

SYLLABUS OF CLASS XI [ENGLISH]

<u>MONTH</u>	<u>TEXT-BOOK</u>	<u>CHAPTERS</u>	<u>GRAMMAR</u>	<u>WRITING/READING</u>
JULY	<i>HORNBILL</i>	Ch-2->WE'RE NOT AFRAID TO DIE Ch-3->DISCOVERY OF TUT...THE SAGA CONTINUES	Conversational skills(Practice Worksheets)	Letter to the Editor [Giving suggestions/ opinions on the given issue]
August	SNAPSHOT	Ch-3-> RANGA'S MARRIAGE	Conversational skills [speaking]Practice on CBSE topics	1. Reading comprehension 2. Note Making and Summary
	HORNBILL	Ch-4-> LANDSCAPE OF THE SOUL		

<u>SECTIONS</u>	<u>LEARNING OBJECTIVES</u>
READING	<ul style="list-style-type: none"> • To summarise information from different written text, reconstructing arguments and accounts in a coherent presentation. • To express spontaneously, concisely and precisely and differentiating the content.
WRITING	<ul style="list-style-type: none"> • To enable the students to retain data and information. • To encourage the students to develop their reading habits(newspapers, articles, journals etc)
Grammar	<ul style="list-style-type: none"> • To encourage grammar usage and relevant vocabulary • To enable to comprehend and use grammatical organization for sentence completion and quantifying
LITERATURE	<ul style="list-style-type: none"> • To facilitate making connections between similar situations in different storylines/life experiences through the genre of drama etc.

SYLLABUS OF CLASS XI [INFORMATICS PRACTICE]

<u>MONTH</u>	<u>UNIT</u>	<u>CONTENT</u>	<u>LEARNING OBJECTIVES</u>	<u>ACTIVITIES/LAB EXERCISE</u>
JULY	UNIT-2	Chapter-4—DATA HANDLING Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence. Operators and types: Binary operations-arithmetic, relational operators, logical operators, Augmented assignments operators	<ul style="list-style-type: none">• To learn lexical units of programming• To work with operators for expression forming	Lab exercise Chapter-4 from Practical Book
AUGUST	UNIT-2	Chapter-5- CONDITIONAL STATEMENTS Conditional statements: if, ;simple programs:	To learn and implement logic building using selection and	Lab exercise chapter-5 from practical book.

		if-else,if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers and divisibility	looping constructs.	
		•Notion of iterative computation and control flow : for(range()),(len()),while, flowcharts, suggested programs: interest calculation and factorials, etc. Idea of debugging: errors and exceptions; debugging: pdb, break points.		

SYLLABUS OF CLASS XI [COMPUTER SCIENCE]

<u>MONTH</u>	<u>UNIT</u>	<u>CONTENT</u>	<u>LEARNING OBJECTIVES</u>	<u>ACTIVITIES/LAB EXERCISE</u>
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JULY	UNIT-2	<p>Chapter-4—DATA HANDLING</p> <p>Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.</p> <p>Operators and types: Binary operations-arithmetic, relational operators, logical operators, Augmented assignments operators</p>	<ul style="list-style-type: none"> ● To learn lexical units of programming ● To work with operators for expression forming 	<p>Lab exercise Chapter-4 from Practical Book</p>
AUGUST	UNIT-2	<p>Chapter-5- CONDITIONAL STATEMENTS</p> <p>Conditional statements: if, ;simple programs: if-else,if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers and divisibility</p>	<p>To learn and implement logic building using selection and looping constructs.</p>	<p>Lab exercise chapter-5 from practical book.</p>
		<p>•Notion of iterative computation and control flow : for(range()),(lens()),while,</p>		

		<p>flowcharts, suggested programs: interest calculation and factorials, etc.</p> <p>Idea of debugging: errors and exceptions; debugging: pdb, break points.</p>		
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SYLLABUS Class XI [ACCOUNTANCY]

MONTH	UNIT	DESCRIPTION	LEARNING OBJECTIVES
July (24)	II	<p>1. Accounting Equation: Accounting Equation Approach; Rules of Debit and Credit</p> <p>2. Books of Original Entry: (i) Journal; (ii) Special Purpose Books: Cash book; petty cash book</p>	<ul style="list-style-type: none"> • To understand the effect of a transaction on assets, liabilities, capital, revenue and expenses. • To understand the purpose of recording transactions in the format of cash book.
August (32)	II	<p>1. Preparation of Purchases book, Sales book, Purchase Return Book, Sales return book and Journal Proper</p> <p>2. Ledger: Format, posting from Journal and subsidiary books, balancing of accounts.</p> <p>3. Bank Reconciliation Statement: need and preparation of Bank Reconciliation Statement</p> <p>4. Trial balance: Objectives and Preparation of Trial Balance</p>	<ul style="list-style-type: none"> • To appreciate the process of reconciliation of balances of both cash book and pass book; preparation of BRS • To develop the skill of ledger posting • To understand the need and objectives of preparing trial balance
Unit test -I (19 August)			

SYLLABUS CLASS – XI [GEOGRAPHY]

MONTH	PERIOD	TOPIC	LEARNING OBJECTIVES	SUGESTED ACTIVITY
July	24	INTERIOR OF THE EARTH : Different layers of the Earth, direct & indirect sources , role of seismic waves.	To learn about different layers of planet Earth & role of seismic waves in defining Earth's interior.	Discussion on recent diastrophic activities .
August	22	EARTHQUAKE &VOLCANOES : Terminologies, Types, causes & effects of seismic and volcanic activities, volcanic landforms.	To get an idea & understanding of sudden geomorphic activities.	Students will prepare a PPT on different types of volcanoes.

Syllabus – Biology – XI (2020-21)

Months	No. of Periods	Unit	Content	Learning Objectives	Suggested Activity
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July	24	Unit II Structural Organisation in Plants and Animals	<p>Ch 6; Anatomy of Flowering Plants</p> <ul style="list-style-type: none"> • Tissue & Tissue Systems • Anatomy of Dicotyledonous and Monocotyledonous Plants 	<p>Students will be able to learn about:</p> <ul style="list-style-type: none"> • Meristematic Tissues • Permanent Tissues • The Tissue System • Dicotyledonous Roots • Monocotyledonous Roots • Dicotyledonous Stem • Monocotyledonous Stem • Dicotyledonous (Dorsiventral) Leaf • Monocotyledonous (Isobilateral) Leaf • Secondary Growth 	<ul style="list-style-type: none"> • Comparative study of rates of transpiration in the upper & lower surface of leaves • Study of different modifications in root, stems and leaves • Study and identification of different types of inflorescence
		Unit II Structural Organisation in Plants and Animals	<p>Ch 7; Structural Organisation in Animals</p> <ul style="list-style-type: none"> • Animal Tissues • Morphology & Anatomy of Animals 	<p>Students will be able to understand about:</p> <ul style="list-style-type: none"> • Tissue • Types of Animal Tissues • Earthworm • Cockroach • Frog 	<p>Study of external morphology of cockroach through virtual images and models</p>

		Unit III Cell: Structure & Function	Ch 8; Cell: The Unit of Life <ul style="list-style-type: none"> • Cell: An Overview • Eukaryotic Cell 	Students will be able to learn about: <ul style="list-style-type: none"> • Cell Theory • Structural Outline of a Cell • Prokaryotic Cell • Components of Prokaryotic Cell • Components of Eukaryotic Cell • Cell Membrane • Endomembrane System • Mitochondria • Nucleus • Chromosomes 	Study of mitosis in onion root tip cells and animal cells from permanent slides
Aug	34	Unit III Cell: Structure & Function	Ch 9; Biomolecules <ul style="list-style-type: none"> • Analysis of Basic units of biomolecules • Biomicromolecules • Biomacromolecules • Enzymes 	Students will be able to learn about: <ul style="list-style-type: none"> • Chemical Analysis of Organic Compounds • Primary and Secondary metabolites • Lipids • Proteins • Polysaccharides 	Test for the presence of sugar, starch, proteins, and fats in suitable plant and animal material

				<ul style="list-style-type: none"> • Classification and Nomenclature of Enzymes • Chemical Reactions Metabolic Pathway 	
		Unit III Cell: Structure & Function	Ch 10; Cell Cycle & Cell Division	Students will be able to understand about: <ul style="list-style-type: none"> • Phase of Cell Cycle • Interphase • Mitosis • Meiosis I • Meiosis II 	Separation of plant pigments by paper chromatography
Sept	10	Revision	-	-	-

SYLLABUS -CLASS 11th E (Political Science) July-August

Month	Chapter	Objectives	Activities
July (24 Periods)	3. System Of Representation	To make the students aware of Electoral System Of India and Composition of Indian Parliament.	Mock Parliament.
	4. Parliamentary System		
August (32 Periods)	3. Equality	To enrich the students with correct meaning of equality and the concept of Social Justice.	Class Discussion on equality.
	4. Social Justice		

SYLLABUS FOR CLASS 11th E (PHYSICAL EDUCATION) July-August 2020

MONTH	TOPIC	CONTENT	NO. OF PERIODS	Learning objectives
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JULY	Unit VI Physical Activity & Leadership Training	<input type="checkbox"/> Leadership Qualities & Role of a Leader <input type="checkbox"/> Creating leaders through Physical Education <input type="checkbox"/> Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting, Mountaineering, Surfing and Para Gliding) <input type="checkbox"/> Safety measures to prevent sports injuries	09	<p>To learn leadership quality.</p> <p>Know about adventure sports and safety measures.</p>
JULY	Unit VII Test, Measurement & Evaluation	<input type="checkbox"/> Define Test, Measurement & Evaluation <input type="checkbox"/> Importance of Test, Measurement & Evaluation In Sports <input type="checkbox"/> Calculation of BMI & Waist - Hip Ratio <input type="checkbox"/> Somato Types (Endomorphy, Mesomorphy & Ectomorphy) <input type="checkbox"/> Measurement of health related fitness	09	<p>To learn how to develop physical fitness.</p> <p>To know about types of personality.</p>
AUGUST	Unit VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports	<input type="checkbox"/> Definition and Importance of Anatomy, Physiology & Kinesiology <input type="checkbox"/> Function of Skeleton System, Classification of Bones & Types of Joints <input type="checkbox"/> Properties and Functions of Muscles <input type="checkbox"/> Function & Structure of Respiratory System and Circulatory System <input type="checkbox"/> Equilibrium – Dynamic & Static And Centre of Gravity and its application in sports	06	<p>To learn about structure of body and different types of systems.</p> <p>To learn effect of exercise on systems.</p>
AUGUST	Unit IX Psychology & Sports	<input type="checkbox"/> Definition & Importance of Psychology in Phy. Edu. & Sports <input type="checkbox"/> Define & Differentiate Between Growth & Development <input type="checkbox"/> Developmental Characteristics At Different Stages of Development <input type="checkbox"/> Adolescent Problems & Their Management	06	<p>To know about study of human behavior.</p> <p>To know about adolescents problems and their managements.</p>

Suggested activities

Marks 30

01. Physical Fitness Test - 6 Marks
 02. Proficiency in Games and Sports (Skill of any one Game of choice from the given list*)- 7 Marks
 03. Yogic Practices - 7 Marks
 04. Record File ** - 5 Marks
 05. Viva Voce (Health/ Games & Sports/ Yoga) - 5 Marks
- * Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobics, Gymnastics, Rope-Skipping, Yoga, Bocce & Unified Basketball [CWSN (Children With Special Needs - Divyang)]
- **Record File shall include:
- Practical-1: Labelled diagram of 400 M Track & Field with computations.
- Practical-2: Computation of BMI from family or neighbourhood & graphical representation of the data.
- Practical-3: Labelled diagram of field & equipment of any one game of your choice out of the above list.
- Practical-4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratna Award)
- Practical-5: Pictorial presentation of any five Asanas for improving concentration..
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SYLLABUS FOR CLASS 11th E (PHYSICS) July-August 2020

MONTH	PERIOD	UNIT	CONTENT	LEARNING OBJECTIVE	SUGGESTED ACTIVITIES / PRACTICES
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Month and periods	Unit/Chapters	Contents	Learning Objectives	Suggested Activities
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			inertia, radius of gyration. Values of M.I. for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.	moment of inertia of simple geometrical objects.	
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SYLLABUS FOR CLASS 11th E (MATHS) July-August 2020

August	4) Principal of Mathematical induction	Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.	<ul style="list-style-type: none"> To learn about principle of mathematical induction and its applications 	
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SYLLABUS FOR CLASS 11th E (PSYCHOLOGY) July-August 2020

MONTH	CONTENT	LEARNING OUTCOME	ACTIVITIES
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MAY- JULY	UNIT –II Methods of enquiry in psychology	Students will identify how psychologists study human behavior . They will identify and critically evaluate psychological research methods , they will also acquire and analyze empirical data.	Conduction of an experiment
JULY	UNIT –III Bases of human behavior	Students will understand how the biological functions of the human beings affect behavior of an individual.	Written assignment on the biological perspective of psychology.
AUGUST	UNIT –IV Human Development	Students will be able to identify and relate the effect of various developmental stages on our behavior and how do they shape up our personality.	Role play depicting all the stages of development.

Syllabus Class XI (July-August 2020) ECONOMICS

Month	Unit	Content	Learning Objective	Period
July	Unit - 2 Consumer Behaviour and Demand Unit -3 : Producers Behaviour and Supply	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.	To analyse the role of consumer and his behaviour in the market. Also the behaviour pattern of the consumer.	25
		Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand-factors affecting price elasticity of demand; measurement of price elasticity of demand-percentage-change method.		
		Meaning of Production Function-Short Run and Long Run. Total Product, Average Product and Marginal Product. Returns to a Factor.		
Aug	Unit -3: Producers Behaviour and Supply	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.	To study the various concepts related to a Producer and the importance of behaviour of a Producer	25
		Revenue-total, average and marginal revenue-meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost.		

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply-percentage-change method.

SYLLABUS OF CLASS XI CHEMISTRY

Month	Period	Unit	Content	Learning objectives	Suggested activities
July	24	1. Structure of atoms	Different models of atoms old and modern concept of atoms.	Students will be able to: 1. Compare different models of atoms. 2. Draw the shape of different types of orbitals. 3. Write electronic configuration of different elements. 4. Explain different type of principle	1. comparative study of different orbitals. 2. Comparative study of different models of atoms.
		2. Periodic classification of elements.	Different classification of elements and variations of different properties.	Students will be able to: 1. Explain different periodic classification of elements. 2. Differentiate between Mendeleev and modern periodic table. 3. Explain different periodic variations of properties.	1. Comparative study of Mendeleev and modern periodic table. 2. Comparative study of variations in different properties.

Aug.	34	1.Chemical bonding	Different types of bonding, Hybridisation,Valence bond theory VSEPR theory and molecular theory	students will be able to: 1.Explain different type of bonding in molecules 2.Draw the structure of different molecules on the basis of VSEPR theory. 3.Calculate bond order of different molecules	.Comparative study of VSEPR and MOT .Preparation of chart of the shape of different molecules
		2.State of matter	Different gas laws and related numerical, compressibility factor and liquification of gases.	Students will be able to : 1.Explain different gas laws. 2.Compare ideal and non ideal gas equation. 3.Explain compressibility factor and liquification of gases.	.Comperative study of ideal and real gas equation. .Experiments based on boyals and Charls law.

Syllabus- Class XI Business Studies

MONTH	UNIT	CONTENT	LEARNING OBJECTIVES
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JULY	2	<p>ASSESSMENT OF HOLIDAY HOMEWORK</p> <p>FORM OF BUSINESS ORGANISATION</p> <p>Sole proprietorship-concept, merits and demerits.</p> <p>Partnership-concept, types, merits, demerits, registration, deed and types of partners.</p> <p>Hindu Undivided family-concept</p> <p>Cooperative societies-concept, merits and demerits.</p> <p>Company-concept, merits, demerits, Types: Privates and One Person Company-concept.</p> <p>Formation of company-stages, important documents to be used in formation of a company.</p>	<p>Students will be able to understand their meaning</p> <p>Student will acquire knowledge and understand different types of organisation and its benefits and limitation.</p>
	6	<p>SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS.</p> <p>Concept of social responsibility and case for social responsibility.</p>	<p>Students would be able to:</p> <p>State the concept and understand it.</p> <p>Will able to examine the case.</p>
AUGUST	6	<p>SOCIAL RESPONSIBILTY OF BUSINESS AND BUSINESS ETHICS</p> <p>Responsibility towards owner, investors, consumers, employees, government and community.</p> <p>Role of business in environment protection.</p> <p>Business Ethics-Concept and Elements.</p>	<p>Students will able to identify the social responsibility towards different interest groups and appreciate the role of environment protection.</p>
AUGUST	4	BUSNIESS SERVICES	Students are able to

		<p>Meaning and types Banking: Types of bank accounts- saving, current, recurring, fixed deposit and multiple option deposit account. Banking services- Bank draft, cash credit, E-banking and Types of digital payment. Insurance: -Principles, Types- life, health, fire and marine- concept. Postal services: - Mail, Registered Post, Parcel Speed Post, Courier- meaning</p>	<p>understand the meaning and types of business services. Develop an understanding of the different services provided by banks. Recall the concept of insurance and understand all principles.</p>
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Syllabus- Class XI[HINDI]

माह/ कालांश	इकाई	गद्य	पद्य	व्याकरण	अंतराल	शिक्षण उद्देश्य	क्रियाकलाप
जुलाई 24		दोपहर का भोजन	सूरदास के पद	शब्दकोश- परिचय		<p>- गद्य-गद्य विद्या के माध्यम से जीवन के परिवेश, समकालीन यथार्थ व चुनौतियों के प्रति सजग करना। - भाषायै साहित्य को मजबूत करना। - हिंदी भाषा व साहित्य पढ़कर उस का आनंद लें तथा इस दिशा में पढ़ने- लिखने तथा आगे बढ़ने को उत्सुक रहेंगे।</p>	<p>अपने आसपास मौजूद , गरीबी से जूझने वाले किसी विवश व्यक्ति अथवा विवशता पूर्ण घटना का वर्णन कीजिए। भारत के प्रमुख बांसुरी वादकों की सूची बनाइए और वह भारत के किस प्रदेश से संबंध रखते हैं लिखिए</p>

अगस्त 32		- गूंगे -ज्योतिबा फुले	- पद्माकर - महादेवी वर्मा	-कार्य सूची -प्रेस विज्ञप्ति		पद्य-विद्यार्थियों में साहित्य , ज्ञान, रस, अलंकार, भाषा व भाव विकसित करके उसकी महता व उपयोगिता को समझना सीखेंगे।	ज्योतिबा फुले के जीवन व कार्यो पर परियोजना कार्य कीजिए ।
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