

CLASS 11
GEOGRAPHY SYLLABUS (2023-24)

1ST TERM: APRIL – SEPTEMBER

Months	Paper – 1 Physical Geography	Paper – 2 India: Physical Environment	Paper – 3 Practical Geography
April + May	1. Geography as a Discipline	1. India: Location	1. Introduction to Maps
July	2. Origin and evolution of the Earth 3. Interior of the Earth 4. Distribution of oceans and continents	2. India: Structure and Physiography	2. Map Scale 3. Latitude, Longitude and Time
August + September	5. Geomorphic Processes 6. Landforms and their evolution	3. India: Drainage system	5. Topographical Maps

2ND TERM: OCTOBER - MARCH

Months	Paper – 1 Physical Geography	Paper – 2 India: Physical Environment	Paper – 3 Practical Geog
October	7. Composition and structure of atmosphere 8. Solar radiation, heat balance, temperature	4 India: Climate	4. Map Projections
November	9. Atmospheric circulation and weather 10. Water in the atmosphere	5. India: Natural Vegetation	7. Introduction to Remote Sensing
December + January	12. Water (Oceans) 13. Movements of ocean water		Incomplete syllabus to be completed.
February 2023	Incomplete syllabus to be completed.	Incomplete syllabus to be completed.	

U.T.1 Syllabus: Physical Geography:

1. Geography as a Discipline
2. Origin and evolution of the Earth
3. Interior of the Earth

GRADE 11 ENGLISH MONTH WISE SYLLABUS 2023-24

WRITING SKILLS	GRAMMAR	PROSE	POETRY
APRIL			
1. PARA WRITING (CODER, TEEL, LPG) 2. COMPREHENSION	TENSES	HORNBILL PORTRAIT OF A LADY SNAPSHOTS SUMMER OF A ...HORSE	HORNBILL A PHOTOGRAPH
MAY			
1. NOTE-MAKING 2. POSTER	REORDERING OF SENTENCES	HORNBILL WE'RE NOT AFRAID TO DIE	HORNBILL THE LABURNUM TOP
JULY			
1. DEBATE 2. SPEECH	IDIOMS / PROVERBS	SNAPSHOTS THE ADDRESS	HORNBILL VOICE OF THE RAIN
AUGUST			
1. CLASSIFIED ADVERTISEMENTS	TRANSFMTN OF SENTENCES	SNAPSHOTS MOTHER'S DAY	HORNBILL CHILDHOOD
SEPTEMBER –(HY EXAM) REVISION + NOTEMAKING RECAP			
OCTOBER – (DUSSEHRA)			
INVITATIONS		HORNBILL SILK ROAD SNAPSHOTS BIRTH	HORNBILL FATHER TO SON
NOVEMBER – (DIWALI)			
1. REVISION FORMAL LETTER & REPLIES (EDITOR, ENQUIRY, ORDER, COMPLAINT) 3. JOB APPLICATION	ASL	HORNBILL THE ADVENTURE	SNAPSHOTS TALE OF MELON CITY
DECEMBER – (CONCERT) REVISION			
JANUARY – REVISION			

CLASS 11th HISTORY SYLLABUS (2023-24)

1ST TERM: JULY - SEPTEMBER

Months	Paper – 1 History	HISTORY PRACTICAL
April + May	Section A: Early Societies 1. Introduction to world history 2. Writing and City Life	1. Allotment of study groups. 2. Discussion of group topics.
July + August	Section B: Empires 3. An empire across three continents 4. Nomadic Empires	3. Finalization of group topics 4. Work begins on draft 1
September	Section C: Changing Traditions 7. The three orders	5. Submission and checking of draft 1 6. Work begins on draft 2

2ND TERM: OCTOBER TO FEBRUARY

Months	Paper – 1 History	HISTORY PRACTICAL
October	8. The three orders 9. Changing cultural traditions	5. Submission of draft 2 6. Finalization of draft 2
November	Section D: Paths to Modernization 10. Displacing Indigenous People	7. Work begins on draft three 8. Finalization of draft 3
December	12. Displacing indigenous people 13. Paths To Modernization	9. Finalization of projects
January	14. Path to modernisation. 15. Map work practice	10. History practical examination (to be conducted internally)
February	16. Map work practice 17. Revision of term two	

U.T.1 Syllabus: Writing and city life

Note: All the above mentioned chapters are subject to change according to the updated syllabus by CBSE.

CLASS 11 POLITICAL SCIENCE SYLLABUS (2023-24)

1ST TERM: APRIL – SEPTEMBER

Months	POLITICAL SCIENCE- THEORY PAPER	POLITICAL SCIENCE PRACTICAL
April May	<ol style="list-style-type: none">1. Constitution How and Why?2. Rights in the Indian Constitution3. Election and Representation4. Political Theory: An Introduction	
July	<ol style="list-style-type: none">5. The Executive6. Freedom7. Equality	<ol style="list-style-type: none">1. Finalization of group topics. Working on Draft 1
August	<ol style="list-style-type: none">8. Legislature9. Social Justice	

2ND TERM: OCTOBER to FEBRUARY

Months	POLITICAL SCIENCE - THEORY PAPER	POLITICAL SCIENCE PRACTICAL
October	<ol style="list-style-type: none">10. Judiciary11. Rights12. Citizenship	<ol style="list-style-type: none">1. Submission and checking of draft 1

November	13. Federalism 14. Nationalism	
December	15. Secularism 16. Local Governments	. Final drafts to be submitted
January and February	17. Constitution as a living document 18. The philosophy of the Constitution	Presentation and submission of files

UT -1 syllabus-

- 1. Constitution Why? And how?**
- 2. Rights in the Indian constitution.**

PHYSICS SYLLABUS 2013-24

CLASS 9

MOTION	UT 1	HALF YEARLY	ANNUAL
FORCE & LAWS OF MOTION	UT2		
GRAVITATION			
WORK & ENERGY	UT 3		
SOUND			

CLASS 10

ELECTRICITY	UT 1	HALF YEARLY	PRE BOARD
MAGNETIC EFFECT OF ELECTRIC CURRENT	UT 2		
LIGHT	UT 3		
HUMAN EYE AND THE COLOURFUL WORLD			

CLASS 11

UNITS & MEASUREMENT	UT1 (TILL Vectors)	HALF YEARLY	ANNUAL
MOTION IN A STRAIGHT LINE			
MOTION IN A PLANE			
FORCE & LAWS OF MOTION			
WORK & ENERGY			
SYSTEM OF PARTICLES & ROTATIONAL MOTION	UT 2		
MECHANICAL PROPERTIES OF SOLIDS			
GRAVITATION	UT 3		
MECHANICAL PROPERTIES OF FLUIDS			
THERMAL PROPERTIES OF MATTER			
THERMODYNAMICS			
OSCILLATIONS & WAVES			

CLASS 12

ELECTRIC CHARGES & FIELD	UT 1	HALF YEARLY	ANNUAL
ELECTRIC POTENTIAL & CAPACITANCE			
CURRENT ELECTRICITY	UT 2		
MOVING CHARGES & MAGNETISM			
MATTER & MAGNETISM			
ELECTROMAGNETIC INDUCTION			
ALTERNATION CURRENT			
E M WAVES			
RAY OPTICS			
WAVE OPTICS			
DUAL NATURE OF LIGHT			
ATOMS			
NUCLEI			
SEMICONDUCTORS			

GRADE 11 ENGLISH MONTH WISE SYLLABUS 2023-24

WRITING SKILLS	GRAMMAR	PROSE	POETRY
APRIL			
1. PARA WRITING (CODER, TEEL, LPG) 2. COMPREHENSION	TENSES	HORNBILL PORTRAIT OF A LADY SNAPSHOTS SUMMER OF A ...HORSE	HORNBILL A PHOTOGRAPH
MAY			
1. NOTE-MAKING 2. POSTER	REORDERING OF SENTENCES	HORNBILL WE'RE NOT AFRAID TO DIE	HORNBILL THE LABURNUM TOP
JULY			
1. DEBATE 2. SPEECH	IDIOMS / PROVERBS	SNAPSHOTS THE ADDRESS	HORNBILL VOICE OF THE RAIN
AUGUST			
1. CLASSIFIED ADVERTISEMENTS	TRANSFMTN OF SENTENCES	SNAPSHOTS MOTHER'S DAY	HORNBILL CHILDHOOD
SEPTEMBER –(HY EXAM) REVISION + NOTEMAKING RECAP			
OCTOBER – (DUSSEHRA)			
INVITATIONS		HORNBILL SILK ROAD SNAPSHOTS BIRTH	HORNBILL FATHER TO SON
NOVEMBER – (DIWALI)			
1. REVISION FORMAL LETTER & REPLIES (EDITOR, ENQUIRY, ORDER, COMPLAINT) 3. JOB APPLICATION	ASL	HORNBILL THE ADVENTURE	SNAPSHOTS TALE OF MELON CITY
DECEMBER – (CONCERT) REVISION			
JANUARY – REVISION			

TERM 1		
S.NO	CHAPTERS	MONTHS
1	The Living World	April
2	Biological Classification	April +May
3	Plant Kingdom	May
4	Animal kingdom	May
5	Breathing and Exchange of Gasses	June& July
6	Body Fluids and Circulation	July
7	Excretory Products and their Elimination	July
8	Locomotion and Movement	July
9	Neural control and Coordination	August
10	Chemical Coordination and Integration	August
TERM 2		
11	Cell: The Unit of Life	October
12	Biomolecules	October
13	Cell Cycle and Division	October
14	Photosynthesis in Higher Plants	November
15	Respiration in Higher Plants	November& December
16	Plant Growth & Development	December
17	Morphology of Flowering Plants	December
18	Anatomy od Flowering Plants	January
19	Structural Organisation in Animals	January

TERM-1

SR.NO	CHAPTERS	MONTH
1	SOME BASIC CONCEPTS OF CHEMISTRY	APRIL
2	STRUCTURE OF ATOM	MAY
3	STRUCTURE OF ATOM (CONTINUED) CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	JULY
4	CHEMICAL BONDING AND MOLECULAR STRUCTURE	AUGUST
5	REDOX REACTION	SEPTEMBER
	TERM -2	
6	CHEMICAL THERMODYNAMICS	OCTOBER
7	EQUILIBRIUM	NOVEMBER
8	ORGANIC CHEMISTRY SOME BASIC PRINCIPLE & TECHNOLOGY	NOVEMBER & DECEMBER
9	HYDROCARBONS	JANUARY
	UT-1 SYLLABUS	
1	SOME BASIC CONCEPTS OF CHEMISTRY STRUCTURE OF ATOM	

ACCOUNTANCY COURSE 2023-24

CLASS XI

MONTH	CHAPTER	TOPICS TO BE COVERED
APRIL/MAY	INTRODUCTION TO ACCOUNTING	Accounting concept, meaning, objectives of accounting, advantages of accounting, limitations of accounting, use of accounting information Basic accounting terms Basic accounting assumptions and concepts Accounting process
JULY	Accounting process	Recording transaction in primary book JOURNAL Recording transactions in secondary book LEDGER Preparation of Trial Balance by Balance method and by method
AUGUST	Accounting process	Recording transactions relating to Bills of Exchange Cash Book (a) Single column (b) Double column (c) Petty cash book Subsidiary Books (i) Purchase book (ii) Sales book (iii) Purchase return book (iv) Sales return book
SEPTEMBER	Accounting process	Bank Reconciliation Statement

		Goods and Service tax
OCTOBER	Accounting process	Depreciation- Reserves and Provisions Errors and their rectification
NOVEMBER	Financial accounting	Accounting Equations Final accounts without adjustments Final accounts with adjustments
DECEMBER	Financial accounting	Final accounts with adjustments
JANUARY	REVISION	WORKSHEET
FEBRUARY	REVISION	WORKSHEET

GRADE 11 ENGLISH MONTH WISE SYLLABUS 2023-24

WRITING SKILLS	GRAMMAR	PROSE	POETRY
APRIL			
1. PARA WRITING (CODER, TEEL, LPG) 2. COMPREHENSION	TENSES	HORNBILL PORTRAIT OF A LADY SNAPSHOTS SUMMER OF A ...HORSE	HORNBILL A PHOTOGRAPH
MAY			
1. NOTE-MAKING 2. POSTER	REORDERING OF SENTENCES	HORNBILL WE'RE NOT AFRAID TO DIE	HORNBILL THE LABURNUM TOP
JULY			
1. DEBATE 2. SPEECH	IDIOMS / PROVERBS	SNAPSHOTS THE ADDRESS	HORNBILL VOICE OF THE RAIN
AUGUST			
1. CLASSIFIED ADVERTISEMENTS	TRANSFMTN OF SENTENCES	SNAPSHOTS MOTHER'S DAY	HORNBILL CHILDHOOD
SEPTEMBER –(HY EXAM) REVISION + NOTEMAKING RECAP			
OCTOBER – (DUSSEHRA)			
INVITATIONS		HORNBILL SILK ROAD SNAPSHOTS BIRTH	HORNBILL FATHER TO SON
NOVEMBER – (DIWALI)			
1. REVISION FORMAL LETTER & REPLIES (EDITOR, ENQUIRY, ORDER, COMPLAINT) 3. JOB APPLICATION	ASL	HORNBILL THE ADVENTURE	SNAPSHOTS TALE OF MELON CITY
DECEMBER – (CONCERT) REVISION			
JANUARY – REVISION			

CLASS –XII
UT-1 SYLLABUS
COMMERCE DEPARTMENT

SUBJECT	CHAPTER NO.	CHAPTER NAME
BUSINESS STUDIES	CH- 1 CH- 2	NATURE AND SIGNIFICANCE OF MANAGEMENT PRINCIPLES OF MANAGEMENT (HALF)
ECONOMICS	MACROECONOMICS CH-5 CH-6 IED CH-1	MONEY BANKING INDIAN ECONOMY ON THE EVE OF INDEPENDENCE
ACCOUNTANCY	CH-1	PARTNERSHIP FUNDAMENTALS
ENTREPRENEURSHIP	CH-1	ENTREPRENEURIAL OPPORTUNITY

BUSINESS STUDIES COURSE 2023-24

CLASS XI

MONTH	CHAPTER	TOPICS TO BE COVERED
APRIL/MAY	Nature and purpose of business	History of trade and commerce in India Indigenous Banking System Business Employment and Profession Business meaning and features Objectives of business Classification of business Industry and Commerce Types of Industry Commerce and Trade Business Risk
JULY	Forms of Business Organisations	Sole proprietorship Meaning, Features, Advantages and Disadvantages Partnership Meaning, Features, Advantages and Disadvantages, Types of Partnership and types of Partners, Registration of Partnership, Partnership Deed

		<p>Joint Hindu Family Business</p> <p>Meaning and Features</p> <p>Co-operative Societies</p> <p>Meaning, Features, Types of Co-Operative Societies, Advantages and Disadvantages</p>
AUGUST	Forms of Business Organisations	<p>Joint Stock Company</p> <p>Meaning, Features, Types of Companies, Advantages, Disadvantages</p> <p>Formation of Joint Stock Company</p> <p>Stages of Formation and Major documents required</p>
SEPTEMBER/ OCTOBER	Public, Private and Global Enterprises	<p>Public Sector and Private Sector Enterprises</p> <p>Concept, Forms of Public sector enterprises</p> <ul style="list-style-type: none"> (i) Departmental undertakings (ii) Public Corporations (iii) Government Companies (iv) Global enterprises (v) Joint Ventures

	<p>Emerging modes of business</p> <p>Social Responsibility and Business ethics</p>	<p>(vi) Public Private partnership</p> <p>E- business, Concept, Scope and Benefit</p> <p>Concept of social responsibility, Responsibility towards different interest groups</p> <p>Role of business in environment protection</p> <p>Business ethics</p>
<p>NOVEMBER</p>	<p>Business Services</p>	<p>Business Service - Meaning and types</p> <p>Banking</p> <p>Meaning, types of bank accounts, banking service, E banking-meaning, types and digital payments</p> <p>Insurance</p> <p>Meaning, Principles and Types of Insurance Contracts</p> <p>Postal service</p>

		Mail, Registered post, Parcel, Speed Post
DECEMBER	Sources of Business finance	<p>Concept of Business finance</p> <p>Owners funds-Equity Shares, Preference Shares and Retained earnings</p> <p>Borrowed Funds- Debentures and Bonds, Loan from Specialized Financial Institutions and Commercial Banks, Public Deposits, Trade Credit, Inter corporate deposits</p>
JANUARY	Small Business and Enterprises	<p>Entrepreneurship Development- Concept, Characteristics and need. Process of entrepreneurship development.</p> <p>Start up India Scheme, ways to find start up. Intellectual property rights and entrepreneurship.</p> <p>Small scale enterprise as defined by MSMED Act 2006.</p> <p>Role of small business in India with special reference to rural areas</p> <p>Government schemes and agencies for small scale industries NSIC and DIC with special reference to Rural and Backward areas</p>
FEBRURAY	<p>Internal Trade</p> <p>International Trade</p>	<p>Meaning and Types, Wholesaler and Retailer meaning and types</p> <p>Meaning and benefits</p>

		Import and export trade REVISION
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ECONOMICS (030)

CLASS -11

SYLLABUS -2023-24

MONTH	CHAPTER NAME	TOPICS TO BE COVERED
APRIL	MICROECONOMICS Introduction	Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.
	STATISTICS Measures of Central Tendency	Arithmetic mean
MAY	MICROECONOMICS Consumer's Equilibrium and Demand	Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility.
JUNE	MICROECONOMICS Consumer's Equilibrium and Demand	conditions of consumer's equilibrium using marginal utility analysis
JULY	MICROECONOMICS Consumer's Equilibrium and Demand	Indifference curve analysis of consumer's equilibrium- the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; Median
	STATISTICS	
AUGUST	STATISTICS	Mode
	MICROECONOMICS Producer Behaviour and Supply	price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method. Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor
SEPTEMBER	REVISION	REVISION

OCTOBER	<p>MICROECONOMICS Producer Behaviour and Supply</p> <p>STATISTICS Correlation</p>	<p>Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.</p> <p>meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data)</p>
NOVEMBER	<p>STATISTICS Correlation</p> <p>MICROECONOMICS Producer Behaviour and Supply</p>	<p>Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks)</p> <p>Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue Marginal Cost.</p>
DECEMBER	Introduction to Index Numbers.	meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method
JANUARY	MICROECONOMICS Perfect Competition - Price Determination and simple applications	Simple Applications of Demand and Supply: Price ceiling, Price floor.

CLASS XI PSYCHOLOGY (037)

MONTH	CHAPTERS	PROJECT AND PRACTICAL
APRIL	INTRODUCTION OF THE SUBJECT, IMPORTANCE, APPLICATION, COURSES CHAPTER 1 – WHAT IS PSYCHOLOGY?	<ul style="list-style-type: none">• INTRODUCTION OF PROJECT
MAY	CHAPTER 1- WHAT IS PSYCHOLOGY (CONTINUED) CHAPTER 2 – METHODS OF PSYCHOLOGICAL ENQUIRY	<ul style="list-style-type: none">• FINALISE TOPIC AND INTRODUCTION
JUNE- JULY	CHAPTER 2 – CONTINUED CHAPTER 5 – ATTENTION	<ul style="list-style-type: none">• SUBMISSION OF DRAFT I• PRACTICAL 1
AUGUST	CHAPTER 5- PERCEPTION CHAPTER 6 – LEARNING	<ul style="list-style-type: none">• SUBMISSION OF DRAFT II• PRACTICAL 2
SEPTEMBER	CHAPTER 6 – LEARNING (CONTINUED)	<ul style="list-style-type: none">• QUESTIONNAIRE SUBMISSION
OCTOBER	CHAPTER 7 – MEMORY	<ul style="list-style-type: none">• DATA COLLECTION• PRACTICAL 3
NOVEMBER	CHAPTER 8 – THINKING	<ul style="list-style-type: none">• DATA INTERPRETATION
DECEMBER	CHAPTER 9 – MOTIVATION	<ul style="list-style-type: none">• FINAL DRAFT SUBMISSION OF CASE STUDY
JANUARY	CHAPTER 9 – EMOTIONS	<ul style="list-style-type: none">• FILE SUBMISSION BOTH PROJECT AND PRACTICAL
FEBRUARY	INTRODUCTION OF PSYCHODYNAMIC APPROACH	<ul style="list-style-type: none">• PRACTICAL EXAM

UNIT TEST- 1 SYLLABUS CLASS XI

CHAPTER – 1 WHAT IS PSYCHOLOGY?

CHAPTER – 2 METHODS OF PSYCHOLOGICAL ENQUIRY

PRENEURSHIP CODE NO- 066

CLASS - XI

SESSION - 2023-24

TOPICS TO BE COVERED

CONCEPT , FUNCTIONS, MYTHS, ADVANTAGES AND LIMITATIONS , PROCESS AND THE PRESENT SCENARIO.

**WHY AN ENTPRENEUR , TYPES OF ENTPRENEUR ,COMPETENCIES , VALUES, ATTITUDES AND MOTIVATION ,
IDEA GENERATION , FEASIBILITY STUDIES , BUSINESS PLAN , EXECUTION OF BUSINESS PLAN**

PROBLEM SOLVERS , INNOVATION AND VENTURES , ROLE OF TECHNOLOGY , SOCIAL ENTPRENEURSHIP

MARKET: CONCEPT AND TYPES

MICRO AND MACRO ENVIRONMENT , MARKET RESEARCH , MARKETING MIX

UNIT OF SALE , TYPES OF COST , BREAK EVEN ANALYSIS.

TYPES OF RESOURCES - PHYSICAL , HUMAN AND FINANCIAL AND INTANGIBLE

SELECTION AND UTILISATION .



CLASS- XI
APPLIED MATHEMATICS (241)
SESSION- 2023-24

S.NO.	CHAPTERS	MONTH
1	SETS, RELATIONS , INDICES AND MENSURATION	APRIL
2	LOGARITHM, NUMBERS AND SEQUENCE AND SERIES	MAY
3	PERMUTATIONS AND COMBINATION, QUANTITATIVE APTITUDE	S, JULY
4	FUNCTIONS, LIMITS, CONTINUITY AND DIFFERENTIABILITY	JULY - AUGUST
5	DIFFERENTIATION, PROBABILITY	AUGUST - SEPTEMBER
6	TAXATION, UTILITY BILLS	SEPTEMBER - OCTOBER
7	COMPOUND INTEREST, ANNUITY AND DISCRIPTIVE STATISTICS	NOVEMBER - DECEMBER
8	STRAIGHT LINE AND REVISION	JANUARY

SYLLABUS OF UT – 1

- 1. SETS**
- 2. RELATIONS**
- 3. INDICES AND LOGARITHM**

CLASS- XI (041)
SESSION- 2023-24

S.NO.	CHAPTERS	MONTH
1	SETS, RELATIONS & FUNCTIONS	APRIL
2	RELATIONS & FUNCTIONS LINEAR INEQUALITIES	MAY
3	COMPLEX NUMBERS & QUADRATIC EQUATIONS TRIGONOMETRY	JULY
4	PERMUTATIONS AND COMBINATIONS BINOMIAL THEOREM	JULY - AUGUST
5	SEQUENCE & SERIES STRAIGHT LINES	AUGUST - SEPTEMBER
6	CONIC SECTION INTRODUCTION OF THREE DIMENSIONAL GEOMETRY	SEPTEMBER - OCTOBER
7	PROBABILITY STATISTICS	NOVEMBER - DECEMBER
8	LIMITS AND DERIVATIVES	JANUARY

SYLLABUS OF UT – 1

- 1. SETS**
- 2. RELATIONS & FUNCTIONS**
- 3. LINEAR INEQUALITY**

CLASS XI (083)

2023-24

SR NO	CHAPTER	MONTH
1	Unit I: Computer Systems and Organisation <ul style="list-style-type: none">• Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB)• Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software• Operating system (OS): functions of operating system, OS user interface	April..May...July
2	Unit II: Computational Thinking and Programming – 1 <ul style="list-style-type: none">• Familiarization with the basics of Python programming:• Operators: arithmetic operators, relational operators, logical operators, assignment operator• Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output• Errors: syntax errors, logical errors, runtime errors• Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control• Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number	Aug
3	<ul style="list-style-type: none">• for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc• Strings: introduction, indexing, string operations (concatenation, repetition, membership & slicing), traversing a string using loops, built-in functions: len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(),rstrip(), strip(), replace(), join(), partition(), split()	Sep-Oct
4	Unit II: Computational Thinking and Programming – II	Nov

	<ul style="list-style-type: none"> • Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list • Tuples: introduction, indexing, tuple operations(concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple 	
5	<p>Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them</p> <ul style="list-style-type: none"> • Introduction to Python modules: Importing module using 'import ' and using from statement, Importing math module (pi, e,sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode) 	
6	Unit III: Society, Law and Ethics	Jan

SYLLABUS OF U.T. 1: Unit I: Computer Systems and Organization

- **Getting started with Python**
- **Python Fundamentals**

Class XI (Informatics Practices-065)**2023-24**

SR NO	CHAPTER	MONTH
1	Unit 1: Introduction to Computer System	April
2	Unit 2: Introduction to Python Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging. Control Statements: if-else, for loop Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions. Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions.	May
3	CONTINUE...	July
4	CONTINUE...	August
5	REVISION	September
6	Unit 3: Database concepts and the Structured Query Language Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE TABLE Data Query: SELECT, FROM, WHERE. Data Manipulation: INSERT	October
7	CONTINUE	November
8	Unit 4: Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology	December /January

SYLLABUS OF U.T. 1: Introduction to computer system. Chapter 1 and Python Fundamentals.

Syllabus - class XI

Physical Education (048)

(2023-24)

THEORY **70 MARKS**
PRACTICAL **30 MARKS**

TERM 1	TERM 2
<p style="text-align: center;"><u>APRIL & MAY</u></p> <p>1. Changing Trends & Career in Physical Education</p> <ul style="list-style-type: none">• Concept, Aims & Objectives of Physical Education• Changing Trends in Sports-playing surface, wearable gears and sports equipment, technological advancements• Career Options in physical Education• Khelo-India and Fit -India Program <p>2. Olympism</p> <ul style="list-style-type: none">• Ancient and Modern Olympics• Olympism- Concept and Olympics values (Excellence, Friendship & Respect)• Olympics- Symbols, Motto, Flag, Oath, and Anthem• Olympic Movement Structure- IOC, NOC, Ifs, Other members	<p style="text-align: center;"><u>OCTOBER</u></p> <p>7. Fundamentals of Anatomy, Physiology in sports</p> <ul style="list-style-type: none">• Definition and importance of anatomy and Physiology in exercise and sports• Functions of skeleton system, classification of bone and types of joints• Function and structure of circulatory system and heart• Function and structure of respiratory system <p>8. Fundamentals of Kinesiology and Biomechanics in sports</p> <ul style="list-style-type: none">• Definition and Importance of Kinesiology and Biomechanics in sports• Principles of Biomechanics• Types of Body Movements- Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation• Axis and Planes – concept and its application in body movements
<p style="text-align: center;"><u>JULY</u></p> <p>3. YOGA</p> <ul style="list-style-type: none">• Meaning & Importance of Yoga• Introduction to Ashtanga Yoga• Introduction to Yogic kriyas (Shat Karma)	<p style="text-align: center;"><u>November</u></p> <p>9. Psychology & Sports</p> <ul style="list-style-type: none">• Definition & Importance of psychology in physical education & sports• Adolescent Problems & their Management• Team Cohesion and sports

<p>4. Physical Education & Sports for CCWSN(Children with Special Needs- Divyang</p> <ul style="list-style-type: none"> • Concept of Disability and disorder • Types of Disability, its causes & nature (Intellectual disability, physical disability) • Aim & Objective of Adaptive Physical Education • Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator) 	<p style="text-align: center;"><u>December</u></p> <p>10. Training and Doping in Sports</p> <ul style="list-style-type: none"> • Concept and principles of sports training • Training Load: Over load, adaptation, and recovery • Concept of doping and its disadvantages
<p style="text-align: center;"><u>AUGUST</u></p> <p>5. Physical Fitness, Health and Wellness</p> <ul style="list-style-type: none"> • Meaning and importance of wellness health and physical fitness • Components/ Dimensions of wellness, health and physical fitness • Traditional sports and regional games for promoting wellness 	
<p style="text-align: center;"><u>SEPTEMBER</u></p> <p>6. Tests, Measurement & Evaluation</p> <ul style="list-style-type: none"> • Concept of test, measurement and evaluation in physical education & sports • Classification of test in physical education and sports • Test administration guidelines in physical education and sports 	

हिन्दी केंद्रिक { 302 }
कक्षा-11-; 2023-24
माहवार विभाजन

जुलाई :

अपठित गद्यांश
अपठित पद्यांश
पत्र- औपचारिक
नमक का दरोगा
अपू के ढाई साल

अगस्त:

जनसंचार इकाई प्रथम
रचनात्मक लेखन
घर की याद { कविता }
यूनिट टेस्ट- 1
अपठित गद्यांश
अपठित पद्यांश
पत्र- औपचारिक
रचनात्मक लेखन
जनसंचार पर पाँच प्रश्न

सितम्बर: में परीक्षा

अपठित गद्यांश
अपठित पद्यांश
पत्र- औपचारिक
रचनात्मक लेखन

जनसंचार इकाई प्रथम पूरा
नमक का दरोगा
अपू के ढाई साल
घर की याद
चम्पा काले-काले अक्षर नहीं चीन्हती
वेवी आलो आँधरि

अक्टूबर: अभिव्यक्ति और माध्यम

जनसंचार इकाई दो
डायरी लिखने की कला
कथा, पटकथा
फीचर, आलेख
रजनी
जामुन का पेड़

नवम्बर: अभिव्यक्ति और माध्यम { इकाई-3 }

कार्यालयी लेखन और प्रक्रिया
स्ववृत्त लेखन, शब्द कोष
त्रिलोचन- चम्पा काले-काले अक्षर नहीं चीन्हती { पुनरावृत्ति }
दुष्यन्त कुमार गजल

दिसम्बर:

अक्क महादेवी
लता मंगेशकर
राजस्थान की रजत बूँदें
पुनरावृत्ति-----
परियोजना कार्य

ART SYLLABUS (11 and 12)

CLASS 11: (2023-24)

1. Still life study (pencil shading)
2. Nature Study (pencil shading)
3. Copy work of the painting of B. Prabha
4. Face Study
5. Figure Study
6. Modern landscape coloured
7. Composition of sun flowers
8. Composition on sports
9. Nature study (pencil shading)
10. Still life study (pencil shading)

Painting composition of artist (Tyeb Mehta)

SYLLABUS OF CLASS 11

UT – 1

The Rajasthani School

- Origin and Development
- Sub – School – Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- Main features of the Rajasthani School
- Appreciation of the following Rajasthani paintings
 - Maru -Ragini, Chaugan Players, Krishna on swing Radha (Bani- Thani) and Bharat Meet Rama at Chitrakuta.

UT – 2

The Pahari School

- Origin and Development
- Sub – School – Basohli and Kangra
- Main features of the Pahari School
- Appreciation of the following Pahari paintings
 - Krishna with Gopies and Nand Yashoda and Krishna with Kinsmen Going to Vrindavana.

CLASS 12:

1. Still life (coloured)
2. Painting composition 'Voice of heart'
3. Nature study in colours
4. Perspective landscape
5. Modern painting with figures (Daily life)
6. Nature study of plant (coloured)
7. Still -life (coloured)
8. Painting on fantasy

SYLLABUS OF CLASS 12

UT - 1

Introduction to the Bengal School of painting, study the following paintings of the Bengal School- Journey's end, Radhika, Raasleela and Meghdoot.

UT – 2

Contribution of Indian artist in the struggle for National freedom movement.

Study and appreciation of the Contemporary Indian Art – Paintings, Graphic and Sculptures.