ND PRE-BOARD: SL NO A TO H (ENTIRE SYLLABUUS)



ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: BIOLOGY

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	Skill development on use of microscope for observing microscopic specimens.	The learner will be able to <ul style="list-style-type: none"> Acquire the skill to adjust the focal length and hence focus microscopic specimens in a light microscope.
MAY	12	Model making on the topic selected for the year-long Investigatory project.	The learner will be able to- <ul style="list-style-type: none"> Develop their psychomotor skills.
JUNE	14	Class quiz on chapters 1, 2 and 3	The learner will be able to - <ul style="list-style-type: none"> Analyse his/her understanding of the chapters completed.
JULY	26	Chart making on "Gene Regulations" [eg. Lac operon]	The learner will be able to <ul style="list-style-type: none"> Understand the utilisation of lactose by E. coli.
AUGUST	22	DNA extraction by kitchen protocol.	The learner will be able to - <ul style="list-style-type: none"> learn to extract DNA from plant materials.
SEPTEMBER	25	Poster presentation on energy pyramid or ecological pyramid.	The learner will be able to- <ul style="list-style-type: none"> understand the 10% law.
OCTOBER	18	Tree Plantation	The learner will be able to- <ul style="list-style-type: none"> Evaluate importance of biodiversity conservation.
NOVEMBER	19	Survey on sacred groves present in India.	The learner will be able to <ul style="list-style-type: none"> Recognise and appreciate various approaches to conserve biodiversity.
DECEMBER		-----	-----
JANUARY		-----	-----
FEBRUARY		-----	-----
MARCH		-----	-----

SUBJECT – BIOLOGY PRACTICAL

TEXT BOOK: COMPREHENSIVE LABORATORY MANUAL IN BIOLOGY-CLASS-XII (LAXMI PUBLICATION)

MONTH	W.D.	COURSE CONTENT	SL NO	LEARNING OUTCOMES
APRIL	22	<ul style="list-style-type: none"> A1 – Prepare a temporary mount to observe pollen germination. B1, B2, B3, B5 	A	The learner will <ul style="list-style-type: none"> Acquire the skills to focus a light microscope.
MAY	12	<ul style="list-style-type: none"> A2 – To study the plant population density by quadrat method. A3-To study the plant population frequency by quadrat method. 	B	The learner will be able to <ul style="list-style-type: none"> Use quadrat method to find population density and frequency.
JUNE	14	<ul style="list-style-type: none"> To isolate DNA from the available plant material. 	C	The learner will be able to <ul style="list-style-type: none"> Isolate DNA
JULY	26	<ul style="list-style-type: none"> B4, B6, B7 	D	The learner will be able to <ul style="list-style-type: none"> Evaluate pedigree charts.
AUGUST	22	Revision	E	
HALF YEARLY EXAMINATION – 07.08.2026 TO 11.08.2026				
SEPTEMBER	25	<ul style="list-style-type: none"> A4 – Prepare a temporary mount of onion root tip to study mitosis. 	E	The learner will be able to - <ul style="list-style-type: none"> Identify the different stages of mitosis.
OCTOBER	18	<ul style="list-style-type: none"> B8, B9 	G	The learner will be able to <ul style="list-style-type: none"> Conceptualise artificial hybridisation.
NOVEMBER	19	<ul style="list-style-type: none"> B10, B11 	H	The learner will be able to <ul style="list-style-type: none"> Differentiate between homologous and analogous organs.
PRE BOARD EXAMINATION – 17.11.2026 TO 19.11.2026				
DECEMBER	21	----	----	-----
JANUARY	21	----	----	-----
FEBRUARY	23	-----	-----	-----
MARCH	23	-----	----	-----

- PORTION FOR HALF YEARLY PRACTICAL EXAM: SL NO A, B, C, D, E
- PORTION FOR PRE BOARD EXAM: SL NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)

SUBJECT: COMPUTER SCIENCE (083)

TEXT BOOK: COMPUTER SCIENCE WITH PYTHON – SUMITA ARORA -XII

MONTH	WD	TD	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	19	Ch. 01 And Ch. 02: Python Revision Tour – I And II Ch. 03: Working With Functions Ch. 04: Using Functions Defined in Modules Libraries	A	PPT on list , tuple, dictionaries using functions	<p>The Learner:</p> <ul style="list-style-type: none"> Explains and use operators, variables and data types including higher-order data structures such as lists, tuples, and dictionaries. Develops basic principles functions. Scope of a Variable – global variable, local Variable Using Functions Develops the ability to create and use Python libraries, and apply specific pre-built libraries for tasks like numerical computation, data visualization, and database connectivity.
MAY	12	10	Ch. 04: Using Functions Defined in Modules Libraries	B	PPT On Python Standard Library's Functions and Modules	
JUNE	14	11	Ch. 04: Using Functions Defined in Modules Libraries	C	PPT On Python Standard Library's Functions and Modules	
PT-1: 24-06-2026 TO 04-07-2026						
JULY	26	23	Ch. 05: File Handling Ch. 08: Computer Networks-I	D	PPT on File Handling and networking layout	<p>The Learner:</p> <ul style="list-style-type: none"> Explains the concept of exception as well as file handling Explains computer networks and how it works.
AUGUST	22	20	Ch. 09: Computer Networks-II Ch. 07: Data Structures	E	PPT on stack operations	<p>The Learner:</p> <ul style="list-style-type: none"> Explains computer networks and how it works. Uses basic data structure: Stacks
HALF YEARLY EXAMINATION: 01-09-2026 TO 16-09-2026						

SEPTEMBER	25	20	Ch. 10: Relational Databases Ch. 11: Simple Queries in SQL	F	PPT on RDBMS	The Learner: <ul style="list-style-type: none"> • Uses Database concepts, and SQL to store, retrieve and manipulate data.
OCTOBER	18	16	Ch. 11: Simple Queries in SQL Ch. 12: Table Creation and Data Manipulation Commands Ch. 13: Grouping Records, Joins In SQL	G		
NOVEMBER	19	16	Ch. 06: Exception Handling Ch. 14: Interface Python with MySQL	H	PPT on Python connectivity with MySQL	The Learner: <ul style="list-style-type: none"> • Understands and implementing mechanisms to create robust and error-free programs • Enables students to design and build basic database connectivity applications
1ST PRE-BOARD EXAMINATION: 23-11-2026 TO 04-12-2026						
2ND PRE-BOARD EXAMINATION: 16-12-2026 TO 23-12-2026						
2ND PRE-BOARD EXAMINATION: 05-01-2027 TO 07-01-2027						
DECEMBER	21	18	-----	----	----	----
JANUARY	21	18	----	----	----	----
FEBRUARY	23	18	----	----	----	----
MARCH	23	----	----	----	----	----

PORTION FOR PT-1 : **SL. NO. A, B, C**
PORTION FOR HALF YEARLY EXAM : **SL. NO. A TO E**
PORTION FOR PREBOARD – 1 & 2 : **SL. NO. A TO H (ENTIRE SYLLABUS)**

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP – 2020 / NCF / NCrf
COMPUTER SCIENCE (083)**

MONTH	W.D.	ACTIVITIES	LEARNING OUTCOMES
APRIL	22	<p>Laboratory Work: Hands On Experience –:</p> <ol style="list-style-type: none"> 1. Write a program that checks for presence of a value inside a dictionary and prints its key. 2. Write a program with function that receives an octal number and prints the equivalent number in other number bases i.e. – in decimal, binary and hexadecimal equivalents. 	<p>The Learner:</p> <ul style="list-style-type: none"> • Understands python programming using dictionaries and functions.
MAY	12	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> 1. Write a program to increase the salary by Rs.2000 of the employee having empno as 1251 in the file emp1.dat 2. Write a program to get rollno, names and marks of the students of a class(get from user) and store these details in a file called "Marks.txt" . 	<p>The Learner:</p> <ul style="list-style-type: none"> • Understands and performs python programming using text and binary files.
JUNE	14	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> 1. Write a program to get item details (code, description and price) for multiple items from the user and create a csv file by writing all the items details in one go. 	<p>The Learner:</p> <ul style="list-style-type: none"> • Understands and performs python programming using csv files.
JULY	26	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> 1. Write a program to open filestu.dat and search for records with roll numbers as 12 or 14. If found, display the records. 2. Write a program to display all the records in a file along with line/record number. 	<p>The Learner:</p> <ul style="list-style-type: none"> • Understands and performs python programming using binary files.
AUGUST	22	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> 1. Write a program that copies a text 	<p>The Learner:</p> <ul style="list-style-type: none"> • Understands and performs python programming using

		<p>file "source.txt" onto "target.txt" barring the lines starting with a "@" sign.</p> <p>2. Write a program to reverse a string using stack.</p>	text files.																												
SEPTEMBER	25	<p>Laboratory Work: Hands On Experience -</p> <p>1. Write SQL commands for the creating an employee table and insert any 5 records. (EMPID, EMPNAME, EMPDOJ, EMPDESIG, EMPDEPT, EMPSAL)</p>	<p>The Learner:</p> <ul style="list-style-type: none"> Creates tables in MySQL using constraints and also able to insert records in tables using INSERT command. 																												
OCTOBER	18	<p>Laboratory Work: Hands On Experience -</p> <p>1. Write SQL commands for the following on the basis of given table STUDENT:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="4">Table: STUDENT</th> </tr> <tr> <th>ROLLNO</th> <th>NAME</th> <th>CLASS</th> <th>SEC</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>AMAN</td> <td>12</td> <td>A</td> </tr> <tr> <td>2</td> <td>SUMIT</td> <td>12</td> <td>B</td> </tr> <tr> <td>30</td> <td>ANJALI</td> <td>11</td> <td>A</td> </tr> <tr> <td>10</td> <td>ANITA</td> <td>12</td> <td>E</td> </tr> <tr> <td>5</td> <td>KESAV</td> <td>11</td> <td>A</td> </tr> </tbody> </table> <p>a. To display all the records of the table b. To arrange the records roll no. wise in descending order. c. To display the students of class 12 only.</p>	Table: STUDENT				ROLLNO	NAME	CLASS	SEC	11	AMAN	12	A	2	SUMIT	12	B	30	ANJALI	11	A	10	ANITA	12	E	5	KESAV	11	A	<p>The Learner:</p> <ul style="list-style-type: none"> Writes SQL queries to perform various operations.
Table: STUDENT																															
ROLLNO	NAME	CLASS	SEC																												
11	AMAN	12	A																												
2	SUMIT	12	B																												
30	ANJALI	11	A																												
10	ANITA	12	E																												
5	KESAV	11	A																												
NOVEMBER	19	<p>Laboratory Work: Hands On Experience -</p> <p>1. Write a Program to show MySQL database connectivity in python.</p>	<p>The Learner:</p> <ul style="list-style-type: none"> Connects a python program with an SQL database. 																												
DECEMBER	21	-----	-----																												
JANUARY	21	-----	-----																												
FEBRUARY	23	-----	-----																												
MARCH	23	-----	-----																												

SUBJECT - COMPUTER SCIENCE PRACTICAL (082)

TEXT BOOK: COMPUTER SCIENCE WITH PYTHON -SUMITA ARORA -XII

MONTH	COURSE CONTENT	LEARNING OUTCOMES
APRIL	<p>EXP. 1: Write a program that returns TRUE if the input number is an even number, FALSE otherwise.</p> <p>EXP. 2: Write a program that checks for presence of a value inside a dictionary and prints its key.</p> <p>EXP. 3: Write a program that finds an element's index/position in a tuple without using index().</p> <p>EXP. 4: Write a program with function that receives an octal number and prints the equivalent number in other number bases i.e. – in decimal, binary and hexadecimal equivalents.</p> <p>EXP. 5: Write a random number generator that generates random numbers between 1-6(stimulates a dice)</p>	<p>Understand the concept of functions and learn how to create and use python libraries. And also learn file handling</p>
MAY	<p>EXP. 6: Write a program to increase the salary by Rs.2000 of the employee having empno as 1251 in the file emp1.dat</p> <p>EXP. 7: Write a program to get rollno, names and marks of the students of a class(get from user) and store these details in a file called "Marks.txt" .</p>	
JUNE	<p>EXP. 8: Write a program to get item details(code, description and price) for multiple items from the user and create a csv file by writing all the items details in one go.</p>	
JULY	<p>EXP. 9: Write a program to modify a name of rollno 12 as Gurnam in file stu.dat</p> <p>EXP. 10: Write a program to open filestu.dat and search for records with roll numbers as 12 or 14. If found, display the records.</p> <p>EXP. 11: Write a program to display all the records in a file along with line/record number</p>	<p>Understand the concept of reading and writing into the files.</p>
AUGUST	<p>EXP. 12: Write a program to display the size of a file in bytes.</p> <p>EXP. 13: Write a program that copies a text file "source.txt" onto "target.txt" barring the lines starting with a "@" sign.</p> <p>EXP. 14: Write a program to implement the stack operation.</p> <p>EXP. 15: Write a program to reverse a string using stack.</p>	<p>Learn TO implement STACK In Python</p>
<p>HALF YEARLY PRACTICAL EXAMINATION: 07-08-2026 TO 11-08-2026</p>		

SEPTEMBER	<p>EXP. 16: Write SQL commands for the creating an employee table and insert any 5 records. (EMPID, EMPNAME, EMPDOJ, EMPDESIG, EMPDEPT, EMPSAL)</p>																																																																																																																															
OCTOBER	<p>EXP. 17: Create table Employee as per following Table Instance Chart.</p> <table border="1" data-bbox="383 359 1237 821"> <thead> <tr> <th>Column Name</th> <th>EID</th> <th>EName</th> <th>EAddress</th> <th>EPhone</th> <th>ESal</th> <th>DeptID</th> </tr> </thead> <tbody> <tr> <td>Key Type</td> <td>Primary</td> <td></td> <td></td> <td></td> <td></td> <td>Foreign</td> </tr> <tr> <td>Nulls / Unique</td> <td></td> <td>NOT NULL</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fk Table</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Department</td> </tr> <tr> <td>Fk Column</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Dept_ID</td> </tr> <tr> <td>Datatype</td> <td>NUMBER</td> <td>VARCHAR</td> <td>VARCHAR</td> <td>VARCHAR</td> <td>NUMBER</td> <td>VARCHAR</td> </tr> <tr> <td>Length</td> <td>6</td> <td>20</td> <td>30</td> <td>10</td> <td>9,2</td> <td>2</td> </tr> </tbody> </table> <p>EXP. 18: Write SQL commands for the following on the basis of given table STUDENT1 :</p> <table border="1" data-bbox="354 947 1221 1402"> <thead> <tr> <th>No.</th> <th>Name</th> <th>Stipend</th> <th>Stream</th> <th>AvgMark</th> <th>Grade</th> <th>Class</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Karan</td> <td>400.00</td> <td>Medical</td> <td>78.5</td> <td>B</td> <td>12B</td> </tr> <tr> <td>2</td> <td>Divakar</td> <td>450.00</td> <td>Commerce</td> <td>89.2</td> <td>A</td> <td>11C</td> </tr> <tr> <td>3</td> <td>Divya</td> <td>300.00</td> <td>Commerce</td> <td>68.6</td> <td>C</td> <td>12C</td> </tr> <tr> <td>4</td> <td>Arun</td> <td>350.00</td> <td>Humanities</td> <td>73.1</td> <td>B</td> <td>12C</td> </tr> <tr> <td>5</td> <td>Sabina</td> <td>500.00</td> <td>Nonmedical</td> <td>90.6</td> <td>A</td> <td>11A</td> </tr> <tr> <td>6</td> <td>John</td> <td>400.00</td> <td>Medical</td> <td>75.4</td> <td>B</td> <td>12B</td> </tr> <tr> <td>7</td> <td>Robert</td> <td>250.00</td> <td>Humanities</td> <td>64.4</td> <td>C</td> <td>11A</td> </tr> <tr> <td>8</td> <td>Rubina</td> <td>450.00</td> <td>Nonmedical</td> <td>88.5</td> <td>A</td> <td>12A</td> </tr> <tr> <td>9</td> <td>Vikas</td> <td>500.00</td> <td>Nonmedical</td> <td>92.0</td> <td>A</td> <td>12A</td> </tr> <tr> <td>10</td> <td>Mohan</td> <td>300.00</td> <td>Commerce</td> <td>67.5</td> <td>C</td> <td>12C</td> </tr> </tbody> </table> <p>(a) Select all the Nonmedical stream students from STUDENT1. (b) List the names of those students who are in class 12 sorted by Stipend. (c) List all students sorted by AvgMark in descending order. (d) Display a report, listing Name, Stipend, Stream and amount of stipend received in a year assuming that the Stipend is paid every month. (e) Delete the contents table.</p>	Column Name	EID	EName	EAddress	EPhone	ESal	DeptID	Key Type	Primary					Foreign	Nulls / Unique		NOT NULL					Fk Table						Department	Fk Column						Dept_ID	Datatype	NUMBER	VARCHAR	VARCHAR	VARCHAR	NUMBER	VARCHAR	Length	6	20	30	10	9,2	2	No.	Name	Stipend	Stream	AvgMark	Grade	Class	1	Karan	400.00	Medical	78.5	B	12B	2	Divakar	450.00	Commerce	89.2	A	11C	3	Divya	300.00	Commerce	68.6	C	12C	4	Arun	350.00	Humanities	73.1	B	12C	5	Sabina	500.00	Nonmedical	90.6	A	11A	6	John	400.00	Medical	75.4	B	12B	7	Robert	250.00	Humanities	64.4	C	11A	8	Rubina	450.00	Nonmedical	88.5	A	12A	9	Vikas	500.00	Nonmedical	92.0	A	12A	10	Mohan	300.00	Commerce	67.5	C	12C	<p>Students will be able to extract records and other manipulation on records using MySQL queries.</p>
Column Name	EID	EName	EAddress	EPhone	ESal	DeptID																																																																																																																										
Key Type	Primary					Foreign																																																																																																																										
Nulls / Unique		NOT NULL																																																																																																																														
Fk Table						Department																																																																																																																										
Fk Column						Dept_ID																																																																																																																										
Datatype	NUMBER	VARCHAR	VARCHAR	VARCHAR	NUMBER	VARCHAR																																																																																																																										
Length	6	20	30	10	9,2	2																																																																																																																										
No.	Name	Stipend	Stream	AvgMark	Grade	Class																																																																																																																										
1	Karan	400.00	Medical	78.5	B	12B																																																																																																																										
2	Divakar	450.00	Commerce	89.2	A	11C																																																																																																																										
3	Divya	300.00	Commerce	68.6	C	12C																																																																																																																										
4	Arun	350.00	Humanities	73.1	B	12C																																																																																																																										
5	Sabina	500.00	Nonmedical	90.6	A	11A																																																																																																																										
6	John	400.00	Medical	75.4	B	12B																																																																																																																										
7	Robert	250.00	Humanities	64.4	C	11A																																																																																																																										
8	Rubina	450.00	Nonmedical	88.5	A	12A																																																																																																																										
9	Vikas	500.00	Nonmedical	92.0	A	12A																																																																																																																										
10	Mohan	300.00	Commerce	67.5	C	12C																																																																																																																										

EXP. 19: Write SQL queries for (a) to (e) based on the tables PASSENGER and FLIGHT given below:

Table: PASSENGER

PNO	NAME	GENDER	FNO
1001	Suresh	MALE	F101
1002	Anita	FEMALE	F104
1003	Harjas	MALE	F102
1004	Nita	FEMALE	F103

Table: FLIGHT

FNO	START	END	F DATE	FARE
F101	MUMBAI	CHENNAI	2021-12-25	4500
F102	MUMBAI	BENGALURU	2021-11-20	4000
F103	DELHI	CHENNAI	2021-12-10	5500
F104	KOLKATA	MUMBAI	2021-12-20	4500

NOVEMBER

- Write a query to change the fare to 6000 of the flight whose FNO is F104.
- Write a query to display the total number of MALE and FEMALE PASSENGERS.
- Write a query to display the NAME, corresponding FARE and F_DATE of all PASSENGERS who have a flight to START from DELHI.
- Write a query to delete the records of flights which end at Mumbai.
- Add a column named 'ADDRESS' in PASSENGER table.

EXP. 20: Write a Program to show MySQL database connectivity in python.

EXP. 21: Write a Program to Perform **Insert** operation in 'Employee' table through MySQL-Python connectivity.

EXP. 22: Write a Program to Perform **Update** operation in 'Employee' table through MySQL-Python connectivity.

EXP. 23: Write a Program to Perform **Delete** operation in 'Employee' table through MySQL-Python connectivity.

Students will be able to extract records and other manipulation on records using MySQL queries with two or more tables.

Connect a python program with an SQL database and learn aggregation functions in SQL.

PREBOARD PRACTICAL EXAMINATION: 17-11-2026 TO 19-11-2026

DECEMBER		
JANUARY	-----	
FEBRUARY	-----	
MARCH	-----	

SUBJECT – PHYSICAL EDUCATION THEORY (048)

TEXT BOOK: HEALTH & PHYSICAL EDUCATION (SARASWATI PUBLICATION, DR. V. K SHARMA)

MONTH	W. D	COURSE CONTENT	SL NO	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	UNIT 1: Management of sporting events. UNIT 2: Children and women in sports.	A	PPTS	The learner will be able to- <ul style="list-style-type: none"> • Describe the functions of sport management. • Classify the committees and their responsibilities in the sport event. • Differentiate the different types of tournaments.
MAY	12	UNIT 3: Yoga as preventive measure for life style disease.	B	PPTS	The learner will be able to: <ul style="list-style-type: none"> • Identify the Asanas beneficial for different ailments and health problems. • Describe the procedure for performing a variety of Asanas for maximal benefits.
JUNE	14	UNIT 4: Physical education and sports for CWSN (children with special need- Divyang)	C	PPTS	The learner will be- <ul style="list-style-type: none"> • Value the advantages of physical activities for children with special needs. • Differentiate between methods of categorisation in sports for CWSN.
PT 1 (24-06-26 TO 04-07-26)					
JULY	26	UNIT 5: Sports and nutrition.	D	PPTS	The learner will be able to- <ul style="list-style-type: none"> • Understand the concept of balance diet and nutrition. • Identify the ways of maintain a healthy weight. • Recognise the pitfalls of dieting and food myths.
AUGUST	22	UNIT 6: Test and measurement in sports.	E	PPTS	The Learner will be able to <ul style="list-style-type: none"> • Perform SAI KHELO-INDIA fitness test in school. • Determine physical fitness index through Harvard step test. • Compute Basal Metabolic Rate.
HALF YEARLY EXAMINATION (01-09-26 TO 16-09-26)					
SEPTEMBER	25	UNIT 7: Physiology and injuries in sports.	F	PPTS	The Learner will be able to

					<ul style="list-style-type: none"> • Recognise the physiological factors determining the components of physical fitness. • Classify sports injuries with its management.
OCTOBER	18	UNIT 8: Biomechanics and sports. UNIT 9: Psychology and sports.	G	PPTS	The Learner will be able to: <ul style="list-style-type: none"> • Understands Newton's Law of motion, types of levers and their applications in sports. • Classify different types of personalities and their relationship.
NOVEMBER	19	UNIT 10: Training in sports	H	PPTS	The Learner will be able to: <ul style="list-style-type: none"> • With sports performance the learns understand a concept of talent identification and method used for talent. • Development in sports.
1ST PRE-BOARD EXAMINATION: 23-11-26 TO 04-12-26					
DECEMBER	21	----	----	----	-----
2ND PRE-BOARD EXAMINATION: 16-12-26 TO 23-12-26					
2ND PRE-BOARD EXAMINATION: 05-01-27 TO 07-01-27					
JANUARY	21	----	----	----	-----
FEBRUARY	23	----	----	----	-----
MARCH	23	----	----	----	-----

- PORTION FOR PT1: A, B, C
- PORTION FOR HALF YEARLY EXAM: SL NO A, B, C, D AND E
- PORTION FOR 1ST AND 2ND PRE-BOARD: SL NO A TO H (ENTIRE SYLLABUUS)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: PHYSICAL EDUCATION

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	SAI KHELO INDIA PHYSICAL FITNESS TEST – 50 mt dash, 600 mt Run/Walk.	The learner will be able to <ul style="list-style-type: none"> Improves neuromuscular coordination and motor skills development.
MAY	12	SAI KHELO INDIA PHYSICAL FITNESS TEST – Partial cure up test, modified push-ups (for girls) yoga.	The learner will be able to- <ul style="list-style-type: none"> Gains knowledge about purification of mind, body and soul. Improves core muscles and upper muscle strength.
JUNE	14	Brock Port physical fitness test- pull-ups.	The learner will be able to - <ul style="list-style-type: none"> Improves upper body strengths and aerobic capacity also.
JULY	26	Bench Press Reverse Curl.	The learner will be able to <ul style="list-style-type: none"> Develops muscular Strength and Endurance.
AUGUST	22	Modified Curl-up.	The learner will be able to - <ul style="list-style-type: none"> Improves flexibility.
SEPTEMBER	25	SAI KHELO INDIA PHYSICAL FITNESS TEST – Push-ups (boys), sit and reach test. Football, Kho-Kho, Basketball.	The learner will be able to- <ul style="list-style-type: none"> Analyse their development in the chapters completed.
OCTOBER		Yoga.	The learner will be able to- <ul style="list-style-type: none"> Develops flexibility of Body, Mind and Spirit.
NOVEMBER		Team game- Basketball, Badminton, Kabaddi, Cricket, Volleyball.	The learner will be able to <ul style="list-style-type: none"> Develops neuromuscular coordination and team work.
DECEMBER		Revision.	-----
JANUARY		-----	-----
FEBRUARY		-----	-----
MARCH		-----	-----

SUBJECT – PHYSICAL EDUCATION PRACTICAL

TEXT BOOK: PRACTICAL MANUAL PHYSICAL EDUCATION – CBSE - XII (ARIHANT)

MONTH	W.D.	COURSE CONTENT	SL NO	LEARNING OUTCOMES
APRIL	22	<ul style="list-style-type: none"> Physical fitness test- SAI KHELO INDIA TEST, BROCKPORT PHYSICAL FITNESS TEST (BPFT) 	A	The learner will <ul style="list-style-type: none"> Improves physical fitness.
MAY	12	<ul style="list-style-type: none"> 50 yd dash, 600 mts. Run/Walk, sit and reach test, Partial Curl-up test. 	B	The learner will be able to <ul style="list-style-type: none"> Develops speed, endurance, flexibility and core strength.
JUNE	14	<ul style="list-style-type: none"> Modified push-up (for girls), normal push-up (for boys). 	C	The learner will be able to <ul style="list-style-type: none"> Develop upper body strength and endurance.
JULY	26	<ul style="list-style-type: none"> Plate Tapping Test, Flamingo Balance test. 	D	The learner will be able to <ul style="list-style-type: none"> Develop eye and hand co-ordination balance.
AUGUST	22	Proficiency in games and sports	E	The learner will be able to <ul style="list-style-type: none"> Develops proper fundamental skills of a particular game.
HALF YEARLY EXAMINATION – 07.08.2026 TO 11.08.2026				
SEPTEMBER	25	<ul style="list-style-type: none"> Football, Cricket, Badminton, Kabaddi, Volleyball, Kho-Kho, Basketball. 	E	The learner will be able to - <ul style="list-style-type: none"> Develop endurance, speed, agility, flexibility, strength.
OCTOBER	18	<ul style="list-style-type: none"> Yogic practice, Padmasana, Vajrasana, Tada asana. 	G	The learner will be able to <ul style="list-style-type: none"> Develop flexibility and stability in mind.
NOVEMBER	19	<ul style="list-style-type: none"> Trikonasana, Ustrasana. Halasana, Hastasana 	H	The learner will be able to <ul style="list-style-type: none"> Develop concentration power.
PRE BOARD EXAMINATION – 17.11.2026 TO 19.11.2026				
DECEMBER	21	----	----	-----
JANUARY	21	----	----	-----
FEBRUARY	23	-----	----	-----
MARCH	23	-----	----	-----

SUBJECT: ACCOUNTANCY (055)

TEXT BOOKS:

1. ACCOUNTANCY-I (NCERT)
2. ACCOUNTANCY-II (NCERT)

REFERENCE BOOK:

1. ACCOUNTANCY FOR CLASS XII, PART-A, VOLUME -I ACCOUNTING FOR PARTNERSHIP FIRM
2. ACCOUNTANCY FOR CLASS XII, PART-A, VOLUME -I, ACCOUNTING FOR COMPANIES
3. ANALYSIS OF FINANCIAL STATEMENTS, CLASS XII, PART B
(AVICHAL PUBLISHING COMPANY; D.K. GOEL, RAJESH GOEL, SHELLY GOEL)

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	ACCOUNTING FOR PARTNERSHIP, BASIC CONCEPT	A	INTERPRETATION THROUGH ACCOUNTING CHART	The learner: Identify provision of Indian Partnership Act,1932, Prepare Partners' Capital A/c, make necessary adjustment to rectify the past error
May	12	RECONSTITUTION OF A PARTNERSHIP FIRM- ADMISSION OF A PARTNER (PARTLY)	B	ACCOUNTING CHART PREPARATION	The learner: Identify the matter that need adjustment at the time of admission, also determine new profit-sharing ratio, sacrificing ratio
June	14	RECONSTITUTION OF A PARTNERSHIP FIRM- ADMISSION OF A PARTNER (REMAINING PART)	C	USING ACCOUNTING FORMAT	The learner: Calculate goodwill, determine capital of each partner
PT 1 (24-06-26 TO 04-07-26)					
July	26	RECONSTITUTION OF A PARTNERSHIP FIRM- RETIREMENT/DEATH OF A PARTNER DISSOLUTION OF PARTNERSHIP FIRM	D	INTERPRETATION THROUGH VARIOUS CHART	The learner: Make necessary adjustment for accumulated profits, ascertain retiring/ deceased partner's claim Explain rules related to settlement of claim, prepare Realisation A/c

August	22	FINANCIAL STATEMENT OF A COMPANY ANALYSING FINANCIAL STATEMENT ACCOUNTING RATIO (LIQUIDITY RATIO)	E	INTERPRETATION AND APPLICATION OF FORMULAS	The learner: Describe forms of Balance Sheet as per Schedule 3 Prepare Comparative and Common Size Statement Calculate Ratio, explain the reason of solving ratios
HALF YEARLY EXAM (01-09-26 TO 16-09-26)					
September	25	ACCOUNTING RATIO (REMAINING PART)	F	USING FORMULAS, FLOW CHART	The learner – Calculate various ratios to assess solvency, profitability, efficiency of the firm
October	18	CASH FLOW STATEMENT	G	DIAGRAM TO BE FOLLOWED	The learner – Prepare Cash Flow Statement using indirect method
November	19	ACCOUNTING FOR SHARE CAPITAL, ISSUE AND REDEMPTION OF DEBENTURES PROJECT WORK	H	USE THE ACCOUNTING FORMATE AS PER AS-3	The learner – Describe Accounting treatment of share issued at par, at premium Record journal entry for issue of debentures with various terms of issue and redemption
1ST PRE BOARD (23-11-26 TO 04-12-26)					
December	21	REVISION	---	----	-----
2ND PRE BOARD (16-12-26 TO 23-12-26)					
2ND PRE BOARD (05-01-27 TO 07-01-27)					
January	21	-----	----	-----	-----
February	23	-----	----	-----	-----
March	23	-----	----	-----	-----

PORTION FOR PT 1:

SL. NO A, B, C

PORTION FOR HALF-YEARLY EXAM:

SL. NO A TO E

PORTION FOR 1ST & 2ND PRE BOARD:

SL. NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: ACCOUNTANCY (055)

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	Prepare a mock partnership deed for a small business Group discussion on Profit-sharing ratio cases	The learner – Develops their analytical skill, legal awareness
May	12	Debate on method on goodwill valuation	The learner – Develop their financial reasoning capacity
June	14	Making of Wheel Chart	The learner – Distinguish among various situation in case of admission of new partner
July	26	Prepare a settlement statement of retiring partner	The learner – Summarise various situation for retiring case and in case of deceased partner
August	22	Collect annual report of any company and identify assets, liabilities and equities	The learner – Describe and interpret real world matter
September	25	Prepare chart showing ideal ratios	The learner – Interpret different ratios applicable in real life
October	18	Prepare flow diagram and cash movement	The learner – Develop their logical sequence
November	19	Group discussion on shares and debentures of companies	The learner – Explain concepts of shares and debentures with clarity
December	21	-----	-----
January	21	-----	-----
February	23	-----	-----
March	23	-----	-----

SUBJECT: BUSINESS STUDIES (054)

TEXT BOOKS:

1. BUSINESS STUDIES FOR CLASS XII, NCERT

REFERENCE BOOK:

1. BUSINESS STUDIES FOR CLASS XII, V.K. PUBLICATION (POONAM GANDHI)

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	BUSINESS STUDIES I UNIT 1: NATURE AND SIGNIFICANCE OF MANAGEMENT UNIT 2: PRINCIPLE OF MANAGEMENT (PARTLY)	A	INTERPRETATION THROUGH FLOW CHARTS AND KEY WORDS	The learner – Understands and describe the concepts and make a outline of chapter
May	12	UNIT 2: PRINCIPLE OF MANAGEMENT (REMAINING PART) UNIT 3: BUSINESS ENVIRONMENT (PARTLY)	B	INTERPRETATION THROUGH DRAWING WHEEL CHART	The learner – States the meaning, nature and significance of principle of management, Explains principles Explains and discuss concept, importance of business environment
June	14	UNIT 3: BUSINESS ENVIRONMENT (REMAINING PART)	C	MAKING OF FLASH CARD	The learner – Describes the various elements of business environment
PT 1 (24-06-26 TO 04-07-26)					
July	26	UNIT 4: PLANNING BUSINESS STUDIES II UNIT I: FINACIAL MANAGEMENT FINANCIAL MARKET	D	MAKING OF FLOW CHART, DIAGRAMS	The learner – Analyses steps, process of planning Explains various topic to be achieved in an enterprise through various financial planning Explains different types of markets and describe importance of SEBI

August	22	BUSINESS STUDIES II UNIT II: MARKETING MANAGEMENT BUSINESS STUDIES I UNIT 5: ORGANISING UNIT 6: STAFFING	E	WHEEL CHART MAKING	The learner – Explains meaning of different sub-topic along with its advantages, disadvantages, importance of the same
HALF YEARLY EXAM (01-09-26 TO 16-09-26)					
September	25	BUSINESS STUDIES I UNIT 7: DIRECTING	F	MAKING OF FLASH CARD	The learner – Understands the principle guiding directing process, explain elements in detail
October	18	BUSINESS STUDIES I UNIT 8: CONTROLLING BUSINESS STUDIES II UNIT III: CONSUMER PROTECTION (PARTLY)	G	USE OF MNEMONIC	The learner – Explains meaning, importance, describe the techniques
November	19	UNIT III: CONSUMER PROTECTION (REMAINING PART)	H	PREPARATION OF CHART	The learner – States importance, briefly explain legal framework for consumer protection, describe consumers' right in India and the ways and means of consumer protection
1ST PRE BOARD (23-11-26 TO 04-12-26)					
December	21	REVISION	---	----	-----
2ND PRE BOARD (16-12-26 TO 23-12-26)					
2ND PRE BOARD (05-01-27 TO 07-01-27)					
January	21	-----	----	----	-----
February	23	-----	----	----	-----
March	23	-----	----	----	-----

PORTION FOR PT 1:

SL. NO A, B, C

PORTION FOR HALF-YEARLY EXAM:

SL. NO A TO E

PORTION FOR 1ST & 2ND PRE BOARD:

SL. NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)

ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: BUSINESS STUDIES (054)

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	Group Activity: Identify management function of an event	The learner – Shows their leadership quality to organize any activity
May	12	Roleplay on demonstrating principles of Henry Fayol	The learner – Develop their analytical skill
June	14	PESTLE Analysis of a company; Debate of impact of elements of business environment	The learner – Shows awareness of different elements of business environment
July	26	Flow chart preparation for types of planning Projects on different financial markets	The learner – Relates the topic with real life situation and analyse the same
August	22	Analyse Marketing Mix of any company Draw organization structure of a company	The learner – Analyses structural concept of an organisation
September	25	Role play on leadership skills and communication barriers	The learner – Develops their interpersonal skills
October	18	Comparison between planned and actual result of a hypothetical case	The learner – Develops their monitoring and evaluation skills
November	19	Role play on consumer court case	Learners' civic responsibility will develop
December	21	-----	-----
January	21	-----	-----
February	23	-----	-----
March	23	-----	-----

SUBJECT: ECONOMICS (030)

TEXT BOOKS:

1. STATISTICS FOR ECONOMICS, NCERT
2. INTRODUCTORY MICRO ECONOMICS, NCERT

REFERENCE BOOK:

1. STATISTICS FOR ECONOMICS, T.R. JAIN AND V.K. OHRI
2. INTRODUCTORY MICRO ECONOMICS, T.R. JAIN AND V.K. OHRI

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	<p>MACRO ECONOMICS</p> <p>1. INTRODUCTION</p> <p>2. NATIONAL INCOME</p> <p>A. SOME BASIC CONCEPTS OF MACRO ECONOMICS</p> <p>3. MONEY AND BANKING</p> <p>a. MONEY</p> <p>INDIAN ECONOMIC DEVELOPMENT POLICIES AND EXPERIENCES (1947-90)</p> <p>a. INDIAN ECONOMY ON THE EVE OF INDEPENDENCE</p>	A	<p>DIAGRAMATIC REPRESENTATION AND CHART MAKING</p>	<p>The learner -</p> <p>Understands the meaning, scope and importance of macro economics</p> <p>Understands the concept and significance of national income</p> <p>Identify different concept of national income and</p> <p>Explains the method of calculating national income</p> <p>Understands money and its function and types, working of commercial banks and central bank</p> <p>Analyses tools of monetary policy, understand the nature of the Indian Economy during British Rule</p>
May	12	<p>MACRO ECONOMICS</p> <p>MONEY AND BANKING</p> <p>B. BANKING</p> <p>INDIAN ECONOMIC DEVELOPMENT POLICIES AND EXPERIENCE (1947-90)</p> <p>b. INDIAN ECONOMY (1950-1990)</p>	B	<p>CHART MAKING SHOWING THE WORKING OF MONEY CREATION AND DIAGRAMATIC PRESENTATION OF GOAL'S OF 5 YEARS PLAN</p>	<p>The learner:</p> <p>Understands the objective of economic planning in India</p> <p>Evaluates achievement and limitation of planning (1947-90)</p> <p>Understands growth pattern of Indian Economy (1952-1990)</p> <p>Understands the progress in infrastructure and human development</p> <p>Evaluates successes and failure of economic planning</p>
June	14	<p>INDIAN ECONOMIC DEVELOPMENT</p>	C	<p>CARTOON AND COMIC STRIPS ON GREEN</p>	<p>The learner:</p>

		2. ECONOMIC REFORMS SINCE 1991 a. LIBERALISATION, PRIVATISATION GLOBALISATION: AN APPRAISAL		REVOLUTION- "A REVOLUTIONER Y RISE IN PRODUCTIVITY	Understands LPG reforms, policy measures and their impact on the Indian Economy since 1991
PT 1 (24-06-26 TO 04-07-26)					
July	26	MACRO ECONOMICS 2. NATIONAL INCOME B. CIRCULAR FLOW OF INCOME AND METHODS OF CALCULATING NATIONAL INCOME C. SOME MACRO ECONOMIC IDENTITIES D. NOMINAL AND REAL GDP E. GDP AND WELFARE INDIAN ECONOMIC DEVELOPMENT 3. CURRENT CHALLENGES FACING THE INDIAN ECONOMY A. HUMAN CAPITAL FORMATION IN INDIA	D	MIND MAPPING USING ART SHOWING AND RELATED AGGREGATES OF NATIONAL INCOME AND CHART MAKING N HUMAN CAPITAL FORMATION	The learner: Understands the circular flow of income Identifies difficulties in measurement of national income Understands the meaning and sources of human capital Identifies factors affecting human capital formation in India Understands problems of Govt. initiatives related to human capital formation
August	22	MACRO ECONOMICS 4. DETERMINATION OF INCOME AND EMPLOYEMENT A. AD AND ITS COMPONENTS B. DETERMINATION OF INCOME IN TWO SECTORS MODEL C. DETERMINATION OF EQUILIBRIUM INCOME IN THE SHORT RUN D. THE MULTIPLIER MECHANISM E. SOME MORE CONCEPTS, INDIAN ECONOMIC DEVELOPMENT 3. CURRENT CHALLENGES FACING THE INDIAN ECONOMY B. RURAL DEVELOPMENT	E	MAKING A TABULAR REPRESENTATIONS SHOWING RURAL DEVELOPMENT FOR LAST 5 YEARS	The learner: Understands the concepts of AD AND AS Explains consumption and investment functions Analyses determination of equilibrium income and employment Understands and identifies issues of rural credit, agriculture and infrastructure Identifies Govt. initiatives for rural development Understands trends in employment growth in India Analyses problems related to unemployment and underemployment

		C. EMPLOYEMENT GROWTH, INFORMALISATION AND OTHER ISSUES			Evaluates Govt. measured for employment generation
HALF YEARLY EXAM (01-09-26 TO 16-09-26)					
September	25	MACRO ECONOMICS 5. GOVT. BUDGET AND THE ECONOMY A. GOVT. BUDGET- MEANING AND ITS COMPONENTS B. BALANCED SURPLUS AND DEFICITE BUDGET INDIAN ECONOMIC DEVELOPMENT 3. CURRENT CHALLENGES FACING THE INDIAN ECONOMY D. ENVIRONMENT AND SUSTAINABLE DEVELOPMENT MACRO ECONOMICS 6. OPEN ECONOMY MACRO ECONOMICS A. THE FOREIGN EXCHANGE MARKET B. THE BALANCE OF PAYMENTS	F	PRESENTING A TREE SHOWING DIFFERENT OBJECTIVES OF GOVT. BUDGET AND ITS COMPONENTS AND DD & SS OF CURRENCY COINS OF DIFFERENT COUNTRIES	The learner: Understands and analyses the impact of Govt. budget on the economy Explains the role of fiscal policy in economic stability Understands the concepts of environment and sustainable development Identifies causes and effect of environment degradation Understands exchange rate determination and balance of payment management
October	18	INDIAN ECONOMIC DEVELOPMENT 4. DEVELOPMENT EXPERIENCES OF INDIA: A COMPARISON WITH NEIGHBOURS A COMPARATIVE DEVELOPMENT EXPERIENCES OF INDIA AND ITS NEIGHBOURS	G	DEVELOPMENT THROUGH ART: "INDIA AND ITS NEIGHBOURS" POSTER MAKING ACTIVITY	The learner: Understands the development strategies of Chaina and Pakistan Identifies key features of economic reforms and policy choice in neighboring countries Understands differences in growth, poverty reduction and human development
November	19	REVISION	H		
1ST PRE BOARD (23-11-26 TO 04-12-26)					

December	21	REVISION	---	----	-----
2ND PRE BOARD (16-12-26 TO 23-12-26)					
2ND PRE BOARD (05-01-27 TO 07-01-27)					
January	21	----	----	----	-----
February	23	----	----	----	-----
March	23	----	----	----	-----

PORTION FOR PT 1:

SL. NO A, B, C

PORTION FOR HALF-YEARLY EXAM:

SL. NO A TO E

PORTION FOR 1ST & 2ND PRE BOARD:

SL. NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)



ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

SUBJECT: ECONOMICS (030)

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	MACRO ECONOMICS CH: Banking Activity: Visit/Virtual tour of a bank	The learner – Understands the practical functioning of a bank
May	12	INDIAN ECONOMIC DEVELOPMENT CH: INDIAN ECONOMY 1950-1990 Activity: Tree making showing of goals of 5 years plan	The learner – Identifies the objectives of India's 5 years plan
June	14	INDIAN ECONOMIC DEVELOPMENT CH: LPG: An Appraisal Activity, Class Test	The learner – Demonstrates the knowledge of skills after the test
July	26	MACRO ECONOMICS CH: Methods of calculating N.I. Activity: Worksheet on computing of N.I.	The learner – Integrates the sub-topics and understand the chapters
August	22	INDIAN ECONOMIC DEVELOPMENT CH: Employment Activity: Current status on employment with the help of graph through slide show	The learner – Analyses the current employment situation in India
September	25	MACRO ECONOMICS CH: Govt. Budget and the economy Activity: Preparing Project on this topic and PPT representation	The learner – Analyses the impact of the Govt. budget on the economy
October	18	MACRO ECONOMICS CH: The Balance of Payment Activity: BoP through graphs and charts	The learner – Analyses the data and interpret skills and to have conceptual clarity of BoP components and disequilibrium
November	19	-----	-----
December	21	-----	-----
January	21	-----	-----
February	23	-----	-----
March	23	-----	-----

SUBJECT: GEOGRAPHY (029)

TEXT BOOKS:-

01. FUNDAMENTALS OF HUMAN GEOGRAPHY (Textbook for Class XII) – NCERT

02. INDIA – PEOPLE AND ECONOMY (Textbook for Class XII) - NCERT

MONTH	W. D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	A: Ch-1: Human geography Ch 2: The world Population - Distribution, density and Growth B: Ch-1: Population: Distribution, Density, Growth and Composition.	A	Group discussion & debate on how Science and Technology helped in population growth.	The learner will be able to: - <ul style="list-style-type: none"> • Explain the interdependence between nature and human beings. • Describe different stages of population growth using the Demographic Tradition Theory. • Explain population distribution, density of population and their characteristics.
MAY	12	A. Ch-3: People - Human Development. B. Ch-2: Human Settlements.	B	Preparation of graph to show the growth of Urban population of India.	The learner will be able to: - <ul style="list-style-type: none"> • explain the basic indicators of human development & measure the level of Human Development. • compare the rural and urban settlement.
JUNE	14	A: Ch-4: Primary Activities B: Ch-3: Land Resources and Agriculture	C	Slide show/ PPT/ Videos on land use.	The learner will be able to: — <ul style="list-style-type: none"> • identify different types of primary activities & explain them. • describe the features of different types of farming. • understand the technological developments & challenges faced by Indian peasants.
PT-1 (24.6.2026 To 04.07.2026)					
JULY	26	A: Ch-5: Secondary Activities B: Ch-3: Land Resources and Agriculture (Contd...) Ch-4: Water Resources	D	List out the major sources of water surrounding your region.	The learner will be able to: — <ul style="list-style-type: none"> • explain key concepts of large-scale manufacturing, high technology industry, agri business and factors affecting its location. • evaluate the water demand and supply in India & causes of water scarcity in India.
AUGUST	22	A: Ch-6: Tertiary and Quaternary activities B: Ch-5: Mineral and Energy	E	Class Discussion on how convenient and beneficial the fast-growing service sector in	The learner will be able to: — <ul style="list-style-type: none"> • compare and contrast traditional and modern economic activities and its role in the economic development. • classify minerals on the basis of chemical

		Resources. B: Ch-6: Planning and Sustainable Development in Indian Context.		the World.	and physical properties and identify the major mineral belts.
HALF YEARLY (CLASS XII) 01.09.2026 — 16.09.2026					
SEPTEMBER	25	A: Ch-7: Transport, Communication and Trade. B: Ch-7: Transport and Communication	F	Map Pointing Important Sea ports & airports.	The learner will be able to: — <ul style="list-style-type: none"> compare and contrast modes of transport. explain the relationship between transport and communication and its influence in the economic development of a region. describe different types of roads found in different parts of the country.
OCTOBER	18	A: Ch-8: International Trade. B: Ch-8: International Trade	G	Group Discussion on impact of Globalization on trade.	The learner will be able to: — <ul style="list-style-type: none"> describe international trade and its impact on various countries. discuss the impact of WTO on current global Trade. understand the reasons for changing pattern of the composition of India's export and import.
NOVEMBER	19	B: Ch-9: Geographical Perspective on selected issues and problems.	H	PPT/Slide Show on cause of environmental degradation. Map Pointing	The learner will be able to: — <ul style="list-style-type: none"> classify different types of pollution. identify the causes and measures to be undertaken to control different types of pollution.
1ST PRE BOARD EXAMINATION: 23-11-26 TO 04-12-26					
DECEMBER	21	-----	----	-----	-----
2ND PRE BOARD EXAMINATION: 16-12-26 TO 23-12-26					
2ND PRE BOARD EXAMINATION: 05-01-27 TO 07-01-27					
JANUARY	21	-----	----	-----	-----
FEBRUARY	23	-----	----	-----	-----
MARCH	23	-----	----	-----	-----

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

PORTION FOR HALF YEARLY EXAMINATION: SL. NO. A, B, C, D & E.

PORTION FOR 1ST & 2ND PRE-BOARD: SL. NO A TO H (ENTIRE SYLLABUS)

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

SUBJECT: GEOGRAPHY

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	B: Ch 1: Population - Density and Growth MAP WORK - Locating and labelling the states according to their density.	The learner will be able to: <ul style="list-style-type: none"> know the population density of different states in India.
MAY	12	A: Ch 4: People - Human Development. Brainstorming session in the form of Quiz.	The learner will be able to: <ul style="list-style-type: none"> improve team spirit and generate a quality of ideas.
JUNE	14	B: Ch 5 - Land Resources and Agriculture. Graphical Representation of land use in India.	The learner will be able to: <ul style="list-style-type: none"> integrate art with geography.
JULY	26	B: Ch 4: Water Resources. List out major sources of water surrounding your area.	The learner will be able to: <ul style="list-style-type: none"> find out the sources of fresh water.
AUGUST	22	A: Ch 6: Tertiary and Quaternary Activities. Group Discussion on Tertiary and Quaternary activities.	The learner will be able to: <ul style="list-style-type: none"> increase their team spirit and gain knowledge through collaborative learning.
SEPTEMBER	25	A: Ch 7: Transport, Communication and Trade. Map Work - Seaports & airports.	The learner will be able to <ul style="list-style-type: none"> locate and label the important seaports and airports.
OCTOBER	18	B: Ch 8: International Trade. Class Test.	The learner should be able to: <ul style="list-style-type: none"> recapitulate their learnt knowledge.
NOVEMBER	19	B: Ch-9: Geographical Perspective on selected issues and problem. Case study on anyone environmental problem.	The learner will be able to: <ul style="list-style-type: none"> relate their text knowledge with their surroundings.
DECEMBER	21	-----	-----
JANUARY	21	-----	-----
FEBRUARY	23	-----	-----
MARCH	23	-----	-----

SUBJECT: GEOGRAPHY (029) - PRACTICAL

TEXT BOOK: -

01. PRACTICAL WORK IN GEOGRAPHY (NCERT) PART-II

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Ch 1: Data - Its source and compilation Ch 2: Data Processing	A	Group the data and calculate mean, median & mode of the height of different students of the class.	The learner will be able to: <ul style="list-style-type: none"> Analyze and interpret any given data. Group the raw data using tally marking.
MAY	12	Ch 3: Graphical Representation of Data.	B	Construct a bar diagram with the given data	The learner will be able to: <ul style="list-style-type: none"> Identify the type of graph necessary to present data in a given situation.
JUNE	14	Ch 3: Graphical Representation of Data (Contd...)	C	Construct a pie diagram	The learner will be able to: <ul style="list-style-type: none"> Construct different types of graphs and diagrams to represent the given data.
JULY	26	Ch 3: Graphical Representation of Data (Contd.)	D	Construct a pie diagram showing land-use	The learner will be able to: <ul style="list-style-type: none"> Construct bar diagram and pie diagram with the given data.
AUGUST	22	Ch 3: Graphical Representation of Data.	E	Dot Map & Choropleth map, showing population density.	The learner will be able to: <ul style="list-style-type: none"> Construct dot map and Choropleth map.
HALF YEARLY EXAMINATION: 07.08.2026 to 11.08.2026					
SEPTEMBER	25	Ch 4: Spatial Information Technology	F	----	The learner will be able to: <ul style="list-style-type: none"> explain about spatial information
OCTOBER	18	Ch 4: Spatial Information Technology	G	----	The learner will be able to: <ul style="list-style-type: none"> explain and describe the advantages of GIS over other methods.
NOVEMBER	19	Ch 4: Spatial Information Technology	H	Concept map on components of GIS	The learner will be able to: <ul style="list-style-type: none"> describe the components of GIS.
PRE BOARD PRACTICAL EXAMINATION: - 17.11.2026 - 19.11.2026					
DECEMBER	21	----	----	----	----
JANUARY	21	----	----	----	----
FEBRUARY	23	----	----	----	----
MARCH	23	----	----	----	----

- PORTION FOR HALF YEARLY PRACTICAL EXAM: SL NO A, B, C, D, E
- PORTION FOR 1ST AND 2ND PRE BOARD PRACTICAL EXAM: SL NO A TO H (ENTIRE SYLLABUS) (CBSE CURRICULUM)

SUBJECT - INFORMATION TECHNOLOGY (802)

TEXT BOOK: INFORMATION TECHNOLOGY – PREETI SAXENA -XII

MONTH	WD	TD	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	19	PART B: UNIT 1: DATABASE CONCEPTS – RDBMS TOOLS PART B: UNIT 2: OPERATING WEB BASED APPLICATIONS	A	PPT on Experience on Database Concepts	The Learner: <ul style="list-style-type: none"> Develops the skill to write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS. comes to know about various operating web-based applications.
MAY	12	10	PART A: UNIT 4: ENTREPRENEURIAL SKILLS-IV PART A: UNIT 1: COMMUNICATION SKILLS-IV	B	PPT on Entrepreneurial Skills & Communication Skills.	The Learner: <ul style="list-style-type: none"> understands various Entrepreneurial Skills and applies knowledge of human communication and language processes as they occur across various contexts.
JUNE	14	11	PART A: UNIT 1: COMMUNICATION SKILLS-IV	C		
PT-1 (24-06-2026 TO 04-07-2026)						
JULY	26	23	PART A: UNIT 3: ICT-SKILLS-IV PART A: UNIT 2: SELF-MANAGEMENT SKILLS-IV	D	PPT on ICT-SKILLS and SELF MANAGEMENT SKILLS	The Learner: <ul style="list-style-type: none"> comes to know the basic concept of computers and its working. develops the skills of self-awareness, self-motivation and self-regulation
AUGUST	22	20	PART B: UNIT 4: WORK INTEGRATED LEARNING IT – DMA	E	PPT on WORK INTEGRATED LEARNING	<ul style="list-style-type: none"> The Learner: understands the various real-life applications of IT.
HALF YEARLY EXAMINATION: 01-09-2026 TO 16-09-2026						

SEPTEMBER	25	20	PART B: UNIT 3: JAVA PROGRAMMING	F	PPT on JAVA PROGRAMMING	The Learner: <ul style="list-style-type: none"> develops the skill to use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.
OCTOBER	18	16	PART B: UNIT 3: JAVA PROGRAMMING	G	PPT on JAVA PROGRAMMING	
NOVEMBER	19	16	PART A: UNIT 5: GREEN SKILLS-IV	H	PPT on GREEN SKILLS	<ul style="list-style-type: none"> The Learner: Gains inspiration on how to develop students' green skill set, including knowledge about sustainability themes and responsible attitudes towards the environment.
1ST PRE-BOARD EXAMINATION: 23-11-2026 TO 04-12-2026						
2ND PRE-BOARD EXAMINATION: 16-12-2026 TO 23-12-2026						
DECEMBER	21	18	----		----	----
2ND PRE-BOARD EXAMINATION: 05-01-2027 TO 07-01-2027						
JANUARY	21	18	----		----	----
FEBRUARY	23	18	----		----	----
MARCH	23	----	----		----	----

PORTION FOR PT-1 : **SL. NO. A, B, C**
PORTION FOR HALF YEARLY EXAM : **SL. NO. A TO E**
PORTION FOR PREBOARD – 1 & 2 : **SL. NO. A TO H (ENTIRE SYLLABUS)**

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP – 2020 / NCF / NCrf
INFORMATION TECHNOLOGY (802)**

<u>MONTH</u>	<u>ACTIVITIES</u>	<u>LEARNING OUTCOMES</u>																														
APRIL	<p>Laboratory Work: Hands On Experience:</p> <ol style="list-style-type: none"> To create an EMPLOYEE table in MySQL with the following fields: ECODE, ENAME, DEPT, CITY, GENDER, SALARY and write a query to display the structure of the table. To create a STUDENT table in MySQL with the following fields: SROLLNO, SNAME, CLASS, SEC, GENDER, ADDRESS and enter any 5 records. Also, write the query to display the whole table. 	<p>The Learner: Develops the skill to create SQL tables and can write SQL queries in MySQL for various functionalities.</p>																														
MAY	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Create a poster in Open Office .org Impress on the topic “Characteristics of Entrepreneurship” . Create a poster in Open Office .org Impress on the topic “Various stages of Active Listening” using images. 	<p>The Learner: Develops the skill to create posters in Impress using various Impress formatting features.</p>																														
JUNE	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Create a poster in Open Office .org Writer on the topic “Parts of Speech”. 	<p>The Learner: Develops the skill to create posters in Impress using various formatting features.</p>																														
JULY	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Write SQL queries for the following given below: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TID</th> <th>TNAME</th> <th>T_DEPARTMENT</th> <th>T_AGE</th> <th>ADDRESS</th> </tr> </thead> <tbody> <tr> <td align="center">56</td> <td align="center">MR. DAS</td> <td align="center">SCIENCE</td> <td align="center">63</td> <td align="center">NAGPUR</td> </tr> <tr> <td align="center">46</td> <td align="center">MR. SINGH</td> <td align="center">INFORMATION TECHNOLOGY</td> <td align="center">42</td> <td align="center">BHOPAL</td> </tr> <tr> <td align="center">44</td> <td align="center">MRS. SHARMA</td> <td align="center">INFORMATION TECHNOLOGY</td> <td align="center">35</td> <td align="center">KOLKATA</td> </tr> <tr> <td align="center">10</td> <td align="center">MRS. KAUR</td> <td align="center">SCIENCE</td> <td align="center">55</td> <td align="center">BHOPAL</td> </tr> <tr> <td align="center">05</td> <td align="center">MR. DEY</td> <td align="center">SCIENCE</td> <td align="center">45</td> <td align="center">KOLKATA</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Display the names and ID of Information Technology teachers. Display the names of those teachers whose publishing year is less than 50. Display the names and ID of the teachers from Kolkata and Bhopal. Display the names of those teachers whose name ends with ‘A’. Remove the table from the database. 	TID	TNAME	T_DEPARTMENT	T_AGE	ADDRESS	56	MR. DAS	SCIENCE	63	NAGPUR	46	MR. SINGH	INFORMATION TECHNOLOGY	42	BHOPAL	44	MRS. SHARMA	INFORMATION TECHNOLOGY	35	KOLKATA	10	MRS. KAUR	SCIENCE	55	BHOPAL	05	MR. DEY	SCIENCE	45	KOLKATA	<p>The Learner: Develops the skill to execute queries in MySQL to perform various operations.</p>
TID	TNAME	T_DEPARTMENT	T_AGE	ADDRESS																												
56	MR. DAS	SCIENCE	63	NAGPUR																												
46	MR. SINGH	INFORMATION TECHNOLOGY	42	BHOPAL																												
44	MRS. SHARMA	INFORMATION TECHNOLOGY	35	KOLKATA																												
10	MRS. KAUR	SCIENCE	55	BHOPAL																												
05	MR. DEY	SCIENCE	45	KOLKATA																												

<p>AUGUST</p>	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> To create a MEDICINE table in Calc with the following fields: M_ID, MNAME, DOM, DOE and PRICE, and enter any 5 records and demonstrate the use of sorting and filtering. 	<p>The Learner: Develops the skill to create tables in ooo Calc and can perform various operations.</p>
<p>SEPTEMBER</p>	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Write a program in JAVA Netbeans to accept an alphabet from the user and check whether the alphabet is vowel or consonant. Write a program in JAVA Netbeans to check whether a number is even or odd. 	
<p>OCTOBER</p>	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Write a program in JAVA Netbeans to print the following series: 1, 4, 9, 16, 25, 36, 49. <p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Write a program in JAVA Netbeans to print the Fibonacci Series by getting input of the number of terms in the series during run time. (0 1 1 2 3 5 8 13 21 34) Write a program in JAVA Netbeans to find the average of the given array 27, 38, 57, 84, 64. 	<p>The Learner: Develops the skill to execute programming in Java.</p>
<p>NOVEMBER</p>	<p>Laboratory Work: Hands On Experience –</p> <ol style="list-style-type: none"> Write a program in JAVA to create a class name STUDENT with the following descriptions: <p>Data Members: Rollno, Name, Class, marks of three subjects, Total Marks and Average Marks</p> <p>Member Functions:</p> <p>(a) Create a constructor to initialize the values of the data members. (b) A function Calculate() to find the total and average marks of the students. (c) A function Display() to display the records of the students. Use Arrays to enter and display 5 such records of the students.</p>	
<p>DECEMBER</p>	<p>-----</p>	
<p>JANUARY</p>	<p>-----</p>	
<p>FEBRUARY</p>	<p>-----</p>	
<p>MARCH</p>	<p>-----</p>	

SUBJECT - INFORMATION TECHNOLOGY PRACTICAL (802)

TEXT BOOK: INFORMATION TECHNOLOGY – PREETI SAXENA -XII

MONTH	PORTION TO BE TAUGHT	LEARNING OUTCOMES																																																												
April	<p>EXP. 1: To create an EMPLOYEE table in MySQL with the following fields: ECODE, ENAME, DEPT, CITY, GENDER, SALARY and write a query to display the structure of the table.</p> <p>EXP. 2: To create a STUDENT table in MySQL with the following fields: SROLLNO, SNAME, CLASS, SEC, GENDER, ADDRESS and enter any 5 records.</p> <p>EXP. 3: To create a TEACHER table in MySQL with the following fields: TID, TNAME, TSUBJECT, GENDER, ADDRESS, SALARY and enter any 5 records. Also, write queries to extract the names of teachers having salary more than 50,000.</p>	<ul style="list-style-type: none"> • The Learner: develops the skill to operate sql queries in MySql 																																																												
May	<p>EXP. 4: Write SQL queries for the following given below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th>ROLLNO</th> <th>NAME</th> <th>CLASS</th> <th>SEC</th> <th>PERCENTAGE</th> <th>ADDRESS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5</td> <td>AMIT</td> <td style="text-align: center;">11</td> <td style="text-align: center;">A</td> <td style="text-align: center;">92.8</td> <td>KOL</td> </tr> <tr> <td style="text-align: center;">9</td> <td>SUMIT</td> <td style="text-align: center;">12</td> <td style="text-align: center;">A</td> <td style="text-align: center;">91.0</td> <td>ASN</td> </tr> <tr> <td style="text-align: center;">3</td> <td>RAJ</td> <td style="text-align: center;">12</td> <td style="text-align: center;">B</td> <td style="text-align: center;">63.4</td> <td>DGP</td> </tr> <tr> <td style="text-align: center;">10</td> <td>PUJA</td> <td style="text-align: center;">11</td> <td style="text-align: center;">B</td> <td style="text-align: center;">88.0</td> <td>ASN</td> </tr> <tr> <td style="text-align: center;">23</td> <td>SOMA</td> <td style="text-align: center;">12</td> <td style="text-align: center;">A</td> <td style="text-align: center;">78.0</td> <td>KOL</td> </tr> </tbody> </table> <p>i) Display the names of those students whose percentage is more than 85%.</p> <p>ii) Display the names and roll numbers of class 12 students.</p> <p>iii) Display the names of those students who are not from Kolkata (KOL)</p> <p>iv) Display the names of those students whose name starts with 'S'.</p> <p>v) Remove the table from the database.</p> <p>EXP. 5: Write SQL queries for the following given below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th>PID</th> <th>PNAME</th> <th>COST_PRICE</th> <th>SELLING_PRICE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1001</td> <td>CD</td> <td style="text-align: center;">30</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="text-align: center;">2003</td> <td>DVD</td> <td style="text-align: center;">50</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">2006</td> <td>PEN DRIVE</td> <td style="text-align: center;">450</td> <td style="text-align: center;">550</td> </tr> <tr> <td style="text-align: center;">3366</td> <td>KEYBOARD</td> <td style="text-align: center;">1300</td> <td style="text-align: center;">1500</td> </tr> <tr> <td style="text-align: center;">4451</td> <td>MONITOR</td> <td style="text-align: center;">6500</td> <td style="text-align: center;">8000</td> </tr> </tbody> </table> <p>i) Display the names of those products whose cost price is less than 1000.</p> <p>ii) Display the names of those products whose selling price is more than 500.</p>		ROLLNO	NAME	CLASS	SEC	PERCENTAGE	ADDRESS	5	AMIT	11	A	92.8	KOL	9	SUMIT	12	A	91.0	ASN	3	RAJ	12	B	63.4	DGP	10	PUJA	11	B	88.0	ASN	23	SOMA	12	A	78.0	KOL	PID	PNAME	COST_PRICE	SELLING_PRICE	1001	CD	30	50	2003	DVD	50	60	2006	PEN DRIVE	450	550	3366	KEYBOARD	1300	1500	4451	MONITOR	6500	8000
ROLLNO	NAME		CLASS	SEC	PERCENTAGE	ADDRESS																																																								
5	AMIT	11	A	92.8	KOL																																																									
9	SUMIT	12	A	91.0	ASN																																																									
3	RAJ	12	B	63.4	DGP																																																									
10	PUJA	11	B	88.0	ASN																																																									
23	SOMA	12	A	78.0	KOL																																																									
PID	PNAME	COST_PRICE	SELLING_PRICE																																																											
1001	CD	30	50																																																											
2003	DVD	50	60																																																											
2006	PEN DRIVE	450	550																																																											
3366	KEYBOARD	1300	1500																																																											
4451	MONITOR	6500	8000																																																											

iii) Display the names of those products whose product ID is less than 3000.
 iv) Display the names of those products whose name starts with 'M'.
 v) Remove the table from the database.

EXP. 6: Write SQL queries for the following given below:

BOOKNO	BNAME	BTYPE	PUBLISHING_ YEAR	B_PRICE
102	ICON	FICTION	1998	1500
104	THE SKY	FANTASY	2000	1600
106	CLICK ON SELECT	HORROR	2001	550
108	YOU CAN WIN	CLASSICS	1985	750
110	THE BLOOD	CRIME	2000	900

i) Display the names of those books whose cost price is less than 1000.
 ii) Display the names of those books whose publishing year is after 2000.
 iii) Display the names of those books whose product ID is less than 3000.
 iv) Display the names of those books whose name starts with 'T'.
 v) Remove the table from the database.

June

EXP. 7: Write SQL queries for the following given below:

TID	TNAME	T_DEPARTMENT	T_AGE	ADDRESS
56	MR. DAS	SCIENCE	63	NAGPUR
46	MR. SINGH	INFORMATION TECHNOLOGY	42	BHOPAL
44	MRS. SHARMA	INFORMATION TECHNOLOGY	35	KOLKATA
10	MRS. KAUR	SCIENCE	55	BHOPAL
05	MR. DEY	SCIENCE	45	KOLKATA

i) Display the names and ID of Information Technology teachers.
 ii) Display the names of those teachers whose publishing year is less than 50.
 iii) Display the names and ID of the teachers from Kolkata and Bhopal.
 iv) Display the names of those teachers whose name ends with 'A'.
 v) Remove the table from the database.

EXP. 8: To create a PRODUCT table in Calc with the following fields: PID, PNAME, COST_PRICE, SELLING_PRICE, PROFIT and enter any 5 records. Also, find the MAXIMUM PROFIT.
EXP. 9: To create a BOOK table in Calc with the following fields:

July

- **The Learner:** develops the skills to create tables in ooo calc and can perform various mathematical

	BID, BNAME, PUBLISHER, YEAR_OF_RELEASE and PRICE, and enter any 5 records and sort the table price wise in descending order.	calculations
August	EXP. 10: To create a MEDICINE table in Calc with the following fields: M_ID, MNAME, DOM, DOE and PRICE, and enter any 5 records and demonstrate the use of sorting and filtering.	
HALF YEARLY PRACTICAL EXAMINATION: 07-08-2026 TO 11-08-2026		
September	<p>EXP. 11: Write a program in JAVA Netbeans to find the area and perimeter of a rectangle.</p> <p>EXP. 12: Write a program in JAVA Netbeans to accept an alphabet from the user and check whether the alphabet is vowel or consonant.</p> <p>EXP. 13: Write a program in JAVA Netbeans to check whether a number is even or odd.</p> <p>EXP. 14: Write program in JAVA Netbeans to check leap year.</p> <p>EXP. 15: Write a program in JAVA Netbeans to print the following series: 1, 4, 9, 16, 25, 36, 49.</p> <p>EXP. 16: Write a program in JAVA Netbeans to find the factorial of a number $n = 1 * 2 * 3 * 4 * \dots * n$.</p> <p>EXP. 17: Write a program in JAVA Netbeans to check whether a string is palindrome or not.</p> <p>EXP. 18: Write a program in JAVA Netbeans to check whether a number is prime or not.</p>	<p>The Learner:</p> <ul style="list-style-type: none"> develops the skill to execute programming in Java.
October	<p>EXP. 19: Write a program in JAVA Netbeans to design simple calculator (+, -, *, /) using switch statement.</p> <p>EXP. 20: Write a program in JAVA Netbeans to print the Fibonacci Series by getting input of the number of terms in the series during run time. (0 1 1 2 3 5 8 13 21 34)</p> <p>EXP. 21: Write a program in JAVA Netbeans to find the average of the given array 27, 38, 57, 84, 64.</p> <p>EXP. 22: Write a program in JAVA Netbeans to accept three numbers from the user and find the largest number</p>	<p>The Learner:</p> <p>develops the skill to execute programming in Java.</p>

	<p>EXP. 23: Write a program in JAVA Netbeans to check whether a character is alphabet or not.</p> <p>EXP. 24: Write a program in JAVA Netbeans to swap two numbers without using a third variable.</p> <p>EXP. 25: Write a program in JAVA to create a class name STUDENT with the following descriptions:</p> <p>Data Members: Rollno, Name, Class, marks of three subjects, Total Marks and Average Marks</p> <p>Member Functions:</p> <p>(a) Create a constructor to initialize the values of the data members.</p> <p>(b) A function Calculate() to find the total and average marks of the students.</p> <p>(c) A function Display() to display the records of the students.</p> <p>Use Arrays to enter and display 5 such records of the students.</p>		
	PREBOARD PRACTICAL EXAMINATION: 17-11-2026 TO 19-11-2026		
	December	-----	-----
	January	-----	-----
	February	-----	-----
March	-----	-----	

SUBJECT: HPE – S1 (GAMES / SPORTS)

MONTH	W.D	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Athletics-Standing Broad Jump	A	PPTS	THE LEARNER – 1. Develops Neuro muscular co-ordination turning games.
MAY	12	Athletics-Running Team Game- Kabaddi	B	Group Activity PPTS	THE LEARNER – 1. Develops motor skills.
JUNE	14	Athletics-Broad Jump Team Game-Basketball	C	PPTS	THE LEARNER – 1. Develops explosive strength & endurance.
JULY	26	Athletics-Running Team Game-Football (for boys) Kho-Kho (for girls)	D	PPTS	THE LEARNER 1. Develops skills, techniques and tactics.
AUGUST	22	Athletics-Long Jump Team Game-Volleyball and Badminton	E	PPTS	THE LEARNER 1. Develops inner qualities-self masters. Discipline, courage, confidence and efficiency.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26					
SEPTEMBER	25	Athletics-Shuttle Run Team Game, Yoga	F	PPTS	THE LEARNER 1. Develops speed & agility & concentration power.
OCTOBER	18	Athletics-Running, Jogging Team Game- Cricket	G	PPTS	THE LEARNER 1. Develops motor skills.
NOVEMBER	19	Athletics-Push Up Team Game- Handball	H	PPTS	THE LEARNER 1. Develops neuromuscular coordination.
DECEMBER	21	----	----	-----	----
JANUARY	21	----	----	-----	----
INTERNAL ASSESSMENT FOR BOARD: 08-01-27 TO 31-01-27					
FEBRUARY	23	----	----	-----	----
MARCH	23	----	----	-----	----

SUBJECT: HPE – S2 (HEALTH & FITNESS)

MONTH	W.D	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Jogging/ Running Free hand Exercises, Skipping	A	Group Activity PPTS	THE LEARNER – 1. Develops motor skills.
MAY	12	Cycling, Jumping Jacks, Calisthenics	B	Group Activity PPTS	THE LEARNER – 1. Develops speed, agility & endurance.
JUNE	14	Walking & Hiking Practice Asana	C	Group Activity PPTS	THE LEARNER – 1. Develops flexibility.
JULY	26	Free hand exercises, Aerobics	D	Group Activity	THE LEARNER 1. Develops co-ordination.
AUGUST	22	Stair Training Karate	E	PPTS Group Activity	THE LEARNER 1. Develops self defence.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26					
SEPTEMBER	25	Practice – <i>Asana pavanmuktasana, matsayasana, pachimottansana</i>	F	PPTS	THE LEARNER 1. Will be able to make the pupil physically, mentally fit.
OCTOBER	18	Practice- <i>Pranayama Kapalbhata, yogmudra, Nadi Shodhana Pranayama</i>	G	PPTS	THE LEARNER 1. Improves lung capacity & breathing.
NOVEMBER	19	Jumping Jacks Practice Pranayama	H	PPTS	THE LEARNER 1, Develops neuromuscular coordination.
DECEMBER	21	----	----	-----	----
JANUARY	21	----	----	-----	----
INTERNAL ASSESSMENT FOR BOARD: 08-01-27 TO 31-01-27					
FEBRUARY	23	----	----	-----	----
MARCH	23	----	----	-----	----

SUBJECT: HPE – S3 (SEWA)

MONTH	W. D	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	PROJECT- 'Swachha Vidyalaya Swachha Bharat'	A	PROJECT MAKING	THE LEARNER – 1. Must keep their surrounding areas and themselves clean.
MAY	12	PROJECT- Common Emergencies and their Management School Gardening Project	B	Videos	THE LEARNER – 1. Identifies different medicinal plants with their scientific names.
JUNE	14	Basic Life Support and Resuscitation	C	Videos	THE LEARNER – 1. Understands the importance of first-aid in dealing with cuts and bruises.
JULY	26	Making First Aid Box	D	Demonstration	THE LEARNER 1. Prepares a first-aid box.
AUGUST	22	Being Safe and Responsible PROJECT - Anti ragging/Anti bullying Committee and Awareness raising	E	PROJECT MAKING	THE LEARNER 1. Understands the importance of being safe and responsible.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26					
SEPTEMBER	25	PROJECT - Care for the Homeless Children	F	PROJECT MAKING	THE LEARNER 1. Understands and appreciates every child right to an optimal standard of living, health care, education and services.
OCTOBER	18	PROJECT - 'EMPATHY'	G	PROJECT MAKING	THE LEARNER 1. Must keep their surrounding areas and themselves clean.
NOVEMBER	19	PROJECT - 'Dignity of Labour'	H	PROJECT MAKING	THE LEARNER 1, Understands and values human rights.
DECEMBER	21	----	----	-----	----
JANUARY	21	----	----	-----	----
INTERNAL ASSESSMENT FOR BOARD: 08-01-27 TO 31-01-27					
FEBRUARY	23	----	----	-----	----
MARCH	23	----	----	-----	----

SUBJECT: GENERAL STUDIES

MONTH	W.D.	COURSE CONTENT	LEARNING OUTCOMES
April	22	Science and Society	<p>The learner –</p> <ul style="list-style-type: none"> • Articulates the principles and processes of scientific inquiry, distinguishes between scientific and non-scientific knowledge and recognizes the importance of evidence in science. • Analyses the development and testing of scientific theories, applies critical thinking and scepticism in scientific inquiry.
May	12	Science and Society	<p>The learner –</p> <ul style="list-style-type: none"> • Utilizes the scientific knowledge and technological skills to serve for the betterment of the country at large.
June	14	Contemporary Problems of Indian Society	<p>The learner –</p> <ul style="list-style-type: none"> • Understands Article- 24 which prevents child labour and prohibition of employment of children in factories. • Realizes the adverse effects on the health progress of doing work in a factory or mine or getting engaged in any other hazardous employment. • Gains awareness and updates himself / herself on the rules and regulations provided by the government for prevention, prohibition, eradication and rehabilitations of children and adolescent workers.
HALF YEARLY EXAMINATION: 24.06.2026			
July	26	Contemporary Problems of Indian Society	<p>The learner –</p> <ul style="list-style-type: none"> • Understands the various causes of malnutrition especially among rural areas, urban slums and children from below poverty level, poor and urban slums. • Understands the causes which are associated with Juvenile crimes – poverty, drug abuse, anti-social peer group and domestic violence.
August	22	Career Pathways	<p>The learner –</p> <ul style="list-style-type: none"> • Enumerates the different career pathways available in Healthcare, Engineering, Technology, Business and Finance, Education, Trades, Creative Arts, Science and Engineering, Public Service and commits his/her interest to choose a career for their future as per their interest.

			<ul style="list-style-type: none"> Analyses the strengths and the weaknesses and equips himself / herself with the training required to achieve the goal. Gains real- world experiences and explores different career paths by interacting with professionals of their desired fields
September	25	Social Responsibility	<p>The learner –</p> <ul style="list-style-type: none"> Understands that it is his/her prime duty to save the environment for future generations to dwell happily. Examines and identifies the different types of pollution and spread the message of reducing its harmful impact. 3. Develops leadership qualities by organizing social events
October	18	Human Rights	<p>The learner –</p> <ul style="list-style-type: none"> Compares and contrasts his / her views on UDHR and Indian Constitutional Rights. Engages his / her thoughts for bringing a positive change in the society.
November	19	Human Rights	<p>The learner –</p> <ul style="list-style-type: none"> Develops cooperative skills, communication and active listening skills while conducting the survey. Develops critical thinking, collaboration and creativity and becomes globally aware future citizen.
December	21	-----	-----
January	21	-----	-----
INTERNAL ASSESSMENT FOR BOARD: 11.01.2027			
February	23	-----	-----
March	23	-----	-----

SUBJECT: ART EDUCATION – VISUAL ARTS

MONTH	W.D	COURSE CONTENT	LEARNING OUTCOMES
April	22	STUDY OF NATURAL AND GEOMETRIC FORMS IN PENCIL WITH LIGHT AND SHADE FROM A FIXED POINT OF VIEW	The learner – <ul style="list-style-type: none"> • Develops skill of using drawing and painting material (surface, tool equipment and techniques etc.) effectively. • Experiments with a range of media and techniques.
May	12	BASIC DRAWING AND COLOURING OF HUMAN FIGURES	The learner – <ul style="list-style-type: none"> • Develops skill of using drawing and painting material (surface, tool equipment and techniques etc.) effectively. • Experiments with a range of media and techniques.
June	14	DRAWING / PAINTING ACTIVITIES FOR WORLD ENVIRONMENT DAY	The learner – <ul style="list-style-type: none"> • Experiments with a range of media and techniques. • Develops skill of using drawing and painting material (surface, tool equipment and techniques etc.) effectively.
July	26	MANDALA ART	The learner – <ul style="list-style-type: none"> • Develops an understanding of painting-composition • Experiments with a range of media and techniques.
August	22	EK BHARAT SHRESTHA BHARAT - DRAWING / PAINTING ACTIVITIES FOR INDEPENDENCE DAY	The learner – <ul style="list-style-type: none"> • Experiments with a range of media and techniques. • Demonstrates understanding of the historical context of the work.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26			
September	25	RECYCLING PLASTIC INTO ARTEFACTS	The learner – <ul style="list-style-type: none"> • Experiments with a range of media and techniques. • Demonstrates understanding of the environmental context of the work

October	18	COVER PAGE DESIGN FOR MAGAZINE	<p>The learner –</p> <ul style="list-style-type: none"> • Experiments with a range of media and techniques. • Creates the forms and the colour schemes in imagination with an ability to express them effectively in drawing and painting.
November	19	RANGOLI MAKING	<p>The learner –</p> <ul style="list-style-type: none"> • Develops an understanding of painting-composition • Experiments with a range of media and techniques.
December	21	----	----
January	21	----	----
INTERNAL ASSESSMENT FOR BOARD: 08-01-27 TO 31-01-27			
February	23	----	----
March	23	----	----

SUBJECT: ART EDUCATION: MUSIC - VOCAL

MONTH	W. D.	COURSE CONTENT	Sl. No.	LEARNING OUTCOMES
April	22	Vocal Riyaz, Theory - <i>Naad, Dhvani, Swar, Shruti, Sangeet, Alankar, Meend, Allap, Taan.</i>	A	The learner- <ul style="list-style-type: none"> demonstrates understanding of basic music terminologies.
May	12	Basic knowledge of Indian/Hindustani classical music.	B	The learner- <ul style="list-style-type: none"> Understands the concepts of Taal and Raag.
June	14	Taal - <i>Teental, Jhaptal.</i>	C	The learner- <ul style="list-style-type: none"> Performs the Taal with precision and accuracy.
July	26	Patriotic song	D	The learner- <ul style="list-style-type: none"> demonstrates understanding of the historical contexts of Patriotic songs. Reads about eminent song writers / composers.
August	22	Contd. - Patriotic song.	E	The learner- <ul style="list-style-type: none"> Performs patriotic songs with precise melody, rhythm and spirit.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26				
September	25	Devotional Song.	F	The learner- <ul style="list-style-type: none"> demonstrates understanding of the contexts of the songs. Reads about eminent song writers / composers in this genre
October	18	Contd. -Devotional Song.	G	The learner- <ul style="list-style-type: none"> demonstrates understanding of the contexts of the songs. Categorizes songs based on the deities

				invoked. <ul style="list-style-type: none"> Performs with precise melody, rhythm and spirit.
November	19	Folk Song/Regional song	H	The learner- <ul style="list-style-type: none"> Demonstrates understanding of the folk language, traditions and mores. Performs with precise melody, rhythm and spirit.
December	21	Contd.- Folk/Regional Song.	I	The learner - <ul style="list-style-type: none"> Performs with precise melody, rhythm and spirit. Is able to appreciate the importance of diversity in Music.
January	21	-----		
INTERNAL ASSESSMENT FOR BOARD – 08.01.2027 TO 31.01.2027				
February	23	-----		
March	23	-----		

SUBJECT: ART EDUCATION: MUSIC – INSTRUMENTAL (TABLA)

MONTH	W.D.	COURSE CONTENT	Sl. No.	LEARNING OUTCOMES
April	22	Introduction to <i>Tabla</i> instruments Hand placement <i>bols</i> .	A	The learner- <ul style="list-style-type: none"> • Describes how music is an integral part of personal and collective expression. • Describes and demonstrates how sound is produced and manipulated. • Describe the various ways in which musical instruments can be categorized
May	12	Hand placement <i>bols</i> . <i>Kaida (16 matras)</i>	B	The learner- <ul style="list-style-type: none"> • Identifies and groups musical instruments into similar families
June	14	<i>Kaida (16 matras)</i> <i>Kaida's tehai</i>	C	The learner – <ul style="list-style-type: none"> • Demonstrates mastery of proper hand positioning, stroke clarity (<i>bols</i>).
July	26	<i>Small Kaida</i> <i>Kaida's Vistars</i>	D	The learner – <ul style="list-style-type: none"> • plays, recites, and improvises within <i>Small Kaida & Kaida's Vistars</i>
August	22	<i>Theka</i> Playing Accompanying Patriotic songs.	E	The learner- <ul style="list-style-type: none"> • Demonstrates understanding of the structural aspects of Hindustani music.
HALF YEARLY EXAMINATION: 17-08-26 TO 21-08-26				
September	25	<i>Tukra in Teental</i> <i>Theka</i> Playing with songs	F	The learner- <ul style="list-style-type: none"> • Performs solo with confidence and accompany other artists
October	18	Congo Patches Bongo Drum Patches	G	The learner- <ul style="list-style-type: none"> • Demonstrates proficiency in hand positioning and movement, including open tones, slap tones, and muted touches.
November	19	Congo Patches Bongo Drum Patches	H	The learner- <ul style="list-style-type: none"> • Demonstrates proficiency in hand positioning and movement, including open tones, slap tones, and muted touches.

December	21	<i>Theka</i> Playing with <i>nagma</i> digital <i>Dadra, Kaharwa, Teental</i> <i>Theka</i>	I	The learner - <ul style="list-style-type: none"> • Demonstrates deeper understanding of Indian classical music heritage and the role of the <i>tabla</i> within it, • Uses the instrument for self-expression and potential applications in music therapy.
January	21	-----		
INTERNAL ASSESSMENT FOR BOARD - 08.01.2027 TO 31.01.2027				
February	23	-----		
March	23	-----		



SUBJECT: ART EDUCATION – DANCE & MOVEMENT

MONTH	W.D.	COURSE CONTENT	SL NO	LEARNING OUTCOMES
April	22	1. EXERCISE OF DIFFERENT PARTS OF THE HUMAN BODY PARTICULARLY ANGA, PRATYANGA, UPANGA. 2. DANCING FROM HEAD TO TOE	A	The learner- <ul style="list-style-type: none"> • Demonstrates understanding of the role of anga, pratyanga, and upanga in movement. • Synchronizes head, torso, hands, and feet in rhythmic patterns
May	12	1. SPEAKING WITH HANDS 2. WHEN HANDS SPEAK IN RABINDRIK STYLE	B	The learner- <ul style="list-style-type: none"> • Explores the communicative power of hastas as a form of expression and symbolic sign language in dance.
June	14	DANCES OF OUR NATION 1. KNOWLEDGE OF EIGHT FORMS OF CLASSICAL DANCE 2. BASIC STEPS OF PARTICULAR DANCE FORMS	C	The learner <ul style="list-style-type: none"> • Performs the eight major dance forms of India, as well as other regional and traditional dance forms.
July	26	DANCE WELLNESS 1. DANCE OF MOTIVATION (UTSAHA BHAVA) 2. DANCE TO EXPRESS THE EIGHT EMOTIONS	D	The learner- <ul style="list-style-type: none"> • Collaborates effectively with peers, contributing ideas and offering support in the process of group dance creation. • Feels confident and comfortable expressing emotions (bhavas) through movement and facial expressions.
HALF YEARLY EXAMINATION (17-08-2026 TO 21-08-2026)				
August	22	DANCE FOR THE NATION ACTIVITY- 1. RENOWNED DANCERS OF INDIA 2. PLANNING AND CHOREOGRAPHY	E	The learner- <ul style="list-style-type: none"> • Gains knowledge about national symbols, traditions, and cultural diversity expressed through dance. • Performs in groups, promoting coordination and a sense of unity.

September	25	<p>INNOVATION INCLUSIVITY AND INSPIRING CHANGE</p> <ol style="list-style-type: none"> 1. DANCE FOR ALL 2. INSPIRING CHANGE 3. DANCE BEYOND GENDER 	F	<p>The learner-</p> <ul style="list-style-type: none"> • Recognizes and challenge stereotypes related to “male” and “female” dance roles. • Demonstrate respect for all dancers’ identities and expressions. • The learner will be able to Connect body movements with the present moment and surrounding
October	18	<p>HARMONY IN MOTION</p> <ol style="list-style-type: none"> 1. OUR TRADITIONAL DANCES 2. MAKING OF DANCE JEWELLERY AND PROPS 	G	<p>The learner-</p> <ul style="list-style-type: none"> • Makes different types jewellery and props of different dance forms. • Uses the props and jewellery in dance performance or storytelling.
November	19	<p>PRESENTATION OF DANCE AND CHOREOGRAPHY – ANNUAL FUNCTION</p>	H	<p>The learner-</p> <ul style="list-style-type: none"> • Participates in all stages of a dance production, including: <ul style="list-style-type: none"> ○ Planning and pre-production ○ Choreography and rehearsals
December	21	<p>DANCE AND CHOREOGRAPHY</p>	I	<p>The learner-</p> <ul style="list-style-type: none"> • Participates in all stages of a dance production, including Planning and pre-production, Choreography and rehearsals
January	21	-----		
INTERNAL ASSESSMENT FOR BOARD (08-01-2027 TO 31-01-2027)				
February	23	-----		
March	23	-----		

SUBJECT: ART EDUCATION: THEATRE

MONTH	W.D	COURSE CONTENT	Sl. No.	LEARNING OUTCOMES
April	22	Understanding Emotions – Representation in Theatre	A	The learner- <ul style="list-style-type: none"> Identifies and expresses actions, expressions, and dialogues in varying intensities of emotions. Can build stories independently, connecting the various emotional levels and narrates it to the class effectively.
May	12	Rabindranath Tagore & Drama	B	The learner- <ul style="list-style-type: none"> Analyses and interprets dramatic literature, scripts and theatrical productions. Performs / enacts plays of Tagore.
June	14	Story of India’s Storytelling Traditions – <ul style="list-style-type: none"> Harikathe Kaavad Katha 	C	The learner- <ul style="list-style-type: none"> Understands storytelling as a performing art that integrates music, dance and art. Identifies storytellers from one’s experiences & describes their styles of performances.
July	26	Story of India’s Storytelling Traditions – <ul style="list-style-type: none"> Phad Paintings, Rajasthan Thangka-Ladakh, Sikkim, Jammu, Kashmir & Arunachal Pradesh 	D	The learner- <ul style="list-style-type: none"> Understands storytelling as a performing art that integrates music, dance and art. Identifies storytellers from one’s experiences & describes their styles of performances.
August	22	One stage One Script – The Patriotic Zeal	E	The learner- <ul style="list-style-type: none"> Demonstrates understanding of voice, body and movement to convey emotion and character. Performs on lives of great Indians.
HALF YEARLY EXAMINATION: 17.08.2026 TO 21.08.2026				
September	25	Say More Without Speech - Group Mime	F	The learner- <ul style="list-style-type: none"> Can put together group performances integrating music and humour. Understands the uniqueness of mime and its

				difference and similarities with drama.
October	18	Puppetry – Stories of Shadows and Strings – Hand Puppetry (Fingers, Socks & Gloves)	G	The learner- <ul style="list-style-type: none"> Manipulates fingers through various techniques (hand movements) to tell stories / convey messages to audience.
November	19	Puppetry – Stories of Shadows and Strings – Stick & Shadow Puppetry	H	The learner- <ul style="list-style-type: none"> Creates stories through Shadow puppetry Constructs narratives, builds plots, and develops characters.
December	21	Script Writing	I	The learner- <ul style="list-style-type: none"> Demonstrates understanding of plot and characterization. Categorizes stories based on the structure and implements it in script writing.
January	21			-----
INTERNAL ASSESSMENT FOR BOARD – 08.01.2027 TO 31.01.2027				
February	23			-----
March	23			-----