

BHARATIYA VIDYA BHAVAN VIDYASHRAM
K.M. MUNSHI MARG, JAIPUR

SYLLABUS - (2023-2024)

Class: XI

Subject: English Core

Prescribed Books - 1. Hornbill (NCERT)
2. Snapshots (NCERT)

Month	Name of the Topic	Learning Outcome By the end of the topic, students will be able to-
April	<p>Hornbill:</p> <ul style="list-style-type: none"> • The Portrait of a Lady • A Photograph <p>Snapshots:</p> <ul style="list-style-type: none"> • The Summer of the Beautiful White Horse <p>Classified Advertisements:</p> <ul style="list-style-type: none"> • To-Let/Accommodation Wanted, Sale/Purchase, Situation Vacant/Wanted etc. <p>Grammar:</p> <ul style="list-style-type: none"> • Tenses • Re-ordering of Sentences 	<ul style="list-style-type: none"> • Summarize the story in their own words. • Know more about Khushwant Singh, his writing style and major works. • Reconnect events in the story with real life incidents. • Recall the important points of the story through short answer type questions. • Write the character sketch of the grandmother. • Justify the title by writing a short note on it. • Infer the meaning of metaphorical statements in the story by explaining them in the notebook. Describe distinct literary characteristics of poetic forms • Analyse and extrapolate the ideas. • Identify the figures of speech used in the poem. • Understand the theme and flow of the text. • Recall the important points of the story through a questionnaire or a mind map. • Write the character sketch of Uncle Khosrove and Mourad. • Obtain, analyse and communicate information. • Express ideas in an organized manner using appropriate language and format.
May	<p>Hornbill:</p> <ul style="list-style-type: none"> • We're Not Afraid to Die...if We Can All Be Together <p>Grammar:</p> <ul style="list-style-type: none"> • Tenses • Re-ordering of Sentences 	<ul style="list-style-type: none"> • Learn about the different parts of the ship mentioned in the story. • Write the character sketch of the narrator. • Know more about important geopolitical locations. • Recall the important points of the story through a questionnaire or a mind map
July	<p>Hornbill:</p> <ul style="list-style-type: none"> • Discovering Tut: the Saga Continues • The Laburnum Top <p>Snapshots:</p>	<ul style="list-style-type: none"> • Explain Egyptian beliefs and traditions about the afterlife. • Describe and retell the story of King Tut. • Discuss how archaeologists work.

	<ul style="list-style-type: none"> • The Address <p>Reading Comprehension:</p> <ul style="list-style-type: none"> • Note Making <p>Writing Skill:</p> <ul style="list-style-type: none"> • Poster • Debate • Speech <p>Grammar:</p> <ul style="list-style-type: none"> • Clauses • Transformation of Sentences 	<ul style="list-style-type: none"> • Develop greater confidence and proficiency in the use of language skills necessary for social and academic purposes. • Promote advanced language skills with an aim to develop the skills of reasoning, drawing inferences, etc. • Inculcate values like courage, empathy, sensitivity, critical thinking and maintaining relations. • Understand to forget the past and move ahead in life. • Appreciate family members and family bonding and value all that we are blessed with. • Realize the value of time and not to be upset with old memories. • Develop the comprehension skill, analytical skill, language skill and thinking skill. • Write coherently and respond imaginatively. • Participate in critical conversations. To prepare, organize and deliver ideas in the form of a poster, debate or a speech.
August	<p>Reading Comprehension:</p> <ul style="list-style-type: none"> • Factual, descriptive and literary passage 	<ul style="list-style-type: none"> • To restructure the lexical capabilities of the students • Cultivating the love for reading and developing their oral and silent reading skills • To familiarize the students with different writing styles and different text genres
September	<p>Reading Comprehension:</p> <ul style="list-style-type: none"> • Case-based passages <p>Revision</p>	<ul style="list-style-type: none"> • Enhance writing skill. • Realise importance of reasoning, • Learn to assess and analyse situations. • Exchange ideas.
October	<p>Hornbill:</p> <ul style="list-style-type: none"> • The Voice of the Rain • Childhood • The Adventure 	<ul style="list-style-type: none"> • Understand the critical appreciation of the poem based on rhyme, content and theme. • Identify the figures of speech used in the poem. • Identify the social issues raised. • Learn to select correct interpretations and solutions to conceptual problems. • Enhance vocabulary. • Know how to take role play. • Learn how to display mannerism and attitude towards others.
November	<p>Hornbill:</p> <ul style="list-style-type: none"> • Silk Road <p>Snapshots:</p> <ul style="list-style-type: none"> • Mother's Day <p>Creative Writing Skill:</p> <ul style="list-style-type: none"> • Poster 	<ul style="list-style-type: none"> • Develop a sense of duty. • Not to indulge in criticism. • Inculcate values like care and concern to save environment. • Develop imaginative and analytical skills. • Realise the importance of saving natural resources. • Express effectively (both verbal and written form).

		<ul style="list-style-type: none"> • Know that mothers have equal rights to enjoy their lives and deserve acknowledgement and appreciation. • Strengthen the family bonding with sharing and solving problems. • Develop analytical skills, thinking skills, decision making, management skills, logical skills etc. • Identify and understand the central/main point and supporting details along with the phrases used in the lesson. • Imbibe values like care and concern, empathy, compassion, respect for elders, belongingness and tolerance.
December	Hornbill: <ul style="list-style-type: none"> • Father to Son Snapshots: <ul style="list-style-type: none"> • Birth • The Tale of Melon City 	<ul style="list-style-type: none"> • Comprehend and appreciate poetry. • Learn new words. • Enhance understanding of literary devices. • Read with proper intonation and stress. • Read, compare, contrast, think critically and relate ideas to life. • Analyse using plays for their structure and meaning, correct terminology. • Understand the sense of duty. • Appreciate and accept the selfless service to mankind. • Realise and create a balance between the knowledge gained and practical approach. • Interpret that the story hinges on the theme - never say die attitude and the precious gift of life. • Become aware of different situations and dealing them well. • Realise that peace and liberty are the two strong factors for a state to flourish. • Able to understand that the rulers of the state should be judicious and sensitive to the needs of the people. • Understand that the ruler of the state must understand the problems and needs of the people. • Understand that the simplest way to maintain peace and liberty in a state is by following the principles of laissez-faire.

SYLLABUS FOR PERIODIC TEST - 1

Literature:

- The Portrait of a Lady
- A Photograph
- The Summer of the Beautiful White Horse

Grammar:

- Tenses
- Re-ordering of Sentences

Creative Writing Skill:
Classified Advertisement

SYLLABUS FOR TERM 1 / PERIODIC TEST – 2

Reading Comprehension:

- Factual, descriptive and literary passage
- Case-based passage
- Note Making

Literature:

- The Portrait of a Lady
- A Photograph
- We're Not Afraid to die...if we can All Be Together
- Discovering Tut: the Saga Continues
- The Laburnum Top
- The Summer of the Beautiful White Horse
- The Address

Creative Writing Skills:

- Classified Advertisement
- Poster
- Speech
- Debate

Grammar:

- Questions on Gap Filling (Tenses, Clauses)
- Questions on re-ordering/ transformation of sentences

SYLLABUS FOR PERIODIC TEST 3

Reading Comprehension:

- Factual, descriptive or literary passage

Literature:

- The Voice of the Rain
- The Adventure
- Mother's Day

Creative Writing Skill:

- Poster

Grammar:

- Tenses
- Clauses
- Re-ordering / transformation of sentences

Syllabus for Annual Examination

Syllabus of Half Yearly +P T 2 +

- Childhood
- The Adventure
- Silk Road
- Father to Son
- Birth
- The Tale of Melon City

Entire Syllabus

HISTORY (027)

Month	Theme title	Learning outcomes
April	Theme-1 Writing And City Life	<ul style="list-style-type: none"> Analyze the outcome of a sustained tradition of writing. Elucidate the interwoven social and cultural aspects of civilization.
May	Theme- 2 An Empire Across Three Continents	Explain and relate the dynamics of the roman empire in order to understand their polity, economy, society and culture.
July	Theme- 2 To Be Continued theme-3 Nomadic Empire	Trace the achievements and growth of Genghis khan in order to understand him as an iconic ruler.
August	Theme-3 To Be Continued Theme-4 The Three Orders	Assess the 14 th century crisis and the rise of the nation states
September	Theme-4 To Be Continued REVISION	
October	Theme-5 Changing Cultural Traditions	Analyze the causes, events and effects of the renaissance.
November	Theme- 5 To Be Continued Theme- 6 Displacing Indigenous People	To analyze the realms of settlement of Europeans in Australia and America.
December	Theme-6 To Be Continued Theme-7 Paths To Modernization	Deduce the histories of china and japan from the phase of imperialism to modernization.
January	Theme-7 To Be Continued	
SYLLABUS	PT-1 CH- 1,2 HALF YEARLY- CH- 1,2,3,&4	PT-3 CH- 5,6 ANNUAL EXAM- 1,2,3,4,5,6&7

POLITICAL SCIENCE

MONTH	BOOK	CHAPTER NAME/ Content	LEARNING OUTCOME
APRIL	Book-1	Ch-1- Constitution Why and How	-what a constitution means; what a constitution does to the society; how constitutions govern the allocation of power in society; and what was the way in which the Constitution of India was made.
	Book -1	Ch-2 Rights in Indian Constitution	Students will know about the importance of rights and the implementation of rights, and also they will identify the fundamental rights and fundamental duties.
	Book-2	Ch-1- Political Theory- An introduction	- Political theory examines questions of this kind and systematically thinks about the values that inform political life — values such as freedom, equality and justice. It explains the meaning and significance of these and other related concepts. It clarifies the existing definitions of these concepts by focusing on some major political thinkers of the past and present
MAY	BOOK -1	Ch-3- Election and Representation	- different methods of election; the characteristics of the system of election adopted in our country; the importance of the provisions for free and fair elections; and the debate on electoral reforms.
JULY	Book-1	Ch-4- The Legislature	- the importance of the legislature; the functions and powers of the Parliament of India; the law making procedure; how the Parliament controls the executive; and how the Parliament regulates itself
	Book-2	Ch- 2- Liberty/Freedom	- Understand the importance of freedom for individuals and societies, will learn the difference between the negative and positive dimensions of freedom, what is meant by the term 'harm principle'
August	Book-1	Ch-5 – The Executive	make a distinction between the parliamentary and the presidential executive; understand the constitutional position of the President of India; know the composition and functioning of the Council of Ministers and the importance of the Prime Minister; and understand the importance and functioning of the administrative machinery. that a fair and just society would be in the interest of all members and could be defended on rational grounds.
SEPTEMBER	Book -2	Ch-3- Equality	- What is equality? Why should we be concerned about this moral and political ideal? Does the pursuit of equality involve treating everyone the same way in every condition?
	Book -2	Ch-4- Justice	- Identify some of the principles of justice which have been put forward in different societies and at different periods of time. Explain what is meant by distributive justice. Discuss John Rawls' argument.
		(REVISION)	

OCTOBER	Book-2	Ch-5 Rights	- What do we mean when we speak of rights? What is the basis on which rights are claimed? What purpose do rights serve and, why are they so important.
	Book-1	Ch-6- Judiciary	- the meaning of independence of judiciary; the role of Indian Judiciary in protecting our rights; the role of the Judiciary in interpreting the Constitution; and the relationship between the Judiciary and the Parliament of India
NOVEMBER	Book-1	Ch-7 Federalism	-what is Federalism; - the federal provisions in the Indian Constitution; - the issues involved in the relations between the centre and the States; and - the special provisions for certain States having a distinct composition and historical features.
	Book -2	Ch -6 Citizenship	-Will apprise about the meaning of citizenship, - will discuss some of the areas in which the meaning is being expanded or challenged today.
DECEMBER	Book-1	Ch – 8 Local Governments	- the importance of local government bodies; the provisions made by the 73rd and 74th amendments; and functions and responsibilities of the local government bodies
	Book - 1	Ch -9 Constitution As a Living document	- will learn about the amendment procedure, importance of judiciary, will also know the ever evolving document .
JANUARY	Book-1	Ch -7 Nationalism	-understand the concepts of nation and nationalism. - acknowledge the strengths and limitations of nationalism. - appreciate the need for ensuring a link between democracy and nationalism.
	Book-1	Ch -10 The Philosophy of the Constitution	- will understand the philosophy of Indian Constitution, core features of the Indian Constitution, criticisms and limitations of Indian constitution
	Book-2	Ch-8 Secularism	-What is the meaning of secularism? - Is secularism a western implant on Indian soil? - Is it suitable for societies where religion continues to exercise a strong influence on individual lives? - Does secularism show partiality? Does it 'pamper' minorities? - Is secularism anti-religious?
FEBRUARY		Revision	

Syllabus for PT-1

Book -1	Ch-1 Constitution Why and How CH-2 Rights in Indian Constitution
Book -2	Ch – 1 Political Theory – An Introduction

Half – yearly/ Term -1 – Whole Term-1 syllabus / P2

Book -1	Ch-1 Constitution Why and How Ch – 2 Rights in the Indian Constitution Ch-3 Election and Representation Ch- 4 Legislature Ch-5 Executive
Book -2	Ch -1- Political Theory An Introduction Ch- 2 Liberty Ch – 3 Equality Ch-4 Justice

Syllabus for PT -3

Book -2	Ch-5 Rights Ch-6 Citizenship
Book -1	Ch – 6 Judiciary Ch – 7 Federalism

Annual Examination- Whole Term-II syllabus

Book -1	Full Course
Book-2	Full Course
	Practical file assessment for 20 marks

ECONOMICS

Month	Name of the Topics	Activity	Learning Outcome
April	Section B - Introductory MICRO Economics		
	Unit-4. Introduction Ch-1. Economy and Economics Ch-2. Central Problems of an Economy		Students will learn important Economic terms & concepts of PPC & MOC They will learn about the central problems
May	Section A- Elementary Statistics		
	Unit-1. Introduction Ch-1. Concepts of Economics and Significance of Statistics in Economics		Students will learn various methods of collection of data and classification of data
	Unit-2. Collection, organization, Presentation of data Ch-2. Collection of data		
July	Section B - Introductory MICRO Economics		
	Unit-5. Consumer Equilibrium and 'Theory of Demand' Ch-3. Utility Ch-4. Utility Ch-5. Consumer Equilibrium I.C. Ch-6. Theory of demand Price Elasticity of demand		Students will learn concepts of demand and consumer equilibrium.
August	Section A – Elementary Statistics		
	Unit 2. Collection, organization, Presentation of data Ch-4.		Students will learn, numerical application of formulae of mean, median, mode
	Unit-3. Organization of Data Ch-9. Statistical Tools and Interpretation Ch-10. Measures of Central Technology – Arithmetic mean Measures of Central Tendency-median, mode		
September	Unit-6. Producer Behaviour and Supply Ch-7. Production Function		Students will understand concepts of Production, Function
October	Section B - Introductory MICRO Economics		
	Unit-6 Producer Behaviour and Supply Ch-8 Concept of Cost Ch-9 Concept of Revenue Ch-10 Producer Equilibrium		Students will learn concept of Concept of Cost, Revenue and Producer Equilibrium
November	Section B – Introductory MICRO Economics		
	Unit-6. Producer Behaviour and Supply Ch-11 Theory of Supply Unit-7 Forms of Market and Price determination Ch-12 Forms of Market		Students will understand concepts of supply and Market Forms
December	Section A – Elementary Statistics		
	Unit-3. Statistical Tools and Interpretation Ch-12 Correlation Ch-13. Index Numbers		Students will understand concepts of Correlation and Index Numbers
	Section B – Introductory MICRO Economics		
	Unit-7. Forms of Market and Price determination Ch-12. Forms of Market		They will understand market

January	Section A – Elementary Statistics		
	Unit-2. Collection, organization, Presentation of data Ch-3. Census and Sample Methods Ch-5. Presentation of data- Textual and Tabular Presentation Ch-6. Diagrammatic Presentation of data-Bar diagrams and Pie charts Ch-7. Frequency diagrams – Histogram Polygon and Ogive Ch-8. Arithmetic Line graphs of Time Series graphs		Students will learn creative aspects of Presentation of data and Market Equilibrium
	Section B - Introductory MICRO Economics		
	Unit-7. Forms of Market and Price determination Ch-13. Market Equilibrium		

Syllabus for P1	:	Section-A : Elementary Statistics - Unit-1: Ch-1 , Unit-2. Ch-2
	:	Section-B : - Introductory Micro Economics Unit-4: Ch-1 , Ch-2
Syllabus for Half yearly	:	Section-A : Elementary Statistics - Unit-1: Ch-1 , Unit-2: Ch-2, 4 , Unit-3: Ch-9, 10 Section-B : Introductory Micro Economics - Unit-4: Ch-1 , 2 , Unit-5. Ch-3, 4, 5, 6
	:	Section-B : Introductory Micro Economics – Unit-6: Ch-07, Ch-08, Ch-09
Annual Exam	:	Complete Syllabus

Mathematics

Month	Chapter No. & Name	Learning outcomes: Students will be able to
APRIL 2023	9. Sequences and series	<ul style="list-style-type: none"> determine nth term / sum of n term of AP & GP
MAY 2023	3. Trigonometric Functions	<ul style="list-style-type: none"> find the values of trigonometric ratios in all quadrants
July 2023	5. Complex numbers 6. Linear inequalities	<ul style="list-style-type: none"> Learn the concept of an imaginary number and will be able to find unreal roots of a quadratic equation. able to solve algebraically and graphically
August 2023	7. Permutation & Combination	<ul style="list-style-type: none"> Learn the fundamental principle of counting and its applications
September 2023	8. Binomial Theorem	<ul style="list-style-type: none"> Learn the expansion of BT using Pascal's triangle
October 2023	10. Straight lines 11. Conic Sections	<ul style="list-style-type: none"> Learn the concept of slope of a line and various forms of equations of line Know the Conic Section and their standard equations / applications
November 2023	11. Conic Sections continued 12. 3 D Geometry 13. Limits & Derivatives	<ul style="list-style-type: none"> Learn the concept of 3D Geometry distance and section formula in 3D Understand derivatives as rate of change of a quantity wrt. other quantity
December 2023	15. Statistics 1. Sets 2. Relation & Function	<ul style="list-style-type: none"> Learn to calculate mean and standard deviations Learn the representation of sets and concept of Relations & Function
January 2024	16. Probability	<ul style="list-style-type: none"> Learn to find the probability of various events.
February 2024	Revision ANNUAL EXAMINATION	

PT-1	:	Chapter 3,5 and 9
Half yearly Exam	:	Chapters 3, 5, 6, 7, 8 and 9
PT-3	:	Chapters 10, 11, 12, 13
ANNUAL EXAM	:	Complete syllabus

Applied Mathematics

Month	Chapter Name	Learning Outcomes: Students will be able to
April	SEQUENCE AND SERIES	Determine general term of series in AP, Calculate sum of n terms of series. Determine general term of series in GP, Calculate sum of n terms.
	SETS	Apply the concept of Venn Diagram to understand the relationship between sets. Perform operations on sets to solve practical problems.
	RELATIONS	Explain the Definition of relation, example pertaining to relations in the real number system.
MAY	NUMBER THEORY	Conversion from decimal to binary system and vice versa.
JULY	LOGARITHM AND ANTILOGARITHM	Use logarithm in different applications. Express the problem in the forms of an equation and apply Logarithm/ Antilogarithm
	NUMERICAL APPLICATION	Determine Questions Related to Average , Clocks and Calendar , Time work and Distance , Mensuration
AUGUST	NUMERICAL APPLICATION(Contd.) PERMUTATION AND COMBINATION	Determine Questions Related to Seating Arrangement Apply the concept of permutation and combination with repetitions to solve problems.
SEPTEMBER	PROBABILITY (i) Conditional Probability (ii) Bayes' Theorem	Find sample space, identity between exhaustive events and exclusive events. To find probability of an events for simple problems.
OCTOBER	Coordinate Geometry STRAGHT LINE	Find Slope of line, Calculate angle between two lines. Use various forms of equation of line. Calculate distance between two parallel lines.
	CIRCLES PARABOLA	Solve problems based on applications of circle. Use Application in parabolic reflector, beam supported by wires at the end of the support, girder of a railways bridge, etc.
NOVEMBER	FUNCTION, LIMITS AND CONTINUITY DIFFERENTIATION	Define limit and continuity of a function. Solve problems based on the algebra of limits. Find the derivative of different types function.
DECEMBER	Descriptive Statistics	Calculate coefficient of Skewness and Kurtosis . Percentile and Quartile rank of scores in a given data set. Emphasis on application, analysis and interpreting the result of coefficient of correlation using practical examples.
	FINANCIAL MATHEMATICS SIMPLE INTEREST COMPOUND INTEREST	Interpret and Calculate simple interest and compound interest
JANUARY	FINANCIAL MATHEMATICS(contd) ANNUITY TAXATION	Apply the concept of annuity in real life situations. Explain rules under State Goods and Service Tax (SGST) Central Goods and Service Tax (CGST) and Union Territory Goods and Service Tax (UTGST).
	BILLS	To interpret and analyze electricity bills, water bills and other supply bills.

FEBRUARY	MATHEMATICAL AND LOGICAL REASONING	Determine Questions Related to . Odd Man Out . Syllogism . Blood Relation . Coding Decoding
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Name of the Examination	Chapter Name
Periodic Test 1	1.Sets And Relation 2.Sequence And Series 3. Numbers, Indices , Logarithm and Antilogarithm
Half Yearly Exam	1.Sets And Relation 2.Sequence And Series 3. Numbers Indices , Logarithm and Antilogarithm 4. . Numerical Application 5. Permutation and Combination 6. Probability
Periodic Test 3	1. Coordinate Geometry 2.Calculus (Functions)
Annual Examination	Complete Syllabus

Optional

Informatics Practices (065)

Month	Name of the Topics	Activity	Learning Outcome
April	Unit 1 : Introduction to Computer System : Hardware Components, : Software - purpose and types	Presentation to identify hardware and software components of a computer system.	Ability to identify the functionality and utility of various hardware and software components of Computer System.
May	Unit 2: Introduction to Python Basics of Python programming, Python interpreter - modes, 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 of expressions, comments, input /print statements, data type conversion, debugging, if-else, for loop.	Demonstration of Python IDLE interface and simple usage. Python applications to do simple calculations like perimeter, area, interest, etc. Python applications to do conditional and iterative problems.	Ability to develop application using simple python. Ability to develop application using conditional statement. Ability to use, develop & debug programs independently.
July	Periodic Test 1 Unit 2: Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(),sum()	Python applications to use lists. Periodic Test 1	Ability to use, develop & debug programs independently using grouped data.
August	Unit 2: Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()	Python applications to do use dictionary.	Ability to use, develop & debug programs independently using key-value pairs in dictionaries.
Sept	Revision Term 1 Th. & Prac. Exam.	Questionnaires	Recall topics learned.
October	Unit 3 : Database concepts and the Structured Query Language: (Database concepts and Relational data model: Concept of a database, relations, attributes and tuples, keys) Introduction to SQL, data types in MySQL.	Given a table, identify its various components. Creation of students' database.	Ability to identify various components of a DBMS. Ability to create database, store data using MySQL.

November	Data Definition Commands: CREATE, DROP, ALTER (Add and Remove primary key, attribute). Data Query Commands: SELECT-FROM- WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause Data Manipulation Commands: INSERT, UPDATE, DELETE.	Application of various SQL commands on students' database.	Ability to manipulate data stored in databases.
December	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.	A movie to be prepared discussing various Emerging trends in the fields of Information Technology and their applications.	Ability to identify the Emerging trends in the fields of Information Technology and their applications.
Jan	EXTRA PORTION : Data Handling using NumPy Annual Examination (Practical & Theory)	Python applications to create and manipulate arrays.	Ability to represent and use data using arrays.
Syllabus for P1		Chapter 1	
Syllabus for Term 1		Chapter 1, 3, 4	
Syllabus for P2		Chapter 2, 7	
Syllabus for Annual Exam		Chapter 1, 2, 3, 4, 7, 8	

Artificial Intelligence

Text Book :

1. **Employability Skill Recommended by NCERT**
2. **AI Material by CBSE**

Month	Name of the Topics	Learning Outcome
April	Unit 1: Introduction (knowledge)	Knowledge – Define AI and ML Comprehension – What are the AI products/ applications in society and how are they different from non-AI products/ applications? Evaluation – What kind of jobs may appear in the future?
May	Unit 6: Critical and Creative thinking (Skills)	Skill – Understanding the problem and being able to express the same Creativity – To be able to develop/innovate from design a solution
	Unit 1: Communication Skills-III	Skill- enhance the communication skill
July	Unit 1: Introduction (knowledge)	Knowledge – Define AI and ML Comprehension – What are the AI products/ applications in society and how are they different from non-AI products/ applications? Evaluation – What kind of jobs may appear in the future?
	Unit 6: Critical and Creative thinking (Skills)	Skill – Understanding the problem and being able to express the same Creativity – To be able to develop/innovate from design a solution
	Unit 1: Communication Skills-III	Skill- enhance the communication skill
August	Unit 2: AI Applications and Methodologies (Introduction) (Knowledge)	Knowledge – Where can AI be applied (like in the field of Computer vision, Speech, Text, etc.), What is deep learning? Comprehension – How AI will impact our society Analysis – How should we get ready for the AI age (future)
	Unit 3: Maths for AI (Recap) (Knowledge)	Comprehension – Linear Algebra, Statistics, Basics of Graphs and Set theory Application – Application of Math in AI Synthesis – Representing data in term of mathematical formula
	Unit 2: Self-management Skills-III	Skill- enhance the management skill
September	Unit 4: AI Values (Ethical decision making) (Values)	Knowledge – Ethics, Bias, Impacts of bias on society Application – Spot issue in data, Make arguments, Apply rules
	Unit 2: Self-management Skills-III	Skill- enhance the management skill
	Revision	

October	Unit 5: Introduction to story telling (Skills)	Skill – Imagination, mapping the plot into key events increasing memory retention. Application- Helping in creating blogs, videos, and other content.
	Unit 7: Data Analysis (Computational thinking) (Skills)	Knowledge – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. Application – Representing data in terms of graphs, statistical models Synthesis – To be able to represent a simple problem in terms of numbers
	Unit 3: Information and Communication Technology Skills-III	Skill- enhance the Information and Communication Technology skill
November	Unit 5: Introduction to story telling (Skills)	Skill – Imagination, mapping the plot into key events increasing memory retention. Application- Helping in creating blogs, videos, and other content.
	Unit 7: Data Analysis (Computational thinking) (Skills)	Knowledge – Types of structured data, statistical principals – frequency tables, mean, median, mode, range, etc. Application – Representing data in terms of graphs, statistical models Synthesis – To be able to represent a simple problem in terms of numbers
	Unit 3: Information and Communication Technology Skills-III	Skill- enhance the Information and Communication Technology skill
December	Unit 8: Regression (Knowledge)	Knowledge – Correlations, Regression, and other related terms Applications – Being able to relate data with regression and correlation. Everyday applications of these mathematical concepts.
	4. Unit 4: Entrepreneurial Skills-III	Skill- enhance the Entrepreneurial skill
January	Unit 9: Classification& Clustering (Knowledge)	Knowledge – What is classification and its types, what kind of problems may be placed under the category of a classification problem Applications – Where to apply classification principals Analysis – Impact of the application of incorrect algorithms on society
	Unit 10: AI Values (Bias awareness) (Values) Evaluation – Biases in data, how	Knowledge – What is ethics, Impact of ethics on society, the impact of bias on AI functioning (Values) Evaluation – Biases in data, how to de-bias or neutralize the biased data Application – Finding bias in acquired dataset
	Unit 5: Green Skills-III	Skill- enhance the Green skill
Feburary	Unit 9: Classification& Clustering (Knowledge)	Knowledge – What is classification and its types, what kind of problems may be placed under the category of a classification problem Applications – Where to apply classification principals Analysis – Impact of the application of incorrect algorithms on society
	Unit 5: Green Skills-III	Skill- enhance the Green skill

Periodic Test 1 :

Part A:

Unit 1 : Communication Skills-III

Part B:

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Half Yearly Theory Examination

Part A:

Unit 1 : Communication Skills-III

Unit 2 : Self-Management Skills-III

Part B:

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Unit 4: AI Values (Ethical Decision Making)

Half Yearly Practical Examination

Unit 3: Maths For AI

Unit 6: Critical & Creative Thinking

Periodic Test 3 :

Part A:

Unit 3 : ICT Skills-III

Part B:

Unit 5: Introduction To Storytelling

Annual Exam (Theory)

Part A:

Unit 1 : Communication Skills-III

Unit 2 : Self-Management Skills-III

Unit 3 : ICT Skills-III

Unit 4 : Entrepreneurial Skills-III

Unit 5 : Green Skills-III

Part B:

Unit 1: Introduction To AI

Unit 2: AI Applications & Methodologies

Unit 4: AI Values (Ethical Decision Making)

Unit 5: Introduction To Storytelling

Unit 8: Regression

Annual Exam (Practical)

Unit 3: Maths For AI

Unit 6: Critical & Creative Thinking

Unit 7: Data Analysis (Computational Thinking)

Unit 9: Classification & Clustering

Unit 10: AI Values (Bias Awareness)

FINE ARTS-PAINTING (THEORY)

Month	Name of the Topic	Activity	Learning Outcome
May, June and July	An introduction to Art Fundamentals of Art	Identify the Colours Make the Colour Wheel	A Theory (History of Indian Art) The objective of including the History of Indian Art for the students is to familiarize them with the various styles and modes of art expressions from different parts of India. This would enrich their vision and enable them to appreciate and develop an aesthetic sensibility to enjoy the beauty of nature and life. The students will also have an opportunity to observe and study the evolution of its mutations and synthesis with other style and the rise of an altogether new style. The students should be made aware of art as a human experience. The teachers should be able to expose them to the wide range of artistic impressions, the media and the tools used. The history of Indian art is a long one. Hence the students would be acquainted with brief glimpses of the development of Indian visual art as are required for concept formation. Examples included in the course of study are selected because of their aesthetic qualities and are intended purely as guidelines.
August	Pre-Historic Rock Paintings and Art of Indus Valley (2500 B.C TO 1500B.C)	Identify the Picture of different Art Styles	
September	Buddhist, Jain, and Hindu Art (3 rd Century B.C to 8 th Century A.D)	Develop PPT	
October	Introduction to Ajanta Study of Paintings and Sculptures of Ajanta Caves	To document difference between Painting & Sculpture	
November	Temple Sculpture, Bronzes and Artistic Aspects of Indo-Islamic Architecture)	Develop Charts	
December	Study of Temple Sculpture (7 th , 8 th and 9 th Century A.D)	Identify the Picture of Different Art Styles	
January	Study of Temple Sculpture (10 th -13 th Century A.D) Indian Bronzes	Develop PPT	
February	Artistic Aspects of Indo-Islamic Architecture	Identify the Picture of different Art Styles	

Term Wise Syllabus Painting Class 11

Syllabus for P1:	An introduction to Art Pre-Historic Rock Paintings And Art of Indus Valley (2500 B.C to 1500 B.C)
Syllabus for P2:	Buddhist, Jain and Hindu Art (3 rd Century B.C to 8 th Century A.D) Introduction to Ajanta, Study of Paintings and Sculptures of Ajanta Caves
Syllabus for Half Yearly:	Pre-Historic Rock Paintings and Art of Indus Valley (2500 B.C to 1500 A.D) Buddhist, Jain, Hindu Art (3 rd Century B.C to 8 th Century A.D) Introduction to Ajanta, Study of Paintings and Sculptures of Ajanta Caves, Temple Sculpture, Bronzes and Artistic Aspects of Indo-Islamic Architecture
Syllabus for P3:	Study of Temple Sculpture (7 th to 10 th -13 th Century A.D)
Syllabus for Annual Exam	Complete Syllabus

Subject: FINE ARTS-PAINTING (Practical) Class 11th

Month	Name of the Topic
July	Nature and Object Study
August	Nature and Object Study
September	Nature and Object Study
October	Painting-Composition
November	Painting-Composition
December	Painting-Composition
January	Portfolio Assessment
February	Portfolio Assessment

Physical Education**TERM - 1
Distribution of Theory Marks**

Sr. No.	Chapter Name	Marks
1	Changing trend and career in physical education	
2	Olympic value education	
3	Physical fitness, Wellness and Lifestyle.	
4	Phudical education & sports for CWSN	
5	Yoga	
	Total	35

Distribution of Practical Marks

Topic	Marks
Physical Fitness (AAHPER), 60 m, 600 m yard/Run, Standing broad jump, Shuttle run.	10
Practical File	3
Viva	2
Total	15

SNO.	TEST / EXAM	UNIT/ CHAPTER(S)
1.	PT1	CHAPTER 1
2.	PT2	CHAPTER 2 & 3
3.	TERM1	CHAPTER 1,2,3,4 & 5

TERM - 2

Distribution of Theory Marks

Sr. No.	Chapter Name	Marks
1	Physical activity and leadership training.	
2	Test, Measurement and evaluation.	
3	Fundamentals of Anatomy, Physiology & kinesiology in sports.	
4	Psychology and sports.	
5	Training and Doping in sports.	
	Total	35

Distribution of Practical Marks

Topic	Marks
Physical Fitness (AAHPER), 60 m, 600 m yard/Run, Standing broad jump, Shuttle run.	10
Practical File	3
Viva	2
Total	15

SNO.	TEST / EXAM	UNIT/ CHAPTER(S)
1.	PT3	CHAPTER - 6 & 7
2.	TERM2	CHAPTER - 1 to 10

Home Science

Month	Unit/Chapters	Activities	Learning Outcomes
July	Unit I Chapter 1 Introduction to Home Science	AIL- Power point presentation Flow Chart Socratic test.	The students will be oriented about the subject and its scope in life and as a career. Competencies and skills enhanced: -Understanding of the content. Credibility - Creative thinking - Empathy.
July	Unit II Chapter 2 Understanding Oneself: Adolescence.	AIL- Class discussion: Why is Adolescence a period of stress and storm? Activity- Record own emotions for a day in different contexts and reflect on the why of these emotions and ways of handling them. Children were introduced the topic by showing some video and telling	Competencies and skills enhanced- - Critical thinking - efficiency. -Understanding - Critical thinking - Evaluation of the situation and relating it to the context. This will help in exploration

		short stories related to the topic	
August	Unit 2 Ch 3- Food Nutrition, health and fitness	AIL- Power point presentation. To make a food pyramid and use it to make a balanced diet for yourself. To understand the basic food groups with the help of a chart and a video. Socratic test.	The learner will be able to share and relate real life eating habits and make a diet plan for themselves.
August	Chapter 4- Management of resources.	AIL 1.Socratic test 2. Make a plan for a farewell party to be given to grade 12 by using principles of management of resources. And present it in the form of power point presentation.	Competencies and skills enhanced- Efficiency Understanding Critical ability Analytical skills. Credibility. The students will be able to relate the content with real lifesituations.
October	Chapter 5- Fabrics around us.	AIL 1.Demonstration of different fabrics to understand fibres and weaves. Practical: To identify the thermal property flammability. To draw various weaves on graph paper.	Competencies and skills enhanced- Efficiency Understanding Critical ability Analytical skills. Credibility. INVESTIGATION Learning by doing.
November	Chapter 6 Media and Communication Technology	AIL - Audio and video taken as a tool for making the learner understand different methods of communication. To make a chart of different communication methods on the basis of senses involved.	Competencies and skills enhanced- Efficiency Understanding Critical ability Analytical skills. Credibility. INVESTIGATION Learning by doing. Communication skills.
December	Chapter 7 Survival, growth and Development.	AIL Audio video presentation. Class Discussion on- Identify at least 5-6 key indicators that you think are important for health and see how India ranks among the various countries in the world.	Competencies and skills enhanced Learning by doing Critical analysis. Efficiency Empathy. Credibility. Creative skills.

January	Chapter 8 Nutrition, Health and Well-being	AIL 1.Socrative Quiz. 2.Make a chart of different activities performed by children and classify them on the basis of different types of development Lecture. Explanation of the concept. Various examples to be given Flow charts/ Class discussion.	Competencies and skills enhanced Learning by doing Critical analysis. Efficiency Credibility. Creative skills. Investigatory skills Application of the concept. The students will be able to learn the skill of cooking and presentation of food.
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Periodic Test-1	Chapter 1(Introduction to Home Science Subject) Chapter-2(Understanding Oneself)
Term-1	Chapter 1(Introduction to Home Science Subject) Chapter-2(Understanding Oneself) Chapter-3(Food Nutrition ,health and fitness) Chapter-4 (Management of resources)
Periodic Test-2	Chapter-5 (fabric Around us) Chapter 6 (Media and Communication Technology)
Annual Examination	Entire Syllabus

Psychology

Month	Chapter	Activity	Learning Outcome
April-May	Ch – 1. Introduction to Psychology	Activity of Misconceptions of Psychology	Ch-1. Interest in the new subject is generated and the basic content of the discipline is known
July	Ch – 2. Methods in Psychology	Activity on Survey Method	Ch-2. The challenging subject content requires various types of methods to study it. These methods will become familiar
August	Ch – 4. Human Development. <u>Practical Project work</u> to be given in the festive break	Activity on Different stages of life	Ch-4. Human development follows a definite pattern. Each stage of life has special developmental task as well as challenges. Each stage right

			from prenatal to old age will be understood.
September	Ch – 5. Sensory and Perceptual <u>Experiment No. 1: Mirror Drawing</u>	PTI on Visual Illusions, Attention Span	Ch-5. Students will learn how perception goes beyond sensation. Various factors influencing sensation perception and illusion will be clear.
October	Ch – 6. Learning <u>Experiment No. 2: Span of attention</u>	Activity on reinforcements used in daily life Activity on transfer of training	Ch-6. The concept of learning, various fundamental theories influencing it will be understood
November	Ch – 7. Memory	Memory Reconstruction activity, Anxiety Test	Ch-7. Students will learn about the various factors that influence our memory processes as well as forgetting
December	Ch – 8. Thinking	Activity on creativity	Various types of thinking will be grasped and the cognitive processes behind them will be understood.
January	Ch – 9. Motivation and Emotion	Role play on the various theories of motivation and emotion	Students will learn to enhance their positive emotions and manage their negative emotions in the real life
February	Revision		

Syllabus for PT-1	Chapter No. 1, 2
Syllabus for Half Yearly Examination	Chapter Nos. 1, 2, 4, 5
Syllabus for PT-3	Chapter Nos. 1, 2, 3, 4, 5, 6, 7
Syllabus for Annual Examination	Complete Syllabus 1, 2, 3, 4, 5, 6, 7, 8, 9