

Term-2 Syllabus

2020-2021

CLASS XI-A, B,C

SCIENCE

NOTE:

Final Exam comprises Term 1 and Term 2 Syllabus.

ENGLISH CORE

Prescribed Books-1. Hornbill (NCERT)

2. Snapshots (NCERT)

Month	Name of the Topic	Activity	Learning Outcomes
October	Hornbill: 5. The Ailing Planet: the Green Movement's Role 6. The Browning Version		<ul style="list-style-type: none">• Identifying the social issues raised• Learning to select correct interpretations and solutions to conceptual problems

	<p>Snapshots:</p> <p>4. Albert Einstein at School</p> <p>Letter to the School/College Authorities, Letter for placing orders, Advertisement (Display), Integrated Grammar Practice</p>		
November	<p>Hornbill:</p> <p><i>Childhood</i></p> <p>Snapshots:</p> <p>5. Mother's Day</p> <p>Integrated Grammar Practice</p>		<ul style="list-style-type: none"> Analyzing plays for their structure and meaning, using correct terminology
December	<p>Hornbill:</p> <p>8. Silk Road</p> <p>Integrated Grammar Practice</p>		<ul style="list-style-type: none"> Developing greater confidence and proficiency in the use of language skills
January	<p>Snapshots:</p> <p>7. Birth</p>		<ul style="list-style-type: none"> Analyzing and extrapolating the ideas
February	Revision		

PHYSICS

Month	Name of the Topic	Activity	Learning Outcomes
OCTOBER	Chapter–8: Gravitation Chapter–9: Mechanical Properties of Solids	9. To determine refractive index of a glass slab using a travelling microscope.	Students have knowledge of variation in gravitational acceleration. Students can explain the phenomena of viscosity, surface tension and elasticity.
NOVEMBER	Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter	10. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.	Students can solve the problems related to mechanical properties of fluids.
DECEMBER	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory	11 To study the relation between frequency and length of a given wire under constant tension using sonometer	Students can solve the problems related to first and second law of thermodynamics. Students have knowledge of RMS speed and average speed of gas molecule.
JANUARY	Chapter–14: Oscillations and waves	12 To study the relation between the length of a given wire and tension for constant frequency using sonometer.	Students can calculate time period of simple pendulum and spring. Students have knowledge of different type of waves, beats and Doppler effect of sound.
FEBRUARY	Revision		

CHEMISTRY

Month	Name of the Topic	Activity	Learning Outcome
October	Unit 7 – Equilibrium Unit 8 – Redox reactions	Introduction to volumetric analysis (Acid base titration)	Unit 7 –Knowledge of characteristics of equilibria involved in physical and chemical processes and theories related to acids and bases. Unit 8 –Knowledge of mechanism of redox reactions and balancing of chemical equations.
November	Unit 9 – Hydrogen Unit 10 – The s-block elements	Introduction to volumetric analysis (Acid base titration) continued.	Unit 9 –Knowledge of chemistry and applications of Dihydrogen,Hydrides,Water,Hydrogen peroxide and heavy water. Unit 10 –Knowledge of general characteristics and periodic trends of group 1 and 2 elements.
December	Unit 11 – The p-block elements Unit 12 – Principles of organic chemistry	-Qualitative (Salt) analysis	Unit 11—Knowledge of general characteristics and periodic trends of group 13 and 14 elements. Unit 12 –Knowledge of IUPAC Nomenclature, concept of organic reaction mechanism and influence of electronic displacements on structure and reactivity of organic compounds.
January	Unit 13 – Hydrocarbons	-Qualitative (Salt) analysis	Unit 13 –To learn about various methods of preparation of Hydrocarbons and to be able to

	Unit 14 –Environmental Chemistry (<u>Entire chapter is deleted</u>)	Continued.	distinguish between alkanes, alkenes, alkynes and aromatic hydrocarbons on the basis of physical and chemical properties.
February	Overall revision for Annual Examination		

BIOLOGY

Month	Name of the Topic	Activity	Learning Outcomes
October	Ch.10. cell division	To study Mitosis in onion root tip.	Students will be able to solve problems related to inheritance of characters and variations in progenies
	Ch 13. Photosynthesis in plants	To separate Plant pigment Through Paper Chromatography.	Students will demonstrate an understanding of the Anabolic process (Photosynthesis) through small experiments.
November	Ch.14.Respiration in Plants		Students will understand the difference in aerobic and anaerobic pathway of oxidation of food.
	Ch 15. Plant growth and development	Study of distribution of stomata in the	Students will relate the Phytohormones with growth and development in plants .

		upper and lower surface of leaves.	
December	Ch.17.Breathing and exchange of gases	Study of rate of respiration in flower bud, leaf tissue and seeds.	Students recognize the different air volumes in our body besides normal breathing.
	Ch .18. Body Fluid and circulation		Students will be able to explain the importance of double circulation in Humans. Composition and function of Blood will be clear.
	Ch 19 Excretion	Tests for Sugar ,andalbulin in urine.	Students will find the importance of kidneys and osmoregulation in our body .
January	Ch. 20 Locomotion and movement		Students will generalize the muscle structure and its functioning
	Ch 21. Neural control and coordination		Students will interpret the nerve impulse conduction , functioning of brain and spinal cord.
February	Ch 22. Chemical control and Regulation		Relate process and phenomenon with cause, eg. Hypo and Hypersecretion of Hormone causes a particular disease.

MATHEMATICS

MONTH	CHAPTER	LEARNING OUTCOME
October	Chapter10: Straight Lines	Enable students to find various forms of equations.
	Chapter 12:Introduction to three dimensional Geometry	Enable students to find distance between two points In three dimensions.
November	Chapter 11: Conic sections	To make them learn about conic section.
December	Chapter 13: Limits and Derivatives	Enable students to find derivatives of various functions.
	Chapter 14: Statistics	Enable students to find mean deviation, variance and standard deviation.
January	Chapter15: Probability	To make them understand the different concepts of probability.
	Chapter1: Sets	Enable students to understand various types of sets.
Feburary	Chapter 2: Relations and Functions	Enable students to understand Relations and Functions.
	Revision	

OPTIONAL

A. PSYCHOLOGY

Month	Name of the Topics	Activity	Learning Outcome
October	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.
Nov	Ch – 5. Sensory and Perceptual <u>Experiment No. 1:</u> (If situation is still grim then test can be done)	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.
December	Ch – 6. Learning <u>Experiment No. 1:</u> (If s still grim then test can be done)	Activity on reinforcements used in daily life	Ch-6. The concept of learning , various fundamental theories influencing it will be understood.

January	Ch – 6. Learning continued. Psycho Metric Test No. 2	Activity on transfer of training	Various determinants of learning will be grasped.
February	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
February	Psychometric Test/Experiment 3 and Revision	Conduction and Interpretation of test	Students will get a first hand experience of how a Psychometric test functions

B. INFORMATICS PRACTICES

Month	Name of the Topics	Activity	Learning Outcome
October	Chapter 2 (Unit 4): Introduction to the Emerging Trends - Complete	Article writing on any one emerging trends.	Identify the Emerging trends in the fields of Information Technology.
November	Chapter 3 (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,	Development of programs to solve simple programs	Ability to identify different data types in Python and tokens.

December	Chapter 3 (Unit 2): statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging. Control Statements: if-else, for loop Chapter 4 (Unit 2):Lists- list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.	Python applications to solve conditional and iterative problems.	Ability to use, develop & debug programs independently.
January	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions. Chapter 5 : Introduction to data concepts Chapter 6 : Introduction to NUMPY.	Project development.	Ability to develop a project.

C. PHYSICAL EDUCATION

Month	Name of the Topic	Activity	Learning Outcomes
October	Unit VI Physical Activity & Leadership Training	<ul style="list-style-type: none"> • Skill of Swimming 	<ul style="list-style-type: none"> • To know about Measurement
November	Unit VII Test, Measurement & Evaluation	<ul style="list-style-type: none"> • Skill of Table Tennis, 	<ul style="list-style-type: none"> • About Anatomy ,Physiology

			&Kinesiology
December	Unit – VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports.	<ul style="list-style-type: none"> • Skill of Tennis 	<ul style="list-style-type: none"> • To know about psychology
January	Unit IX Psychology & Sports	<ul style="list-style-type: none"> • Maze Learning 	<ul style="list-style-type: none"> • To know about Training
February	Unit X Training & Doping in sports	<ul style="list-style-type: none"> • Calculation of Body Mass Index (BMI) 	<ul style="list-style-type: none"> • Doping

D. PAINTING

Month	Name of the Topic	Activity	Learning Outcomes
October	Introduction to Ajanta Study of Paintings and Sculptures of Ajanta Caves	To document difference between Painting & Sculpture	A Theory (History of Indian Art) The objective of including the History of Indian Art for the students is to familiarise 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
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)	Develop PPT	

	Indian Bronzes		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.
February	Artistic Aspects of Indo-Islamic Architecture	Identify the Picture of different Art Styles	

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

Month	Name of the Topic
October	Painting-Composition
November	Painting-Composition
December	Portofolio Assessment

January	Portofolio Assessment
February	Portofolio Assessment

E. HOME SCIENCE

Month	Name of the Topic	Activity	Learning Outcomes
October	Chapter-3,6,8 Chapter-3: Food , Nutrition , Health and Fitness Chapter-6: Media and Communication Technology Chapter-8: Living and Working in a Global Society	List and discuss 5 messages from print which have influenced own self.	<ul style="list-style-type: none"> • Understand the functions of food, nutrition, food preservation and health. • Develop high values and ethics.
November	Unit-2 Understanding Family, Community and Society Chapter-10,11 Chapter-10: Concern and needs in diverse context Chapter-11: Survival Growth and Development	Observation of any 2 children of different families in the neighborhood.	<ul style="list-style-type: none"> • Equipped to face the challenges of the real life situations
December	Unit-3 Childhood Chapter-12,14,15 Chapter-12: Nutrition, Health and Well Being Chapter-15: health and wellness Chapter-14: Our Apparel	Documentation of a traditional textile art.	<ul style="list-style-type: none"> • Students will be able to describe the steps to promote good health and wellness. • Students will learn about the importance of Textile Finishing.
January	Chapter-16,17 Chapter-16: Financial Management and Planning Chapter-17 : Care and Maintenance of Fabric	Study of labels on Food, Fabric and apparels.	<ul style="list-style-type: none"> • They will understand the importance of saving and investment. • They will learn the care of different fabric

Term-2 Syllabus

2020-2021

Syllabus

CLASS XI-D,E,F

COMMERCE

NOTE:

Final Exam comprises Term 1 and Term 2 Syllabus.

ENGLISH CORE

Prescribed Books-1. Hornbill (NCERT)

2. Snapshots (NCERT)

Month	Name of the Topic	Activity	Learning Outcomes
October	Hornbill: 5. The Ailing Planet: the Green Movement's Role 6. The Browning Version Snapshots: 4. Albert Einstein at School Letter to the School/College Authorities, Letter for placing orders, Advertisement (Display), Integrated		<ul style="list-style-type: none">• Identifying the social issues raised• Learning to select correct interpretations and solutions to conceptual problems

	Grammar Practice		
November	Hornbill: <i>Childhood</i> Snapshots: 5. Mother's Day Integrated Grammar Practice		<ul style="list-style-type: none"> Analyzing plays for their structure and meaning, using correct terminology
December	Hornbill: 8. Silk Road Integrated Grammar Practice		<ul style="list-style-type: none"> Developing greater confidence and proficiency in the use of language skills
January	Snapshots: 7. Birth		<ul style="list-style-type: none"> Analyzing and extrapolating the ideas
February	Revision		

ECONOMICS

Section A: Elementary Statistics (Units 2-3)

Section B: Introductory Microeconomics (Units 6-7)

Month	Unit	Name of the Topic	Activity	Learning Points
October	3	(Section A)- Statistical Tools & Interpretation Chapter 10- Measures of Central Tendency- Median and Mode	Practical sums	Understanding Formulae- Median & Mode
	6	(Section-B)- Producer Behaviour & Supply Chapter 7-Production Function and Returns to a factor Chapter 8-Concepts of Cost	Usage of examples, Diagrams & Numericals	Students will understand ' Law of Variable Proportions' & 'Concepts of Cost'

		Chapter 9-Concept of Revenue (Introduction)	Objective type questions & Diagrams	Students will learn' concepts of Revenue'
November	6	Producer behavior & Supply-(Section-B) Chapter 9-Concept of Revenue (To be continued) Chapter 10-Theory of Supply	Schedules and Diagrams Project work	To understand- Law of Supply
	3	Statistical Tools and Interpretation Chapter 11-Measures of Dispersion		Formulae of standard deviation
		(Section-B)	Examples and	To understand

December	7	Forms of Market & Price Determination under Perfect competition Chapter 11-Forms of Market Chapter 12-Market Equilibrium under Perfect Competition	Diagrams	Features of perfect competition
	3	Statistical Tools & Interpretation-(Section A) Chapter 12-Correlation Chapter 13-Index Numbers	Application of formulae	Practical sums- Correlation Index Numbers
January-2021	2	Collection'Organisation& Presentation of data(Section A) Chapter3-Census & Sample Method Chapter5- Tabular Presentation Chapter 6-Diagrammatic Presentation Chapter 7-Frequency		

		Diagrams Chapter 8-Time Series Graphs		
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ACCOUNTANCY

MONTH	TOPIC	LEARNING OUTCOMES
OCTOBER	<p>Depreciation, Reserve and Provisions</p> <p>Accounting for Bills of Exchange:</p> <p>Bill of exchange and Promissory Note: - Definition, Features, Parties. Terms in bills of exchange Accounting Treatment of bills of exchange</p> <p>Recording of transactions: Subsidiary Books: - Purchase Book, Sales Book, Purchases Return Book, Sales Return Book</p> <p>Trial Balance and Rectification of Errors: Trial balance: objectives and preparation.</p>	<p>After going through this unit, the students will be able to:</p> <p>Appreciate the need for creating reserves and also making provisions</p> <p>Acquire the knowledge of using bills of exchange and promissory notes for financing business transactions. State the meaning of different terms used in bills of exchange. Explain the method of recording of bill transaction.</p> <p>Develop the skill of preparing various subsidiary books</p> <p>State the need and objectives of preparing trial balance Develop the skill of preparing trial balance.</p>
NOVEMBER	<p>Errors Types of errors</p> <p>Detection and rectification of errors Preparation of Suspense Account</p> <p>Revision for P – 3</p>	<p>Understand the meaning of different types of errors Develop the skill of identification and location of errors and their rectification and preparation of suspense account.</p>

<p>DECEMBER</p>	<p>Financial Accounting – II Financial Statement of Sole Proprietor ship: From complete and Incomplete records Financial Statements: Receipts and Expenditure: Revenue Receipts and Capital Receipts, Capital expenditure, Revenue expenditure and Deferred Expenditure</p> <p>Objective and importance: - Trading and Profit and Loss Account Preparation. Balance Sheet: need, Preparation. Adjustments in preparation of financial statements</p> <p>Preparation of Trading and Profit and Loss account and Balance Sheet of a Sole proprietorship with adjustment.</p>	<p>State the meaning of Financial Statement, Distinguish receipts and expenditure of revenue nature and capital nature.</p> <p>Develop the skill of preparing Trading and Profit and Loss Account Explain the need for preparing balance sheet. understand the technique of marshalling of assets and liabilities. Develop the understanding and skill to do adjustment for items and their presentation in financial statements.</p>
<p>January</p>	<p>Incomplete Records Features, Limitations. Ascertainment of profit/loss by statement of affairs method. Computers in accounting: Introduction to computer and accounting information system, Introduction to computers (elements, capabilities, limitations of computer system) Automation of accounting process: meaning.</p>	<p>Develop the understanding and skill of computation of profits /Loss using the statement of affairs method.</p> <p>State the meaning of a computer, describe its components, capabilities and limitations.</p> <p>Appreciate the need for use of computers in accounting .</p>

BUSINESS STUDIES

Month	Name of the Topic	Activity	Learning Outcome
October	Ch-7. Sources of Business Finance	<ul style="list-style-type: none">• Class Discussion	<ul style="list-style-type: none">• A detailed study about long term and short term sources of finance
November	Ch-8. Small Business	<ul style="list-style-type: none">• Project work	<ul style="list-style-type: none">• Importance of small business in India.
December	Ch-9. Internal Trade / Revision	Case study & HOTS	<ul style="list-style-type: none">• Various forms of Internal Trade
January	Ch-10. International Business	Case study & HOTS	<ul style="list-style-type: none">• Features and importance of International business
February	Revision of the whole syllabus & Project Work		

OPTIONAL

A. PSYCHOLOGY

Month	Name of the Topics	Activity	Learning Outcome
October	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.
Nov	Ch – 5. Sensory and Perceptual <u>Experiment No. 1:</u> (If situation is still grim then test can be done)	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.
December	Ch – 6. Learning <u>Experiment No. 1:</u> (If s still grim then test can be done)	Activity on reinforcements used in daily life	Ch-6. The concept of learning , various fundamental theories influencing it will be understood.
January	Ch – 6. Learning continued. Psycho Metric Test No. 2	Activity on transfer of training	Various determinants of learning will be grasped.
February	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
February	Psychometric Test/Experiment 3 and Revision	Conduction and Interpretation of test	Students will get a first hand experience of how a Psychometric test functions

B. INFORMATICS PRACTICES

Month	Name of the Topics	Activity	Learning Outcome
October	Chapter 2 (Unit 4): Introduction to the Emerging Trends - Complete	Article writing on any one emerging trends.	Identify the Emerging trends in the fields of Information Technology.
November	Chapter 3 (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,	Development of programs to solve simple programs	Ability to identify different data types in Python and tokens.
December	Chapter 3 (Unit 2): statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging. Control Statements: if-else, for loop Chapter 4 (Unit 2):Lists- list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.	Python applications to solve conditional and iterative problems.	Ability to use, develop & debug programs independently.
January	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions. Chapter 5 : Introduction to data concepts Chapter 6 : Introduction to NUMPY.	Project development.	Ability to develop a project.

C. PHYSICAL EDUCATION

Month	Name of the Topic	Activity	Learning Outcomes
October	Unit VI Physical Activity & Leadership Training	<ul style="list-style-type: none">• Skill of Swimming	<ul style="list-style-type: none">• To know about Measurement
November	Unit VII Test, Measurement & Evaluation	<ul style="list-style-type: none">• Skill of Table Tennis,	<ul style="list-style-type: none">• About Anatomy ,Physiology & Kinesiology
December	Unit – VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports.	<ul style="list-style-type: none">• Skill of Tennis	<ul style="list-style-type: none">• To know about psychology
January	Unit IX Psychology & Sports	<ul style="list-style-type: none">• Maze Learning	<ul style="list-style-type: none">• To know about Training
February	Unit X Training & Doping in sports	<ul style="list-style-type: none">• Calculation of Body Mass Index (BMI)	<ul style="list-style-type: none">• Doping

D. PAINTING

Month	Name of the Topic	Activity	Learning Outcomes
October	Introduction to Ajanta Study of Paintings and Sculptures of Ajanta Caves	To document difference between Painting & Sculpture	A Theory (History of Indian Art) The objective of including the History of Indian Art for the students is to familiarise them with the various
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	<p>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.</p>
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	

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

Month	Name of the Topic
October	Painting-Composition
November	Painting-Composition
December	Portofolio Assessment
January	Portofolio Assessment
February	Portofolio Assessment

E. HOME SCIENCE

Month	Name of the Topic	Activity	Learning Outcomes
October	Chapter-3,6,8 Chapter-3: Food , Nutrition , Health and Fitness Chapter-6: Media and Communication Technology Chapter-8: Living and Working in a Global Society	List and discuss 5 messages from print which have influenced own self.	<ul style="list-style-type: none">• Understand the functions of food, nutrition, food preservation and health.• Develop high values and ethics.
November	Unit-2 Understanding Family, Community and Society Chapter-10,11 Chapter-10: Concern and needs in diverse context Chapter-11: Survival Growth and Development	Observation of any 2 children of different families in the neighborhood.	<ul style="list-style-type: none">• Equipped to face the challenges of the real life situations
December	Unit-3 Childhood Chapter-12,14,15 Chapter-12: Nutrition, Health and Well Being	Documentation of a traditional textile art.	<ul style="list-style-type: none">• Students will be able to describe the steps to promote good health and wellness.

	Chapter-15: health and wellness Chapter-14: Our Apparel		<ul style="list-style-type: none"> Students will learn about the importance of Textile Finishing.
January	Chapter-16,17 Chapter-16: Financial Management and Planning Chapter-17 : Care and Maintenance of Fabric	Study of labels on Food, Fabric and apparels.	<ul style="list-style-type: none"> They will understand the importance of saving and investment. They will learn the care of different fabric

F. MATHEMATICS

MONTH	CHAPTER	LEARNING OUTCOME
October	Chapter10: Straight Lines	Enable students to find various forms of equations.
	Chapter 12:Introduction to three dimensional Geometry	Enable students to find distance between two points In three dimensions.
November	Chapter 11: Conic sections	To make them learn about conic section.
December	Chapter 13: Limits and Derivatives	Enable students to find derivatives of various functions.
	Chapter 14: Statistics	Enable students to find mean deviation, variance and standard deviation.
January	Chapter15: Probability	To make them understand the different

		concepts of probability.
	Chapter1: Sets	Enable students to understand various types of sets.
Feburary	Chapter 2: Relations and Functions	Enable students to understand Relations and Functions.
	Revision	

Term-2 Syllabus

2020-2021

Syllabus

CLASS XI-G

HUMANITIES

NOTE:

Final Exam comprises Term 1 and Term 2 Syllabus.

ENGLISH CORE

Prescribed Books-1. Hornbill (NCERT)

2. Snapshots (NCERT)

Month	Name of the Topic	Activity	Learning Outcomes
October	Hornbill:		<ul style="list-style-type: none">• Identifying the social issues raised• Learning to select correct interpretations and solutions to

	<p>5. The Ailing Planet: the Green Movement's Role</p> <p>6. The Browning Version</p> <p>Snapshots:</p> <p>4. Albert Einstein at School</p> <p>Letter to the School/College Authorities, Letter for placing orders, Advertisement (Display), Integrated Grammar Practice</p>		conceptual problems
November	<p>Hornbill:</p> <p><i>Childhood</i></p> <p>Snapshots:</p> <p>5. Mother's Day</p> <p>Integrated Grammar Practice</p>		<ul style="list-style-type: none"> Analyzing plays for their structure and meaning, using correct terminology
December	<p>Hornbill:</p> <p>8. Silk Road</p> <p>Integrated Grammar Practice</p>		<ul style="list-style-type: none"> Developing greater confidence and proficiency in the use of language skills
January	<p>Snapshots:</p> <p>7. Birth</p>		<ul style="list-style-type: none"> Analyzing and extrapolating the ideas

February	Revision		

ECONOMICS

Section A: Elementary Statistics (Units 2-3)

Section B: Introductory Microeconomics (Units 6-7)

Month	Unit	Name of the Topic	Activity	Learning Points
	3	(Section A)- Statistical Tools & Interpretation Chapter 10- Measures of Central Tendency- Median and Mode	Practical sums	Understanding Formulae- Median & Mode

October	6	(Section-B)- Producer Behaviour & Supply Chapter 7-Production Function and Returns to a factor Chapter 8-Concepts of Cost	Usage of examples, Diagrams & Numericals	Students will understand' Law of Variable Proportions' & 'Concepts of Cost'
		Chapter 9-Concept of Revenue (Introduction)	Objective type questions & Diagrams	Students will learn' concepts of Revenue'

November	6	Producer behavior & Supply-(Section-B) Chapter 9-Concept of Revenue(To be continued) Chapter 10-Theory of Supply	Schedules and Diagrams Project work	To understand- Law of Supply
	3	Statistical Tools and Interpretation Chapter 11-Measures of Dispersion		Formulae of standard deviation
	7	(Section-B) Forms of Market & Price Determination under Perfect competition Chapter 11-Forms of Market Chapter 12-Market Equilibrium under Perfect Competition	Examples and Diagrams	To understand Features of perfect competition

December	3	Statistical Tools & Interpretation-(Section A) Chapter 12-Correlation Chapter 13-Index Numbers	Application of formulae	Practical sums- Correlation Index Numbers
January-2021	2	Collection'Organisation& Presentation of data(Section A) Chapter3-Census & Sample Method Chapter5- Tabular Presentation Chapter 6-Diagrammatic Presentation Chapter 7-Frequency Diagrams Chapter 8-Time Series Graphs		

NOTE:

Final Exam comprises Term 1 and Term 2 Syllabus.

HISTORY

MONTH	CHAPTER	LEARNING OUTCOME
OCTOBER	CH-9 THE INDUSTRIAL REVOLUTION	Understanding the nature of growth in the industrial period and its limits.
NOVEMBER	CH- 10 DISPLACING INDIGENOUS PEOPLE	SENSITIZE STUDENTS TO THE PROCESSES OF DISPLACEMENT THAT ACCOMPANIED THE DEVELOPMENTS OF AMERICA AND AUSTRALIA.
DECEMBER	CH- 11 PATHS TO MODERNISATION	MAKE THE STUDENTS AWARE THAT TRANSFORMATION IN THE MODERN WORLD TAKES MANY DIFFERENT FORMS.
JANUARY	CH- 11 TO BE CONTINUED AND REVISION	

FEBRUARY	REVISION	
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POLITICAL SCIENCE

Month	Chapter	Learning Outcomes
October	Book1- Legislature Book2- Social Justice	- will gain knowledge about the law making organ of the government - understand about the basic ideology- justice
November	Book1-Legislature (continues) Book1-Judiciary Book2- Rights	- will gain knowledge about the law making organ of the government - Compare and understand the working of judiciary - will know about the importance of rights

December	Book2- Rights (Continues) Book2- Development	- will know about the importance of rights - explains the need and importance of development as apolitical phenomena
January	Book1- Local Governments	- clearly defines the need and working of local governments in India

OPTIONAL

A. PSYCHOLOGY

Month	Name of the Topics	Activity	Learning Outcome
October	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.

Nov	Ch – 5. Sensory and Perceptual Experiment No. 1:(If situation is still grim then test can be done)	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.
December	Ch – 6. Learning Experiment No. 1: (If s still grim then test can be done)	Activity on reinforcements used in daily life	Ch-6. The concept of learning , various fundamental theories influencing it will be understood.
January	Ch – 6. Learning continued. Psycho Metric Test No. 2	Activity on transfer of training	Various determinants of learning will be grasped.
February	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
Februar y	Psychometric Test/Experiment 3 and Revision	Conduction and Interpretation of test	Students will get a first hand experience of how a Psychometric test functions

B. INFORMATICS PRACTICES

Month	Name of the Topics	Activity	Learning Outcome
October	Chapter 2 (Unit 4): Introduction to the Emerging Trends - Complete	Article writing on any one emerging trends.	Identify the Emerging trends in the fields of Information Technology.
November	Chapter 3 (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,	Development of programs to solve simple programs	Ability to identify different data types in Python and tokens.

December	Chapter 3 (Unit 2): statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging. Control Statements: if-else, for loop Chapter 4 (Unit 2):Lists- list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.	Python applications to solve conditional and iterative problems.	Ability to use, develop & debug programs independently.
January	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions. Chapter 5 : Introduction to data concepts Chapter 6 : Introduction to NUMPY.	Project development.	Ability to develop a project.

C. PHYSICAL EDUCATION

Month	Name of the Topic	Activity	Learning Outcomes
October	Unit VI Physical Activity & Leadership Training	<ul style="list-style-type: none"> • Skill of Swimming 	<ul style="list-style-type: none"> • To know about Measurement
November	Unit VII Test, Measurement & Evaluation	<ul style="list-style-type: none"> • Skill of Table Tennis, 	<ul style="list-style-type: none"> • About Anatomy ,Physiology & Kinesiology

December	Unit – VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports.	<ul style="list-style-type: none"> • Skill of Tennis 	<ul style="list-style-type: none"> • To know about psychology
January	Unit IX Psychology & Sports	<ul style="list-style-type: none"> • Maze Learning 	<ul style="list-style-type: none"> • To know about Training
February	Unit X Training & Doping in sports	<ul style="list-style-type: none"> • Calculation of Body Mass Index (BMI) 	<ul style="list-style-type: none"> • Doping

D. PAINTING

Month	Name of the Topic	Activity	Learning Outcomes
October	Introduction to Ajanta Study of Paintings and Sculptures of Ajanta Caves	To document difference between Painting & Sculpture	A Theory (History of Indian Art) The objective of including the History of Indian Art for the students is to familiarise them with the various styles and modes of art expressions from different parts of India. This would enrich their vision and enable them to
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	<p>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.</p>
February	Artistic Aspects of Indo-Islamic Architecture	Identify the Picture of different Art Styles	

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

Month	Name of the Topic
October	Painting-Composition
November	Painting-Composition
December	Portofolio Assessment
January	Portofolio Assessment
February	Portofolio Assessment

E. HOME SCIENCE

Month	Name of the Topic	Activity	Learning Outcomes
October	Chapter-3,6,8 Chapter-3: Food , Nutrition , Health and Fitness Chapter-6: Media and Communication Technology Chapter-8: Living and Working in a Global Society	List and discuss 5 messages from print which have influenced own self.	<ul style="list-style-type: none">• Understand the functions of food, nutrition, food preservation and health.• Develop high values and ethics.
November	Unit-2 Understanding Family, Community and Society Chapter-10,11 Chapter-10: Concern and needs in diverse context Chapter-11: Survival Growth and Development	Observation of any 2 children of different families in the neighborhood.	<ul style="list-style-type: none">• Equipped to face the challenges of the real life situations
December	Unit-3 Childhood Chapter-12,14,15 Chapter-12: Nutrition, Health and Well Being Chapter-15: health and wellness Chapter-14: Our Apparel	Documentation of a traditional textile art.	<ul style="list-style-type: none">• Students will be able to describe the steps to promote good health and wellness.• Students will learn about the importance of Textile Finishing.
January	Chapter-16,17 Chapter-16: Financial Management and Planning Chapter-17 : Care and Maintenance of Fabric	Study of labels on Food, Fabric and apparels.	<ul style="list-style-type: none">• They will understand the importance of saving and investment.• They will learn the care of different fabric

F. MATHEMATICS

MONTH	CHAPTER	LEARNING OUTCOME
October	Chapter10: Straight Lines	Enable students to find various forms of equations.
	Chapter 12:Introduction to three dimensional Geometry	Enable students to find distance between two points In three dimensions.
November	Chapter 11: Conic sections	To make them learn about conic section.
December	Chapter 13: Limits and Derivatives	Enable students to find derivatives of various functions.
	Chapter 14: Statistics	Enable students to find mean deviation, variance and standard deviation.
January	Chapter15: Probability	To make them understand the different concepts of probability.
	Chapter1: Sets	Enable students to understand various types of sets.
February	Chapter 2: Relations and Functions	Enable students to understand Relations and Functions.
	Revision	
