

## GRADE 11 ENGLISH MONTH WISE SYLLABUS 2024-25

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

ECONOMICS (030)

CLASS -11

SYLLABUS -2024-25

MONTH	CHAPTER NAME	TOPICS TO BE COVERED
APRIL	MICROECONOMICS Introduction  STATISTICS Measures of Central Tendency	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.  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  STATISTICS	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
AUGUST	STATISTICS  MICROECONOMICS Producer Behaviour and Supply	Mode  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.

# **BUSINESS STUDIES COURSE 2024-25**

CLASS XI

<b>MONTH</b>	<b>CHAPTER</b>	<b>TOPICS TO BE COVERED</b>
<b>APRIL/MAY</b>  <b>FIRST TERM</b>	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
<b>JULY</b>  <b>FIRST TERM</b>	Forms of Business Organisations	<b>Sole proprietorship</b>  Meaning, Features, Advantages and Disadvantages  <b>Partnership</b>  Meaning, Features, Advantages and Disadvantages, Types of Partnership and types of Partners, Registration of Partnership, Partnership Deed

		<p><b>Joint Hindu Family Business</b></p> <p>Meaning and Features</p> <p><b>Co-operative Societies</b></p> <p>Meaning, Features, Types of Co-Operative Societies, Advantages and Disadvantages</p>
<p><b>AUGUST</b></p> <p><b>FIRST TERM</b></p>	Forms of Business Organisations	<p><b>Joint Stock Company</b></p> <p>Meaning, Features, Types of Companies, Advantages, Disadvantages</p> <p><b>Formation of Joint Stock Company</b></p> <p>Stages of Formation and Major documents required</p>
<p><b>SEPTEMBER/ OCTOBER</b></p> <p><b>SECOND TERM</b></p>	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"> <li>(i) Departmental undertakings</li> <li>(ii) Public Corporations</li> <li>(iii) Government Companies</li> <li>(iv) Global enterprises</li> <li>(v) Joint Ventures</li> <li>(vi) Public Private partnership</li> </ul> <p>E- business, Concept, Scope and Benefit</p>

	<p>Emerging modes of business</p> <p>Social Responsibility and Business ethics</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><b>NOVEMBER</b></p> <p><b>SECOND TERM</b></p>	<p>Business Services</p>	<p>Business Service - Meaning and types</p> <p><b>Banking</b></p> <p>Meaning, types of bank accounts, banking service, E banking-meaning, types and digital payments</p> <p><b>Insurance</b></p> <p>Meaning, Principles and Types of Insurance Contracts</p> <p><b>Postal service</b></p> <p>Mail, Registered post, Parcel, Speed Post</p>

<p><b>DECEMBER</b></p> <p><b>SECOND TERM</b></p>	<p>Sources of Business finance</p>	<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>
<p><b>JANUARY</b></p> <p><b>SECOND TERM</b></p>	<p>Small Business and Enterprises</p>	<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>
<p><b>FEBRURAY</b></p> <p><b>SECOND TERM</b></p>	<p>Internal Trade</p> <p>International Trade</p>	<p>Meaning and Types, Wholesaler and Retailer meaning and types</p> <p>Meaning and benefits</p> <p>Import and export trade</p>

		<b>REVISION</b>
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# ACCOUNTANCY COURSE 2024-25

## CLASS XI

MONTH	CHAPTER	TOPICS TO BE COVERED
APRIL/MAY  <b>FIRST TERM</b>	INTRODUCTION TO ACCOUNTING	Accounting concept, meaning, objectives of accounting, advantages of accounting, limitations of accounting, users of accounting information  Basic accounting terms  Basic accounting assumptions and concepts  Accounting process
JULY  <b>FIRST TERM</b>	Accounting process	Recording transaction in primary book <b>JOURNAL</b>  Recording transactions in secondary book <b>LEDGER</b>  Preparation of Trial Balance by Balance method and by Total method
AUGUST  <b>FIRST TERM</b>	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

<b>SEPTEMBER</b>  <b>FIRST TERM</b>	Accounting process	Bank Reconciliation Statement  Goods and Service tax
<b>OCTOBER</b>  <b>SECOND TERM</b>	Accounting process	Depreciation- Reserves and Provisions  Errors and their rectification
<b>NOVEMBER</b>  <b>SECOND TERM</b>	Financial accounting	Accounting Equations  Final accounts without adjustments  Final accounts with adjustments
<b>DECEMBER</b>  <b>SECOND TERM</b>	Financial accounting	Final accounts with adjustments
<b>JANUARY</b>  <b>SECOND TERM</b>	<b>REVISION</b>	<b>WORKSHEET</b>
<b>FEBRUARY</b>  <b>SECOND TERM</b>	<b>REVISION</b>	<b>WORKSHEET</b>



**POLITICAL SCIENCE CLASS -XI  
SYLLABUS (2024-25)**

**TERM- I**

<b>S.NO.</b>	<b>MONTH(S)</b>	<b>CHAPTER(S)</b>
1.	<b>APRIL+MAY</b>	1. Constitution How and Why? 2. Rights in the Indian Constitution 3. Election and Representation 4. Political Theory: An Introduction
2.	<b>JUNE+JULY</b>	5. The Executive 6. Freedom 7. Equality
3.	<b>AUGUST+ SEPTEMBER</b>	8. Legislature 9. Social Justice

**TERM- II**

<b>S.NO.</b>	<b>MONTH(S)</b>	<b>CHAPTER(S)</b>
4.	<b>OCTOBER</b>	10. Judiciary 11. Rights 12. Citizenship
5.	<b>NOVEMBER</b>	13. Federalism 14. Nationalism
6.	<b>DECEMBER</b>	15. Secularism 16. Local Governments
7.	<b>JANUARY+ FEBRUARY</b>	17. Constitution as a living document 18. The philosophy of the Constitution

## CLASS 11th HISTORY SYLLABUS (2024-25)

### 1<sup>ST</sup> TERM: APRIL - SEPTEMBER

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

### 2<sup>ND</sup> TERM: OCTOBER TO FEBRUARY

Month	Chapter	History Project
October	8. The three orders 9. Changing cultural traditions	5. Submission of draft 2 6. Finalization of draft 2
November	<b>Section D: Paths to Modernization</b> 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	

**CLASS 11**  
**GEOGRAPHY SYLLABUS (2024-25)**

**1<sup>ST</sup> TERM: APRIL – SEPTEMBER**

<b>Months</b>	<b>Paper – 1 Physical Geography</b>	<b>Paper – 2 India: Physical Environment</b>	<b>Paper – 3 Practical Geography</b>
<b>April + May</b>	1. Geography as a Discipline	1. India: Location	1. Introduction to Maps
<b>July</b>	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
<b>August + September</b>	5. Geomorphic Processes 6. Landforms and their evolution	3. India: Drainage system	5. Topographical Maps

**2<sup>ND</sup> TERM: OCTOBER - MARCH**

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

## CLASS: XI (BIOLOGY)

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
	<b>TERM 2</b>	
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

### UT -1 SYLLABUS BIOLOGICAL CLASSIFICATION

# CHEMISTRY SYLLABUS

CLASS 11

(2024-25)

S.NO.	NAME OF CHAPTERS	MONTH
1	STRUCTURE OF ATOM	JULY
2.	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	AUGUST
3.	CHEMICAL BONDING AND MOLECULAR STRUCTURE	AUGUST
4.	SOME BASIC CONCEPTS OF CHEMISTRY	SEPTEMBER
5.	CHEMICAL THERMODYNAMICS	SEPTEMBER
6.	EQUILIBRIUM	OCTOBER
7.	REDOX REACTION	NOVEMBER
8.	ORGANIC CHEMISTRY- SOME BASIC PRINCIPLES AND TECHNIQUES	NOVEMBER
9.	HYDROCARBONS	DECEMBER

**UT-1 SYLLABUS**

**STRUCTURE OF ATOM**



## PHYSICS SYLLABUS 2024-25

### CLASS 11

UNITS & MEASUREMENT	APRIL + MAY	UT1 (TILL Vectors)	HALF YEARLY	ANNUAL
MOTION IN A STRAIGHT LINE				
MOTION IN A PLANE	MAY+JULY			
FORCE & LAWS OF MOTION	AUGUST			
WORK & ENERGY	AUGUST+SEPT			
SYSTEM OF PARTICLES & ROTATIONAL MOTION	OCTOBER			
GRAVITATION	NOVEMBER	UT 2		
MECHANICAL PROPERTIES OF SOLIDS	NOVEMBER	UT 3		
MECHANICAL PROPERTIES OF FLUIDS	DECEMBER			
THERMAL PROPERTIES OF MATTER	DECEMBER			
THERMODYNAMICS	JANUARY			
OSCILLATIONS & WAVES	JANUARY			

## GRADE 11 ENGLISH MONTH WISE SYLLABUS 2024-25

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

**CLASS 11<sup>TH</sup>**  
**PSYCHOLOGY SYLLABUS 2024-25**

<b>SL. NO</b>	<b>MONTH</b>	<b>CHAPTERS</b>	<b>PRACTICALS AND PROJECT WORK</b>
1.	APRIL	CHAPTER 1 – WHAT IS PSYCHOLOGY?	<ul style="list-style-type: none"> <li>• PROJECT DISCUSSION</li> </ul>
2.	MAY – JUNE	CHAPTER 2 – METHODS OF PSYCHOLOGICAL ENQUIRY	<ul style="list-style-type: none"> <li>• PRACTICAL 1</li> </ul>
3.	JULY	CHPATER 5 - ATTENTION AND PERCEPTION	<ul style="list-style-type: none"> <li>• PROJECT DRAFT – 1</li> </ul>
4.	AUGUST	CHPATER 6 – LEARNING	<ul style="list-style-type: none"> <li>• PRACTICAL 2</li> </ul>
5.	SEPTEMBER	CHAPTER 6 – LEARNING	<ul style="list-style-type: none"> <li>• PROJECT DRAFT – 2</li> </ul>
6.	OCTOBER	CHAPTER 7 - HUMAN MEMORY	<ul style="list-style-type: none"> <li>• PRACTICAL 3</li> </ul>
7.	NOVEMBER	CHAPTER 8 – THINKING	<ul style="list-style-type: none"> <li>• FINAL DRAFT OF PROJECT</li> </ul>
8.	DECEMBER	CHAPTER 9 – MOTIVATION	<ul style="list-style-type: none"> <li>• PRACTICAL 4</li> </ul>
9.	JANUARY	REVISION OF ALL CHAPTERS	<ul style="list-style-type: none"> <li>• FINAL SUBMISSION OF PROJECT AND PRACTICAL FILES</li> </ul>

**SYLLABUS OF (2024-25)**  
**SUBJECT PAINTING (049)**

**SYLLABUS OF CLASS 11**

**TERM -1**

**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.

**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.

**ASSESSMENT 1**

**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.

**SYLLABUS OF (2024-25)**  
**SUBJECT PAINTING (049)**

**SYLLABUS OF CLASS 12**

**TERM -1**

**1. The Bengal School of painting**

- Origin and Development
- Main features of the Bengal School
- Appreciation of the following paintings of Bengal School
- Journey End – Abanindranath Tagore
- Shiv and Sati – Nandlal Bose
- Radhika – M.A.R Chughtai
- Meghdoot – Ram Gopal Vijaivargiya

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

**3. The Modern Trends in Indian Art**

- Appreciation of the Contemporary (Modern) Indian Art – Paintings.
- Rama Vanquishing the Pride of the Ocean – Raja Ravi Verma
- Mother and Child – Jamini Roy
- Haldi Grinders – Amrita Sher Gill
- Mother Teresa – M.F Husain

**ASSESSMENT 1**

**1. The Bengal School of painting**

- Origin and Development
- Main features of the Bengal School
- Appreciation of the following paintings of Bengal School
- Journey End – Abanindranath Tagore
- Shiv and Sati – Nandlal Bose
- Radhika – M.A.R Chughtai
- Meghdoot – Ram Gopal Vijaivargiya

**CLASS- XI (041)**  
**SESSION- 2024-25**

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 (Informatics Practices-065)**

**2024-25**

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.






<b>THEORY :</b>
<b>PROJECT :</b>

<b>MONTHS</b>
APRIL
MAY
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
JANUARY

<b>ENTREPRENEURSHIP CODE NO- 066</b>
<b>CLASS - XI</b>
<b>SESSION - 2024-25</b>

70 MARKS
30 MARKS

**CHAPTERS**

ENTREPRENEURIAL CONCEPT AND FUNCTIONS
ENTREPRENEURSHIP CONCEPT AND FUNCTION (CONTINUED)
AN ENTREPRENEUR
ENTREPRENEURIAL JOURNEY
ENTREPRENEURIAL AS INNOVATION AND PROBLEM SOLVING
UNDERSTANDING THE MARKET
UNDERSTANDING THE MARKET
BUSINESS FINANCE AND ARITHMETIC
RESOURCE MOBILIZATION
RESOURCE MOBILISATION





**SYLLABUS CLASS XI (083)**  
**COMPUTER SCIENCE**  
**2024-25**

SR NO	CHAPTER	MONTH
1	<p><b>Unit I: Computer Systems and Organisation</b></p> <ul style="list-style-type: none"> <li>● 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)</li> <li>● Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler &amp; interpreter), application software</li> <li>● Operating system (OS): functions of operating system, OS user interface</li> </ul>	April
2	<p><b>Unit II: Computational Thinking and Programming – 1</b></p> <ul style="list-style-type: none"> <li>● Familiarization with the basics of Python programming:</li> <li>● Operators: arithmetic operators, relational operators, logical operators, assignment operator</li> <li>● Expressions, statement, type conversion &amp; input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit &amp; implicit conversion), accepting data as input from the console and displaying output</li> <li>● Errors: syntax errors, logical errors, runtime errors</li> <li>● Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control</li> <li>● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number</li> </ul>	May
3	<ul style="list-style-type: none"> <li>● 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</li> </ul>	July
4	<ul style="list-style-type: none"> <li>● Strings: introduction, indexing, string operations (concatenation, repetition, membership &amp; 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()</li> </ul>	Aug
	<b>Unit II: Computational Thinking and Programming – II</b>	

5	<ul style="list-style-type: none"> <li>• <b>Lists:</b> introduction, indexing, list operations (concatenation, repetition, membership &amp; 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</li> <li>• <b>Tuples:</b> introduction, indexing, tuple operations(concatenation, repetition, membership &amp; 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</li> </ul>	Sept
6	<p><b>Dictionary:</b> 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>	Oct
7	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)	Nov
8	<b>Unit III: Society, Law and Ethics</b> Project	Dec-Jan

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

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



## CLASS -11

S.NO.	MONTH	CHAPTERS
1.	APRIL	INDICES AND LOGARITHM NUMBERS
2.	MAY, JUNE	QUANTITATIVE APTITUDE SETS AND RELATIONS
3.	JULY	FUNCTIONS SEQUENCE AND SERIES
4.	AUGUST	PERMUTATIONS AND COMBINATIONS LIMITS AND CONTINUITY DIFFERENTIATION
5.	SEPTEMBER	DIFFERENTIATION-CONTINUED TAXATION
6.	OCTOBER	UTILITY BILLS COMPOUND INTEREST AND ANNUITIES
7.	NOVEMBER	DESCRIPTIVE STATISTICS
8.	DECEMBER	PROBABILITY
9.	JANUARY	STRAIGHT LINE CIRCLES AD PARABOLA(BRIEF INTRODUCTION)
10.	FEBRUARY	REVISION AND THE TOPICS LEFT
11.	THROUGHOUT SESSION	LOGICAL REASONING

### SYLLABUS FOR UT-1

<ul style="list-style-type: none"><li>• INDICES AND LOGARITHM</li><li>• NUMBERS</li></ul>
<ul style="list-style-type: none"><li>• QUANTITATIVE APTITUDE</li><li>• SETS AND RELATIONS</li></ul>