

**CLASS XII -
MATHEMATICS**

MONTH	UNITS	CHAPTER/TOPIC	ACTIVITY
APRIL	RELATIONS AND FUNCTIONS	1 RELATIONS AND FUNCTIONS	To verify that Relation R on the set L of all the lines which are parallel, is an equivalence relation.
		2. INVERSE TRIGONOMETRIC FUNCTIONS	To draw the graph of inverse of Sin x and demonstrate the concept of mirror reflection about the line $y = x$.
	ALGEBRA	3. MATRICES	
MAY	ALGEBRA	4. DETERMINANTS	
JUNE		SUMMER - VACATIONS	
JULY	CALCULUS	5. CONTINUITY AND DIFFERENTIABILITY	To find the limit of a function at any given point and to check the continuity of the function at that point.
			To represent derivative at a point graphically.
		6. APPLICATION OF DERIVATIVES	To find the absolute maximum and absolute minimum values of a function graphically and verify it analytically.
			To find the time when the area of rectangle of given dimensions becomes maximum .
AUG.	CALCULUS	7. INTEGRAL	
		8. APPLICATIONS OF INTEGRALS	
SEPT.		REVISION AND EXAMS	
OCT.	CALCULUS	9. DIFFERENTIAL EQUATIONS	
	VECTORS AND THREE D GEOMETRY	10.VECTORS	To find area of any triangle with the given vertices and verify it by determinant and vector method.
			To verify that angle in a semi-circle is a right angle (using vector method)
		11. THREE D GEOMETRY	To locate the points for the given coordinates in space and measure the distance between two points in space.
NOV.	LINEAR PROGRAMMING	12. LINEAR PROGRAMMING PROBLEMS	
	PROBABILITY	13. PROBABILITY	To explain the computation of conditional probability of a given event A ,when event B has already occurred.

DEC.		REVISION AND PRE-BOARD EXAMS	
JAN.		REVISION	
FEB.		ANNUAL EXAMS	

COURSE STRUCTURE

CLASS – XII

(2025-26)

One Paper

Max. Marks: 80

No.	Units	Marks
I.	Relations and Functions	08
II.	Algebra	10
III.	Calculus	35
IV.	Vectors and Three - Dimensional Geometry	14
V.	Linear Programming	05
VI.	Probability	08
	Total	80
	Internal Assessment	20

MATHEMATICS (Code No. – 041)

QUESTION PAPER DESIGN

CLASS – XII (2025-26)

Time: 3 hours

Max. Marks: 80

S. No.	Typology of Questions	Total Marks	% Weightage
1	<p>Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.</p> <p>Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas</p>	44	55

2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	20	25
3	Analysing : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions	16	20
	Total	80	100

1. No chapter wise weightage. Care to be taken to cover all the chapters
2. Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.

Choice(s):

There will be no overall choice in the question paper. However, 33% internal choices will be given in all the sections

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 Marks
Mathematics Activities	10 Marks

Class XII Annual Planning of Syllabus for Session 2025-26

Subject-Biology (044)

Month	Contents	Activities/Practicals/Teaching Aids
APRIL	Chap.-1 Sexual Reproduction in flowering plants	Study of floral parts, Slides, germination of pollen grains on slide
	Chap.-2 Reproduction in Human	PPTs, Interaction and Preparation of Notes.
May-June	Chap.-3 Reproductive health	Use of Green Board and preparation of notes and interactive mode
	Chap.-4 Principles of heredity and variations	Plant parts especially pods of pea and plants. Study of pedigree analysis.
July	Chap.-5 Molecular basis of inheritance	Structure of D.N.A. and R.N.A. Use of White Board .Preparation of PPTs.
August	Chap.-6. Evolution	Use of White Board and preparation of Notes .
	Chap.-7. Human health and disease	Use of White Board and preparation of Notes .local examples of Microbes .
September	Chap.-8. Microbes in Human welfare	Use of White Board ,Preparation of Notes
	Chap.-9. Biotechnology principal and process	use of White Board and preparation of Notes . Preparation of PPTs
October	Chap.-10. Applications of Biotechnology	Use of White Board and preparation of Notes . Preparation of PPTs.
	Chap.-11 Organisms and population	study of plant population by quadrat method
	Chap. 12 . Ecosystem	Study of Population Frequency and Density by Quadrat Method
NOV.	Chap.-13. Biodiversity and conservation	Use of White Board ,Preparation of Notes ,interactive mode

A. List of Experiments

1. Prepare a temporary mount to observe pollen germination.
2. Study the plant population density by quadrat method.
3. Study the plant population frequency by quadrat method.
4. Prepare a temporary mount of onion root tip to study mitosis.
5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, banana etc.

B. Study and observe the following (Spotting):

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
8. Controlled pollination - emasculation, tagging and bagging.
9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
10. Models specimens showing symbiotic association in lichens, root nodules of leguminous plants, and parasitic mode of nutrition shown by Cuscuta on host.
11. Flash cards / models showing examples of homologous and analogous organs.

Question Paper Design (Theory) 2023-24
Class XII
Biology (044)

Competencies	
Demonstrate Knowledge and Understanding	50%
Application of Knowledge / Concepts	30%
Analyze, Evaluate and Create	20%

Note:

- Typology of questions: VSA including MCQs, Assertion – Reasoning type questions; SA; LA-I; LA-II; Source-based/ Case-based/ Passage-based/ Integrated assessment questions.
- An internal choice of approximately 33% would be provided.

Suggestive verbs for various competencies

- **Demonstrate, Knowledge and Understanding**
State, name, list, identify, define, suggest, describe, outline, summarize, etc.
- **Application of Knowledge/Concepts**
Calculate, illustrate, show, adapt, explain, distinguish, etc.
- **Analyze, Evaluate and Create**
Interpret, analyse, compare, contrast, examine, evaluate, discuss, construct, etc.

PRACTICALS

Time allowed: 3 Hours

Max. Marks: 30

Evaluation Scheme		Marks
One Major Experiment	5	5
One Minor Experiment	2 & 3	4
Slide Preparation	1 & 4	5
Spotting		7
Practical Record + Viva Voce	(Credit to the student's work over the academic session may be given)	4
Investigatory Project and its Project Record + Viva Voce		5
Total		30

BIOLOGY (Code No. 044) COURSE STRUCTURE CLASS XI (2023 -24) (THEORY)

Time: 03 Hours

Max. Marks: 70

Unit	Title	Marks
I	Diversity of Living Organisms	15
II	Structural Organization in Plants and Animals	10
III	Cell: Structure and Function	15
IV	Plant Physiology	12
V	Human Physiology	18
	Total	70

CLASS- XII (CHEMISTRY [043])
MONTHLY SYLLABUS PLANNER (2025-26)

MONTH	TOPIC	ACTIVITIES /PROJECT WORK/PRACTICALS
APRIL	CHAPTER -1. [SOLUTIONS]	
	key concepts: Concentration terms , Henry's law, Raoult's law ,ideal and non ideal solutions , numerical on colligative properties of solution , osmosis, reverse osmosis and Van't hoff factor	1. Demonstration on colligative properties of solution 2. To prepare Crystals of mohr's salt and potash alum 3) preperation of standard solution od diferent concntrations.
MAY	CHAPTER -2. [ELECTROCHEMISTRY]	
	KEY CONCEPTS: Electrochemical cell, Nernest equation, electrolytic conductivity and molar conductivity,Kohlrausch 's law ,electrolysis, cell and bettery FIRST PERIODIC TEST	1).Study of presence of oxalate ions in gavava fruit at different stage of ripening 2) . Preperation of galvanic cell 3). VOLUMETRIC ANALYSIS : KMnO4 VS Mohr's salt and KMnO4 VS Oxalic acid
JUNE	SUMMER BREAK	
JULY	CHAPTER -3 [CHEMICAL KINETICS] KEY CONCEPTS: Rate,order and molecularity of reaction integrated rate equation for zero and ist order reaction, activation energy and arrhenius equation 2nd periodic test	1. Study of quantity of casein present in different sample of milk
		2. study of rate of reaction of different type of reaction.
AUGUST	CHAPTER-4. [D & F BLOCK ELEMENTS] KEY CONECPTS: General trends in properties of dblock elements,preperation and properties of KMno4 and K2Cr2O7, electronic configuration .oxidation state ,chemical reactivity and uses of lanthanoid and actanoids ,lanthnoid and actanoids contraction and their consequences CHAPTER-5.[CO-ORDINATION COMPOUNDS]	1).Demonstration on salt analysis for detection of Mn2+,Zn2+,CO2+,Ni2+ ions etc 2). Make chart on different priodic properties of d and f block elements 2).Demonstrate Isomerism , magnetic behaviour ,colour of Coordination complexes
	KEY CONCEPTS: IUPAC Nomenclature of coordination compounds, Werner's theory ,VBT ,CFT Sterioisomerism,uses of coordination compounds	

SEPTEMBER	REVISION FOR H.Y. EXAM & HALY YEARLY EXAM	SYLLABUS : [CHAPTER- 1 TO CHAPTER-5]
	REVISION FOR HALF HEARLY EXAM	
	REVISION FOR HALF HEARLY EXAM	
OCTOBER	<p>CHAPTER-6 [HALOALKANE AND HALOARENES]</p> <p>KEY CONCEPTS: Nomenclature, physical and chemical properties of haloalkanes, SN Reaction mechanism, Nomenclature, physical and chemical properties of haloarenes and Haloalkanes their uses</p> <p>CHAPTER-7[ALCOHOL, PHENOL & ETHERS]</p> <p>CHAPTER- 8 [ALDEHYDE, KETONES, CARBOXYLIC ACID]</p> <p>KEY CONCEPTS: Nomenclature, physical and chemical properties, uses and distinction test of above all organic compounds.</p>	<p>1) Detection of functional groups in given organic salts</p> <p>2) Make summary chart on preparation method of haloarenes and haloalkanes</p> <p>1) Demonstration on salt analysis for detection of cation and anion present in given salt.</p> <p>2). Preparation of summary chart of distinction test of organic compounds</p>
NOVEMBER	<p>CHAPTER-9. [AMINES]</p> <p>KEY CONCEPTS: Nomenclature, physical and chemical properties and distinction test of Amines.</p> <p>CHAPTER-10.[BIOMOLECULES]</p> <p>KEY CONCEPTS : Carbohydrates, amino acids, structures of protein, vitamins, DNA & RNA</p> <p>3RD PERIODIC TEST</p>	<p>1. Make short summary notes on all name reaction</p> <p>2.. Testing of carbohydrates and proteins</p>
DECEMBER	REVISION AND REMEDIAL CLASSES	
	REVISION AND PREBOARD EXAMS	FULL SYLLABUS
JAN, FEB	FINAL PRACTICAL AND FINAL EXAM	

Class XII - INFORMATION TECHNOLOGY – 802			
SESSION: 2025-26			
Month	Topic	Teaching Aids	Activities
April	PART-B		
	Unit-1 Database Concept-RDBMS	Chalk , Green Board	MY SQL Command, Text Book
May	Unit -1 Database Concept-RDBMS	Chalk , Green Board	MY SQL Command, Text Book
July	Unit-2 Operating Web Based Application	Projector, Computer	Hand on Learning
August	Unit-3 Fundamental of Java Programming	Projector, Computer	Experiments, Projects
September	Revision & Half Yearly		
October	Unit-3 Fundamental of Java Programming	Projector, Computer	Experiments, Projects
	Unit -4 Work Integrated Learning IT-DMA	Projector, Computer	Experiments, Projects
	PART-A		
November	Unit -2 Self Management Skills	Projector, Computer	Oral Test, Pen Paper Test
	Unit-3 Basic ICT Skills		
December	Unit-4 Entrepreneurial Skills	Chalk , Green Board	Oral Test, Pen Paper Test
	Revision & Pre-Board Examination		

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Self-Management Skills- IV	2	2	4
2	ICT Skills- IV	2	1	3
3	Entrepreneurial Skills- IV	2	2	4
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS. TYPE QUES.- II	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Database Concepts	10	2	1	1	14
2	Operating Web Based Applications	9	0	0	1	10
3	Fundamentals of Java programming	12	2	1	3	18
4	Work Integrated Learning IT	1	1	1	0	3
TOTAL QUESTIONS		32	5	3	4	45
NO. OF QUESTIONS TO BE ANSWERED		26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1 x 26 = 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

Subject- Political Science**Class- XII**

MONTH/CHAPTERS	ACTIVITIES/ Co-curricular Activities
ARRIL (Part A: Contemporary World Politics) Chapter 1- The End of Bipolarity Chapter 2- Contemporary Centres of Power Chapter 3- Contemporary South Asia	Map Work. Make a timeline chart of disintegration of the Soviet Union. Draw the logo of flag of European Union and ASEAN Map Work
MAY Chapter 4- United Nations and its Organizations Chapter 5- Security in Contemporary World Unit Test -1	Draw the United Nations' logo and explain the message it conveys. Map Work
JUNE SUMMER VACATION	PROJECT WORK ON TOPIC OF CBSE
JULY Chapter 6- Environment and natural resources Chapter 7- Globalisation Unit Test -II (Part B: Politics in India Since Independence) Chapter 1- Challenges of Nation- Building	Make poster on - Effects of global warming, Save environment. Make a list of products of multinational companies (MNCs) that are used by you and your family.
AUGUST Chapter 2- Era of One-Party Dominance Chapter 3- Politics of Planned Development	Group Discussion Make a report on success achieved by Green Revolution in India.
SEPTEMBER- Revision Work/ Half Yearly Exam Chapter 4- India's External Relations	Half Syllabus Make a war timeline chart of India and Pakistan.
OCTOBER- Chapter-5 Challenges to Restoration of the Congress System Chapter-6 The Crisis of Democratic Order	Discussion of Cartoon Questions
NOVEMBER- Chapter 7- Regional Aspirations Chapter-8 Recent Developments in Indian Politics	Map Work Debate & Group Discussion
DECEMBER & JANUARY Revision Work & PRE-BOARD	Full Syllabus

FEBRUARY/MARCH Revision and Discussion of Sample Paper Board Exams	Full Syllabus
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XII Music

Month	Topices	Teaching Aids	Activities
April	Alankar, Life Sketch of Bade Gulam Ali Khan , Varna , Description of Raag Bhairav, Pt. Krishan Rav Shankar	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	prepare file of Raag Bhairav Write any 10 Alankar in file
May	Taal Rupak with hand beats Theory:- Gram, Gamak, Alankar Work of Pt. Bhatkhande	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	prepare file of Taal Rupak and Ek Taal
June	Summer Break		
July	Raag , Taal Tilwara with hand beats Theory:- Description Taal ,Laya and its types, Time Theory of Raagas	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	prepare file of Taal Tilwara
August	Dhamar With hand beats ekgun & Dugun Theory : sangeet Ratnakar, various parts and Tuning of taanpura	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	prepare file of Taal Dhamar and Raag Bageshree
September	Revision & Exams		
October	practical: Raag Malkauns With aarh avroh & pakar Theory : Classification of raaga vergikaran anicent medieval and modren Sangeet parizat, life sketch of ustad Abdul Karim Khan	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	Prepare file of Raag Malkauns & Singing Practice
November	Practical : Raag Shudh Sarang,Jhup Taal dugun & chaugun With hand beats Theory: Meend, Khatka, murki, kan, Murchanna, Gram, Gamak life sketch of ustad Faiyaz Khan Recognize the raag by its swara	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	Prepare file of Raag Shudh Sarang and Jhup Taal
December	Revision & Exams		
January	Practical practice of all raagas and revision	Chalk, Duster, Board, Animared video Harmonium,Tabla and Taanpura	Prepare Practical file And Project File etc. for Final Examination.

CLASS-XII(ENGLISH)2025-26

MONTH	TOPIC	ACTIVITY
APRIL	FLAMINGO: L-1 THE LAST LESSON L-2 LOST SPRING P-1 MY MOTHER AT SIXTY SIX VISTAS: L-1 THE THIRD LEVEL L-2 THE TIGER KING WRITING: NOTICES	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *PREPARING CLASS BULLETIN BOARD *OBSERVATION OF PARADOXES IN THE SOCIETY *DISCUSSION OF FORMAT,VALUE POINTS
MAY	FLAMINGO: L-3 DEEP WATER P-2 KEEPING QUIET VISTAS: L-3 JOURNEY TO THE END OF THE EARTH WRITING: ARTICLES AND REPORTS	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *GATHERING INFORMATION ON WATER SPORTS *MEDITATION SESSION AND SHARING EXPERIENCE *DOCUMENTARY (CLIMATE CHANGE) *NEWSPAPER CUTTINGS ON ARTICLES AND REPORTS *DISCUSSION OF FORMAT,VALUE POINTS
JULY	FLAMINGO: L-4 THE RATTRAP VISTAS: L-4 THE ENEMY WRITING: INVITATIONS AND REPLIES	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *PRESS CONFERENCE *DISPLAYING INVITATION CARDS *DISCUSSION OF FORMAT,VALUE POINTS
AUGUST	FLAMINGO: L-5 INDIGO P-3 A THING OF BEAUTY WRITING: LETTER WRITING ALS ACTIVITIES REVISION FOR HALF-YEARLY EXAMS EXAM	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *CONTRIBUTIONS MADE BY THE MASSES TO THE FREEDOM MOVEMENT *COMPARING THE WORKS OF KEATS AND WORDSWORTH *DISCUSSION OF FORMAT,VALUE POINTS
SEPTEMBER	FLAMINGO: P-4 A ROAD SIDE STAND VISTAS: L-5 ON THE FACE OF IT	*SILENT READING,DISCUSSION AND EXPLANATION *BRAIN STORMING, QUIZ * PREPARING MIND MAP *PICTURE COLLAGE DEPICTING THE PLIGHT OF HAVES NOT
	FLAMINGO:	*SILENT READING,DISCUSSION AND EXPLANATION

OCTOBER	L-6 POETS AND PANCAKES	*BRAIN STORMING, QUIZ
	L-7 THE INTERVIEW	* PREPARING MIND MAP
	P-5 AUNT JENNIFER'S TIGERS	*ROLE PLAY
	PROJECT	*CONDUCTING AN INTERVIEW

NOV.	FLAMINGO:	*SILENT READING,DISCUSSION AND EXPLANATION
	L-8 GOING PLACES	*BRAIN STORMING, QUIZ
	VISTAS:	* PREPARING MIND MAP
	L-6 MEMORIES OF CHILDHOOD	*DEBATE ON "DREAMS VS REALITY"
	(i)THE CUTTING OF MY LONG HAIR	*PRESENTATIONBYSTUDENTS
	(II)WE TOO ARE HUMAN BEINGS	
DEC.	REVISION AND PRE-BOARDEXAMS	*QUIZ, ORAL TEST, PEN PAPER TEST
JAN.FEB.	REVISION AND FINAL EXAMS	*QUIZ, ORAL TEST, PEN PAPER TEST

NOTE : Keeping in view the SDG_Sustainable Development Goals, all the lessons and poetry based activities will be undertaken.

**ENGLISH CORE
QUESTION PAPER DESIGN
CLASS- XII (2025-26)**

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	22
Creative Writing Skills	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriate style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	18
Literature Text Book and Supplementary Reading Text	Recalling, reasoning, critical thinking, appreciating literary convention, inference, analysis, creativity with fluency.	40
	TOTAL	80
Internal Assessment	Assessment of Listening and Speaking Skills	10
	<ul style="list-style-type: none"> Listening Speaking 	5+5
	<ul style="list-style-type: none"> Project Work 	10
	GRAND TOTAL	100

Question Paper Design
English CORE XI (Code No. 301)
2023-24

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	26
Grammar and Creative Writing Skills	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	23
Literature Text Book and Supplementary ReadingText	Recalling, reasoning, appreciating literary convention, inference, analysis, creativity withfluency, Critical Thinking.	31
	TOTAL	80
Internal Assessment	Assessment of Listening and Speaking Skills	10
	<ul style="list-style-type: none"> • Listening • Speaking 	5+5
	<ul style="list-style-type: none"> • Project Work 	10
	GRAND TOTAL	100

CLASS –XII Physical education (2025-26)

MONTH	TOPIC	ACTIVITY
APRIL	Unit-1 MANAGEMENT OF SPORTING EVENTS	To collect a data about intramural activity for planning and management * TRUECALLER INFORMATION ABOUT THE VARIOUS INTERNATIONAL SPORTS WOMEN PERSONALITY
	Unit-2 children and women in sports	
MAY	UNIT-3 YOGA AS PREVENTIVE	MAKE A CHART OF DIFFERENT YOGA ASANAS POSTER FOR DIFFERENT LIFESTYLE DISEASE
	Practical:-PHYSICAL FITNESS TEST SAI KHELO INDIA TEST BROKPORT PHYSICAL FITNESS TEST PROFICIENCY IN GAMES AND SPORTS (ANY ONE SPORTS)	
	Test and Revision	
JUNE	SUMMER BREAK	
JULY	UNIT -4 PHYSICAL EDUCATION AND SPORTS FOR CWSN UNIT-5 SPORTS AND NUTRITION	PLAN ACTIVITY FOR PROMOTION OF CWSN IN VARIOUS SPORTS ACTIVITY MAKE A CHART OF DIFFERENT COMPONENTS OF DIET
AUGUST	UNIT-6 TEST AND MEASUREMENT IN SPORTS	TO CONDUCT A PHYSICAL FITNESS TEST AND COLLECT A DATA AND EXPLAIN DATA PROCEDURE IN PRACTICAL WAY
	UNIT-7 PHYSIOLOGY AND INJURIES IN SPORTS	

	UNIT-8 BIOMECHANICS AND SPORTS	
SEPTEMBER	HALF YEARLY EXAMS	
	Practical - YOGA PRACTICES FOR PREVENTIVE LIFESTYLE DISEASE	
OCTOBER	UNIT - 9. PSYCHOLOGY AND SPORTS	
NOVEMBER	UNIT-10 TRAINING IN SPORTS	MAKE A CHART OF VARIOUS TRAINING METHODS FOR DEVELOPING DIFFERENT COMPONENTS OF PHYSICAL FITNESS
DECEMBER	REVISION AND PREBOARD EXAMS	

CLASS XII (PHYSICS) 2025-26

MONTH FOR COMPLETION	TOPIC	Practicals
MARCH-APRIL	Electrostatics	1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current.
		2. To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material.
	Current Electricity :	3. To verify the laws of combination (series) of resistances using a metre bridge.
MAY	Magnetic Effect of Current and Magnetism	practicals
		5. To compare the EMF of two given primary cells using potentiometer.
JULY	Electromagnetic Induction and Alternating Current	6. To determine the internal resistance
A		7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
SEPTEMBER	Electromagnetic Waves	8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.9. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.
SEPTEMBER	Optics	1. To find the value of v for different
		3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
	REVISION FOR MID TERMS	
OCTOBER	Dual Nature of Radiation and Matter	4. To find the focal length of a concave lens, using a convex lens.
OCTOBER	Atoms and Nuclei	5. To determine angle of minimum
OCTOBER		6. To determine refractive index of a glass slab using a travelling microscope.

NOVEMBER	Electronic Devices	7. To find refractive index of a liquid by using convex lens and plane mirror.
		8. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias. 9. To draw the characteristic curve of a zener diode and to determine its reverse break down voltage.
DECEMBER	REVISION FOR PRE BOARD	

CLASS –XII ECONOMICS (2025-26)

MONTH	TOPIC	OBJECTIVE and ACTIVITY
APRIL	Part-A Introductory Macroeconomics 1. National Income and Related Aggregates 2. Money Revision and Test	To study the different methods to calculate National Income and supply of Money . Think- pair and share activity will be conducted.
MAY	* Banking * Banking 3. Determination of Income and Employment (continue.)3. Determination of Income and Employment (continue.) Test and Revision	To study the banking system and to Determine the level of income output and employment in the economy. Role playing activity will be conducted.
JUNE	SUMMER BREAK	
JULY	3. Determination of income and Employment. Determination of income and Employment	To study about the components of government Budget. Flip role activity will be conducted.
AUGUST	4. Government budget 5. Balance of Payment and Foreign Exchange Rate Part- B Indian Economic Development	To study about the Balance of Payment and Foreign Exchange rate and also the development experience of Indian economy. Role playing and group activity will be conducted.

	6. Development Experience (1947-90) and Economic reforms since 1991(conti.)	
SEPTEMBER	HALF YEARLY EXAMS	
	Unit -6 (Contiued)	
OCTOBER	7. Current Challenges facing Indian Economy	
NOVEMBER	8. Development experience of India- A comparisons with neighbours	
DECEMBER	REVISION AND PREBOARD EXAMS	

MONTH	TOPIC	Learning Outcomes
APRIL	Ch-1AccountingforPartnership Firm – Fundamental Ch-2 Change in Profit Sharing Ratio (Introduction)	Partnership:features,PartnershipDeed.Provisionsof the Indian Partnership Act 1932in the absenceofpartnershipdeed. • Fixedv/sfluctuatingcapitalaccounts.Preparationof Profit and Loss Appropriation Account- division ofprofit among partners, guarantee of profits, Past Adjustments. • How to calculate new ratio at the time of change in PSR.
MAY	Ch-2 ChangeinProfitSharing Ratio	sacrificingratio,gainingratio,accountingfor revaluationofassetsandreassessmentofliabilitiesand treatment of reserves and accumulated profits. Preparationofrevaluationaccountandbalancesheet. Goodwill:nature,factorsaffectingandmethodsof valuation - average profit, superprofit and capitalization.
MAY (Con.)	Ch-3 Admission of a Partner	Effect of admissionof a partner on change in theprofitsharingratio,treatmentof goodwill,treatmentfor revaluation of assets and reassessment of liabilities, treatment of reserves and accumulated profits.
JULY(Con.)	Ch-3 Admission of a Partner	Adjustment in capital Account,Hidden Goodwill
JULY (cont.)	Ch-4Retirement ofa Partner	Effect of retirement / death of a partner on change in profitsharingratio,treatmentof goodwill,treatmentfor revaluation of assets and
	Ch-5 Dissolution of a partnership Firm	Meaning of dissolution of partnership and partnership firm, types of dissolution of a firm.

AUG.		Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c
	Ch-6 Introduction of the concept of Shares & Debentures-	Share and share capital: nature and types. • Accounting for share capital: issue and allotment of equity
SEP.	REVISION AND HALF YEARLY EXAM	
	Ch-6&7 Company Account: Accounting for Share Capital (Issue of Shares & Debentures)	<ul style="list-style-type: none"> • Accounting treatment of forfeiture and re-issue of shares. • Disclosure of share capital in the Balance Sheet of a company Debentures: Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security concept, interest on debentures. Writing off discount/loss on issue of debentures.
NOV-DEC	Ch-1 Financial Statement of a Company (AS Per Schedule III)	Financial Statement Analysis: Objectives, importance and limitations. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and subheadings (as per Schedule III to the Companies Act, 2013)
	Ch-2 Financial Statement Analysis	Comparative Statement of Profit & Loss & Balance Sheet Common size statement of Profit & Loss and Balance sheets Accounting Ratios: Meaning, Objectives, classification and computation. • Liquidity Ratios:

Ch-3 Comparative Statements	<p>Current ratio and Quick ratio. • Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and interest coverage ratio. • Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio and Working Capital Turnover Ratio. Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment.</p>
Ch-4 Common Size Statements	
Ch-5 Ratio Analysis	<p>Meaning, objectives and preparation (as per AS 3 (Revised)) (Indirect Method only)</p> <p>Note:</p> <p>(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.</p> <p>(ii) Bank overdraft and cash credit to be treated as short term borrowings.</p> <p>Current investments to be taken as Marketable securities unless otherwise specified.</p>
Ch-6 Cash Flow Statement	

Business Studies)2025-26

Month	Topic	Activity	Project work
March-April	1. Nature & Significance of Management 2. Principles of Management	To study the nature of management, its principles & Environment (Revision & Test)	
May	3. Business Environment 4. Planning 5. Organising	To study the Meaning & Process of Planning and Organising	Project work on topic principles of management/ Business environment
July	6. Staffing	To study the Meaning & Process of Staffing and elements of Directing	
	7. Directing		
August	8. Controlling	To study the concept & Role of Controlling	
Sept.	Half Yearly Exam		
Oct.	9. Financial Management	To study the role of Financial Management & Capital Market & Money	Project work on topic Stock exchange/Marketing
	10. Financial Market		
Nov.	10. Financial Market 11. Marketing	To study the various activities included in Marketing	Project work on topic Marketing
Dec.	12. Consumer Protection	To Aware students about rights and responsibilities of consumer	
Jan. & Feb.	Revision and exams		

D.A.V. CENTENARY PUBLIC SCHOOL, JIND
SYLLABUS PLANING 2025-26
SUBJECT- GEOGRAPHY
CLASS- XII

Months	Chapter	Activities	Marks
April	Ch Ch-1 Human Geography: Nature and Scope (A Fundamental of Human Geography)	<ul style="list-style-type: none"> • Map Skill • Essay Writing/Poem Writing/Slogan on Earth Day • Prepare a comparative table of Population data • Find a list of top 10 countries Human Development Index published by UNDP 	3
	Ch-2 The World Population: Distribution, Density and Growth Ch -3 Human Development (A Fundamental of Human Geography)		8
May	Ch-1 Population Distribution, Density, Growth and Composition (India People and Economy)	Compare and contrast between rural and urban settlement	5
	Ch-2 Human Settlement (India: People and Economy) Unit Test-1		3
June	Summer Vacation	Project Work, Map Work	
	Book - (India: People and Economy)		

July	Ch-3 Land Resources and Agriculture Ch-4 Water Resources Ch-5 Minerals and Energy Resources Ch- 6 Planning and Sustainable Development in Indian Context	Map Skill Prepare a chart on different programme	10
August	Ch-7 Transport and Communications (India: People and Economy) Ch-8 International Trade (India: People and Economy)	Map Skill	7
September	Revision and Half Yearly Exam		
October	Book- (A Fundamental of Human Geography) Ch-4 Primary Activities Ch-5 Secondary Activities Ch-6 Tertiary and Quaternary Activities Ch-7 Transport and Communications Ch-8 International Trade	Map Skill Make a poster on Secondary activities Map Skill	19
November	Ch-9 Geographical Perspective on Selected Issues and Problems (A Fundamental of Human Geography) Revision work	Prepare a report on your surrounding area about pollution factors	5

December	Pre- Board Exam	Full Syllabus	
January	Sample Papers Discuss and Revision work	Questions from Sample paper	
Feb	Board Exam	Full Syllabus	

Practical Work in Geography

Unit	Contents	Marks
1	Data – Its Sources and Compilation	First 3 unit- 18 marks
2	Data Processing	-
3	Graphical Representation of Data	-
4	Spatial Information Technology	7
	Practical Record Book and Viva	5
	Total	25 theory + 5

Map Work

Chapter No.	Chapter	Map items
Fundamental of Human Geography 1.	Human Geography	NIL
2	The World Population Density, Distribution and Growth	NIL
3	Human Development	NIL
		1. Area of subsistence gathering (Fig-4.2) 2. Major areas of nomadic herding of the world (4.4)

4	Primary Activities	<p>3. Major areas of commercial livestock rearing (4.6)</p> <p>4. Major areas of extensive commercial grain farming (4.12)</p> <p>5. Major areas of mixed farming of the world (4.14)</p>
5	Secondary Activities	NIL
6	Tertiary and Quaternary Activities	NIL
7	Transport, Communication and Trade	<p>1. Terminal stations of Transcontinental Railways- Trans-Siberian, Trans Canadian, Trans-Australian Railways</p> <p>2. Major Sea Ports</p> <ul style="list-style-type: none"> • Europe: North cape, London, Hamburg • North America: Vancouver, San Francisco, New Orleans • South America: Rio De Janeiro, Colon, Valparaiso • Africa: Suez and Cape Town • Asia: Yokohama, Hong Kong, Aden, Karachi, Kolkata • Australia: Perth, Sydney, Melbourne <p>3. Major Airports:</p> <ul style="list-style-type: none"> • Asia: Tokyo, Beijing, Mumbai, Jeddah, Aden • Africa: Johannesburg & Nairobi • Europe: Moscow, London, Paris, Berlin and Rome • North America: Chicago, new Orleans, Mexico city • South America: Buenos Aires, Santiago • Australia: Darwin and Wellington <p>4. Inland Waterways: Suez Canal, Panama Canal, Rhine Waterways and St. Lawrence Seaways</p>
8	International Trade	NIL

India- People and Economy 1	Population Distribution, Density, Growth and Composition	State with highest population Density and State with lowest population Density
2	Human Settlement	NIL
3	Land Resources and Agriculture	Leading producing states of the following crops: (a) Rice (b) Wheat (c) Cotton (d) Jute (e) Sugarcane (f) Tea (g) Cotton
4	Water Resources	NIL
5	Minerals and Energy Resources	Mines: <ul style="list-style-type: none"> • Iron-ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary • Manganese mines: Balaghat, Shimoga • Copper mines: Hazaribagh, Singhbhum, Khetari • Bauxite mines: Katni, Bilaspur and Koraput • Coal mines: Jharia, Bokaro, Raniganj, Neyveli • Oil Refineries: Mathura, Jamnager, Barauni
6	Planning and Sustainable Development in Indian	NIL
7	Transport and Communication	NIL
8	International Trade	Mark and label the major sea ports on an outline map of India. <ul style="list-style-type: none"> • Major Sea Ports:Kandla, Mumbai, Marmagao, Kochi, Mangalore, Tuticorin, Chennai, Vishakhapatnam, Paradwip, Haldia • International Air ports: Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Guwahati, Delhi, Amritsar, Thiruvananthapuram, Hyderabad
9	Geographical Perspective on selected issues and problems	NIL