

# ARWACHIN BHARTI BHAWAN SR. SEC. SCHOOL

## SYLLABUS - CLASS 11

### SESSION 2020-21

#### SUBJECT - ENGLISH

MONTH	TOPIC	ACTIVITY	LEARNING OUTCOMES
July	The Portrait of a Lady	Group Discussion on a growing distance between the young and older generation.	Students would develop their optimistic attitude towards life amidst many struggles.
	Poem :- A Photograph	A comparative study of the prose The Portrait of a Lady and the poem A Photograph	Student would be able to grasp the theme & meaning of the poem.
	The Summer fo the Beautiful White House	Research on the Armenian genocide PPT (a group presentation)	They would be able to apply the literal & critical level in analyzing a short story.
	Grammar Modals	Worksheets for all range of learners	The learners would able to identify modals & use them appropriately.
	Writing :- Notice	Group would be formed and different topics & situations for notice writing will be given.	They will be able to frame notice about any event.
August	Poem laburnum Top	Students will be asked to write Para Phrase.	They would get deeper meaning of the Poem.
	We're not afraid to die	Class reading with suitable expression, pronunciation	The leanness would be able to enhance their problem solving skills
	The Address	Group discussion on the value of honesty in one's life in context with fiction.	The students would be able to inculcate the values of determination & will power.
	Writing Skills Articles Writing	Article writing on facts, deriving ideas from interviews, bravery & will power.	The students would develop an interest toward writing. Their planning & organizing techniques would be enhanced.
	Letter writing	Letter to editors; placing an order; enquiry letter. Write a letter to the editor with congruent news paper clip. Similarly various questions of different types of letter will be given	The learners would be able to organize their thoughts and express freely. Their thinking skills would be enhanced
	Reading – Note Making	Group comprehension comprising all range of learners	The learners would be able to differentiate between outline notes, columns notes, mind maps, summary from text etc.
	Grammar Tenses	Worksheets will be given	The creative & thinking skills would be enhanced.
September	Discovering	Pair Activity (Research with pictures and present it in the form	Student's critical and creative thinking skills would be enhanced.

		of an article)	
	Ranga's Marriage	Listening activity :- Listen to an article about the issue of marriage and gender stereotyping & complete the worksheet.	The students will be able to analyse process of story.
	Grammar :- Active & Passive voice	Role play delivering dialogues in the passive	The students would be able to identify & comprehend the use of active & passive voice.
	Writing debate writing & speech writing	The format, rules, technique would be discussed students would be assigned different questions	They would develop an interest towards writing thus enhancing their writing skills.
	Poem:- The voice of the Rain	Poem recitation & self study	Their vocabulary would be strengthened.
October	Albert Einstein at school	Write the contents of short story in the form of note making	They would enhance their reading as well as writing skills.
	The ailing Planet- The Green's Movement Role	Slogan writing on "Go Green"	The students would be able to sensitise themselves towards the earth and environment.
	Mother's Day	Write script and present a Role Play on Mother's Day	The learners would be able to develop their basic skills of language.
	The Browning Version	Theatrical presentation by a group of 3 students	They would be able to respond to a personal dilemma.
November	Poem Childhood	Students will write paraphrase	Their vocabulary would be enhanced.
	Poem father to son	An analysis of the Poem father to son through a PPT	To facilitate making connections between similar situations in different story lines/life experiences.
	Birth	Note making of the chapter :- Birth	They would scan the words according to their meanings.
December	The Tale of Melon City	Research on the literacy laureate Vikram Seth & relate it with other poems	The students would grasp the theme and meaning of the poem.
	The Ghat of the only world	Discussion in groups & write summary of the story	They would develop their reading, writing & thinking skills.
	Landscape of the soul	Write the meaning of the expressions used in text.	The students would understand the chapter deeply.
January	The Adventure	Elaborate :- "Your neither travelled to the past not the future. You were in the present world".	This would help students in understanding the transition from and world to another & back again.
	Silk Road	Write the summary of the fiction along with paraphrase	The students would get deeper knowledge of the fiction.

## SYLLABUS - BIOLOGY

Month	Unit	Chapters	Activities	Learning Outcomes
July to	I Diversity in the living	1. The living world 2. Biological classification 3. Plant Kingdom	<ul style="list-style-type: none"> <li>• Study of the parts of a compound microscope (spotting)</li> <li>• Study of specimens and</li> </ul>	<ul style="list-style-type: none"> <li>• Learner's concepts are clear about the classification of Kingdom.</li> <li>• Learners learn about how to</li> </ul>

August	world.	4. Animal Kingdom	<p>identification with reasons (Bacteria, Oscillatoria, Spirogyra, Rhizopus, Mushroom, Moss, Fern, Pinus, Yeast, Fungi, Lichens, Monocots and dicots) (spotting)</p> <ul style="list-style-type: none"> <li>• Study of characters of animal specimens and identification with reasons (from smartboard) (spotting)</li> </ul>	differentiate b/w different phylum based on characters.
August to September	II Structural organization in plants and animals	<p>5. Morphology of flowering plants</p> <p>6. Anatomy of flowering plants</p> <p>7. Structural organization in animals</p>	<ul style="list-style-type: none"> <li>• To study and describe the given flowering plant and display of whorls, anther and ovary to show number of chamber</li> <li>• Preparation and study of T.S. of monocot and dicot stems and roots</li> <li>• Study of plant tissues from prepared slides (spotting)</li> <li>• Study of animal tissues (squamous, nerve cells, muscle fibers, mammalian blood film) (spotting) (permanent slides)</li> <li>• Study of different modifications in root, stem and leaf (specimens)</li> <li>• Study of different types of inflorescence (from smartboard) (spotting)</li> <li>• Study external morphology of cockroach through model (spotting)</li> </ul>	<ul style="list-style-type: none"> <li>• Learners learn about the morphology of plants, with its various parts.</li> <li>• Learners understand the role of different types of tissues in animals</li> <li>• Learners come to know about different types of inflorescence and morphology of cockroach.</li> </ul>
October	III Cell structure and functions	<p>8. Cell : The unit of life</p> <p>9. Biomolecules</p> <p>10. Cell cycle and cell division</p>	<ul style="list-style-type: none"> <li>• Study of mitosis in onion root tip and animal cell from permanent slide (spotting)</li> </ul>	<ul style="list-style-type: none"> <li>• Learners learn to distinguish b/w different stages in mitosis with the help of permanent slide.</li> </ul>
November to	IV Plant physiology	<p>11. Transport in plants</p> <p>12. Mineral nutrition</p> <p>13. Photosynthesis in higher plants</p> <p>14. Respiration in plants</p> <p>15. Plant growth and</p>	<ul style="list-style-type: none"> <li>• To demonstrate osmosis by potato osmometer.</li> <li>• Study of plasmolysis and deplasmolysis in peels of Rhoeo in hypotonic and hypertonic solutions.</li> </ul>	<ul style="list-style-type: none"> <li>• Learners come to know about the the pressure plants undergo under various stressful conditions by plasmolysis or deplasmolysis.</li> </ul>

December		development	<ul style="list-style-type: none"> <li>• Distribution of stomata on the two surfaces of a leaf.</li> <li>• Rate of transpiration to compare from upper and lower surfaces of the leaf.</li> <li>• Paper chromatography</li> <li>• Test for carbohydrates, proteins and fats in suitable plants and animal materials.</li> <li>• Rate of respiration in germinating seeds.</li> <li>• Study of imbibition in seeds (spotting)</li> <li>• Study and comments on experimental setup (anaerobic respiration, phototropism, apical dominance and transpiration) (spotting)</li> </ul>	<ul style="list-style-type: none"> <li>• Learners know the role of hypotonic and hypertonic solutions, which controls the water &amp; salt intake in plants.</li> <li>• How the rate of respiration is controlled in seeds</li> </ul>
January	V Human Physiology	16. Digestion and absorption 17. Breathing and exchange of gases 18. Body fluids and circulation. 19. Excretory products and their elimination 20. Locomotion and movement. 21. Neural control and coordination. 22. Chemical coordination and integration	<ul style="list-style-type: none"> <li>• Urine test for the presence of urea, sugar, albumin and bile salts.</li> <li>• Study and identification of human bones and joints. (Spotting)</li> </ul>	<ul style="list-style-type: none"> <li>• Learners learn about various joints present in human being with the help of models or through bone specimens</li> <li>• Learners learn experimentally to detect the presence of urea, sugar, albumin and bile salts in given urine sample</li> </ul>

## SUBJECT - CHEMISTRY

Month	Topic	Activity	Learning Outcomes
		•	•
JULY	Ch-1 Some basic concepts of Chemistry	<ul style="list-style-type: none"> <li>• Salt analysis of <math>\text{NH}_4</math> and <math>\text{Cl}</math> ion</li> </ul>	<ul style="list-style-type: none"> <li>• Students able to know about molarity, mole fraction of solutions</li> </ul>
	Ch-2 Structure of Atom	<ul style="list-style-type: none"> <li>• Salt analysis of <math>\text{Pb}^{2+}</math> and <math>\text{CH}_3\text{COO}</math> ion</li> </ul>	<ul style="list-style-type: none"> <li>• Students would know the different theories of scientist related to atom, electron.</li> </ul>
August	Ch-3 classification of	<ul style="list-style-type: none"> <li>• Prepare the crystals of</li> </ul>	<ul style="list-style-type: none"> <li>• Learner would be able to</li> </ul>

	Periodic elements	copper sulphate	recognize the properties of elements, its reactivity.
	Ch-4 Chemical bonding	<ul style="list-style-type: none"> <li>Salt analysis of <math>\text{NH}_4</math> and <math>\text{CO}_3</math> ion.</li> </ul>	<ul style="list-style-type: none"> <li>Learner are able to recognize the type of bonding &amp; draw Lewis structure</li> </ul>
	Ch-8 Redox reactions	<ul style="list-style-type: none"> <li>Prepare M/20 oxalic acid solution</li> </ul>	<ul style="list-style-type: none"> <li>Students would able to balance ionic equations</li> </ul>
September	Ch-5 States of Matter, Solid State	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Students would able to understand the interactions between particles and laws obey.</li> </ul>
	Ch-6 Thermodynamics	<ul style="list-style-type: none"> <li>Salt analysis of <math>\text{Al}^{3+}</math> and <math>\text{Cl}^-</math> ion</li> </ul>	<ul style="list-style-type: none"> <li>Students would able to conceptualize the feasibility of various process.</li> </ul>
October	Ch-14 Environmental Chemistry	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Students able to understand the chemistry behind some environmental process e.g. Acid rain, Photo chemical smog.</li> </ul>
November	Ch-9 Hydrogen	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Students able to understand the properties of water <math>\text{H}_2\text{O}</math></li> </ul>
	Ch-12 Some basic concepts of chemistry- Organic Chemistry	<ul style="list-style-type: none"> <li>Detection of functional Group OH, CHO, COOH</li> </ul>	<ul style="list-style-type: none"> <li>Students easily write the IUPAC name of organic compound</li> </ul>
	Ch-7 Equilibrium I	<ul style="list-style-type: none"> <li>Study the effect of concentration of sodium thiocyanate and potassium ferrocyanide</li> </ul>	<ul style="list-style-type: none"> <li>Students able to classify acid, base according to various theories</li> </ul>
December	Ch-7 Equilibrium II	<ul style="list-style-type: none"> <li>Determine pH values of various substances</li> </ul>	<ul style="list-style-type: none"> <li>Students able to understand solubility product, buffer solution.</li> </ul>
January	Ch-10 s-Block Element	<ul style="list-style-type: none"> <li>Prepare crystals of Mohr's salt</li> </ul>	<ul style="list-style-type: none"> <li>Students able to understand the properties of Gp I &amp; Gp II elements</li> </ul>
	Ch-11 p-Block Element		<ul style="list-style-type: none"> <li>Students would know &amp; co-relate the properties of Gp 13 to 15 elements.</li> </ul>
	Ch-13 Hydrocarbons		<ul style="list-style-type: none"> <li>Students would know alkanes, alkenes, alkynes properties &amp; its preparation.</li> </ul>

## SYLLABUS - HOME SCIENCE

### Class XI

Month	Chapter	Activity	Learning Outcomes
July	Understanding the self	SWOT Analysis understanding "I", "Me",	<ul style="list-style-type: none"> <li>The children will be able to learn the biological, physical changes.</li> </ul>

		"We"	<ul style="list-style-type: none"> <li>Understanding of Emotional and Socio-cultural context.</li> </ul>
July	Food, Nutrition, Health and Fitness	Food groups enhancement Diet plan Food Pyramid	<ul style="list-style-type: none"> <li>Children will be able to learn the importance of food groups</li> <li>Daily lifestyle eating patterns can be improved by learning diet plan.</li> </ul>
July	Management of resources	Time plan Activity	<ul style="list-style-type: none"> <li>All human and Non-human resources will be learnt as a outcome</li> <li>Management of time, energy, money and space will be learnt.</li> <li>Time plan Activity will help them to learn time schedule for their daily task.</li> </ul>
August	Fabric around us	Paper wearing ppt on fabric production	<ul style="list-style-type: none"> <li>Children will be able to classify yarn and fabrics</li> <li>Textile finishes will help them to understand the basic od garments used in daily lifestyle</li> <li>Properties of fabrics will help them to learn selection of garments</li> </ul>
August	Relationships and Interactions with "Significant Others"	Street Play	<ul style="list-style-type: none"> <li>Importance of Family</li> <li>Learning of school-peers and educators</li> <li>Resources of the community and society and their management at the same time</li> </ul>
September	Concerns and needs in diverse contexts		<ul style="list-style-type: none"> <li>To understand importance of hygiene and sanitation in daily life</li> <li>Factors which are effecting nutritional well being</li> </ul>
September	Survival, growth and development	Milestone chart development	<ul style="list-style-type: none"> <li>Understanding growth and development as a different aspect</li> <li>Types of development-physical, motor, cognitive, social and development.</li> <li>Stages of growth and development</li> </ul>
October	Nutrition, Health and well-being	Development of meal with low cost food available Planning diets Healthy habits	<ul style="list-style-type: none"> <li>Learning meal planning for lower income group people and children with special needs</li> <li>Learning healthy habits for well being</li> <li>Guidelines for planning balanced meal</li> </ul>
October	Our apparel	Principles and elements of art and design in apparel	<ul style="list-style-type: none"> <li>Children will be able to learn functions and selections of clothes</li> <li>Clothing needs of children</li> </ul>
November	Health and wellness	Preparation of healthy snacks	<ul style="list-style-type: none"> <li>Aspects/parameters of healthy person will be learnt by the children</li> <li>Goals to achieve fitness will be made clear</li> </ul>
December	Financial management and planning	Plan a budget for self for a given situation	<ul style="list-style-type: none"> <li>Children will learn about different types of family income</li> <li>Children will learn about saving and investment</li> </ul>

			<ul style="list-style-type: none"> <li>Budget and its role will be learnt by the students</li> </ul>
January	Care and maintenance of fabrics	Workmanship in apparels Care label	<ul style="list-style-type: none"> <li>Children will learn about the mending, laundry and stain removal</li> <li>Storage and fabric care</li> <li>Care label of different garments will be learnt by the children</li> </ul>

## SYLLABUS - PHYSICS

Month	Topic	Activity	Learning Outcomes
July	Ch-1 Physical world  Ch-2 Units and measurement	<ul style="list-style-type: none"> <li>Copy and complete the table on the fundamental forces</li> <li>To measure the diameter of a small spherical cylindrical body by using a pair of Vernier calipers</li> <li>To measure the diameter of a given wire using a screw gauge.</li> <li>To measure the radius of curvature of a given spherical surface by using a spherometer.</li> <li>Measurement of time using simple pendulum plot L-t<sup>2</sup> graph</li> <li>To make a paper scale of given 1 east count</li> </ul>	<p>Students will be able to understand four fundamental forces</p> <p>Learner would be able to measure diameter of given body.</p> <p>Learner would be able to measure diameter of given body</p> <p>How to use spherometer</p> <p>Learner would be able to measure time by using simple pendulum</p>
	Ch-3 Motion in straight line	<ul style="list-style-type: none"> <li>Note down distance of moving object with equal interval of time.</li> </ul>	Learner would be able to understand Uniform motion and non-uniform motion
August	Ch-4 Motion in Plane	<ul style="list-style-type: none"> <li>To find the weight of a given body, say a wooden block using the parallelogram law of vector</li> </ul>	<ul style="list-style-type: none"> <li>Learner would be able to understand the addition of vector</li> <li>Learner would be able to understand</li> </ul>

	Ch-5 Law of Motion  Ch-6 Work, Energy and Power	<ul style="list-style-type: none"> <li>To study the variation in range of projectile with angle of projection</li> <li>To study the relationship between force of limiting friction and normal reaction and to find the coefficient of friction between a block and a horizontal surface.</li> <li>Place cord over the top of cap and put coin in the Centre try to find slide the card to the side quickly and levelly.</li> <li>To study the conservation of energy of a ball rolling down an inclined plane</li> </ul>	<p>the projectile motion</p> <ul style="list-style-type: none"> <li>Learner would be able to understand concept of force of friction</li> <li>Learner would be able to understand the concept of inertia.</li> </ul> <ul style="list-style-type: none"> <li>Concept of conservation of energy.</li> </ul>
September	Ch-7 Motion of system of particles and rigid body  Ch-8 Gravitation	<ul style="list-style-type: none"> <li>To determine the mass of a given body using a metre scale by Principle of moments.</li> <li>Dropping a variety of object pair such as balls of different sizes and weights or a book and a sheet of cardboard the same length and width as the book</li> </ul>	<ul style="list-style-type: none"> <li>Principle of moments</li> <li>Students will understand that without air resistance all objects would fall with same acc, regardless of mass.</li> </ul>
October	Ch-9 Mechanical properties of solids	<ul style="list-style-type: none"> <li>To determine young's modules of elasticity of the material of a given wire</li> </ul>	<ul style="list-style-type: none"> <li>Elasticity of body</li> </ul>
	Ch-10 Mechanical properties of fluid	<ul style="list-style-type: none"> <li>To determine the coefficient of viscosity of a given viscous liquid by measuring the terminal velocity of a given spherical body</li> </ul>	<ul style="list-style-type: none"> <li>How to measure terminal velocity of a given spherical body.</li> </ul>
	Ch-11 Thermal Properties of matter	<ul style="list-style-type: none"> <li>To study the factors affecting the rate of loss of heat of a liquid</li> </ul>	<ul style="list-style-type: none"> <li>Factors affecting the rate of loss of heat of a liquid.</li> </ul>
November	Ch-12 Thermodynamics	<ul style="list-style-type: none"> <li>To determine specific heat capacity a given liquid</li> </ul>	<ul style="list-style-type: none"> <li>Students will be able to calculate specific heat capacity using formula</li> </ul>
	Ch-13 Kinetic Theory of gases	<ul style="list-style-type: none"> <li>Engaging students using the simple balloon and soap bubbles</li> </ul>	<ul style="list-style-type: none"> <li>Students will be able to use the Kinetic molecular theory to explain behavior of gas.</li> </ul>
December	Ch-14	<ul style="list-style-type: none"> <li>Slinky activity</li> </ul>	<ul style="list-style-type: none"> <li>Waves are responsible</li> </ul>



Oscillations  
Ch-  
15 waves

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communication we  
use.

## SYLLABUS -ECONOMINCS

MONTH	EXAMINATION	SYLLABUS	ACTIVITY	LEARNING OUTCOME
JULY	FIRST UNIT TEST	<u>STATISTICS</u> UNIT-I Introduction of Statistics UNIT-II Collection and Organistaion of data <u>MICRO ECONOMICS</u> UNIT-I Introduction of Micro Economics	<u>NUMBER ACTIVITY</u> <u>COUNTING AGE OF STUDENTS</u>	STUDENTS WILL ABLE TO UNDERSTANT THE CONCEPT OF STATISTICS
AUGUST	FIRST TERMINAL EXAMINATION	<u>STATISTICS</u> UNIT-II Presentation of data UNIT-III Measures of Central tendency Mean <u>MICRO ECONOMICS</u> UNIT-II Utility Analysis Consumer Equilibrium	<u>DIAGRAMMATICS GAMES</u>	HELPS IN UNDRSTANDING NEWS THROUGH NEWSPAPER PRESENTATION
SEPPTEMBER		<u>STATISTICS</u> UNIT-III Measures of Central tendency Median Mode <u>MICRO</u>	<u>CENSUS ACTIVITY</u>	HELPS STUDENTS IN UNDERSTANDING THE CONCEPT OF STATISTICS THROUGH ESTIMATING AVERAGES

		<u>ECONOMICS</u> <u>UNIT-II</u> Indifference Analysis  Indifference Indifference Analysis Demand Analysis		
OCTOBER	SECOND UNIT TEST	<u>STATISTICS</u> <u>UNIT-IV</u> Measures of Dispersion <u>MICRO</u> <u>ECONOMICS</u> <u>UNIT-III</u> Supply Analysis Product	<u>RACE ACTIVITY</u>	HELPS STUDENTS IN JUDGEING ANALYSIS OF GAMES
NOVEMBER		<u>STATISTICS</u> <u>UNIT-V</u> Measures of Correlation <u>MICRO</u> <u>ECONOMICS</u>  <u>UNIT-III</u> Cost Revenue Producer Equilibrium	<u>COMPARITIVE STUDY</u>	HELPS STUDENTS IN MAINTAINING COMPARITIVE STUDY OF TWO OR MORE TINGS
DECEMBER	SECOND TERM EXAMINATION	<u>STATISTICS</u> Measures of Index Number <u>MICRO</u> <u>ECONOMICS</u> <u>UNIT-IV</u> Forms of Markets  PROJECT WORK	<u>BUYING AND SELLING ACTIVITY</u>	DEVELOP UNDERSTANDING OF STUDENTS OF DIFFERENT MARKETS
JANUARY		<u>STATISTICS</u> Revision	<u>COSTING PRICE ACTIVITY</u>	DEVELOPS UNDERSTANDING

		<u>MICRO ECONOMICS</u> Price Determination of a Commodity		OF STUDENTS ABOUT COST PRICE AND SELLING PRICES
FEBRUARY	ANNUAL EXAMINATION	<u>REVISION</u>		

### SUBJECT - HISTORY

<b>MONTH</b>	<b>UNIT</b>	<b>TOPICS</b>	<b>ACTIVITIES</b>	<b>LEARNING OUTCOMES</b>
MAY	I - UT	Ch - 1 From the beginning of time	-Diagrammatic representation of the positive feedback mechanism. - Different pictures of skull will be shown to the students and they will be asked to observe the similarities and differences.	Students will get deep knowledge of the human evolution.
JULY		Ch-2 writing and City life	Group discussions will be held in the class and multiple questions will be put up. Like, whether the city life would have been possible without the use of metals... Etc.	Students will provide their personal point of views and thus their presentation skills will be enhanced.
JULY	II - UT	Ch- 3 An empire across three continent	Teacher will provide a list of few towns, cities, rivers, seas and provinces and the students will have to identify them on the map.	Students will analyze the proper identification of their names and locations.
AUGUST		Ch- 4 The Central Islamic lands	Study the pictures given in the chapter, which of them did you like the most and why?	Basic knowledge will be enhanced and concepts will be made clear to them.
AUGUST		Ch- 5 Nomadic empires	Class will be divided into groups and they will be asked to do a role play on	By this method of role play, students will be able to relate to the

			Genghis Khan.	topic and skill of self-confidence will be developed
SEPTEMBER	I - TERM	Ch- 6 The Three orders	Students will be divided in groups and will prepare flashcards (A4 size) on feudal society.	Learners will be made aware about the hierarchy in the feudal society.
OCTOBER		Ch- 7 Changing cultural traditions	Various scientific elements and the works of 16 <sup>th</sup> C Italian artists will be shown in a pictorial form or power point presentation.	Student's knowledge will be deepened and skills will be focused on
OCTOBER		Ch- 8 Confrontation of Cultures	Extensive case study of the communities of Caribbean, Brazil and system of central and south America will be done.	After the case study, students will themselves be able to differentiate amongst the various religions.
NOVEMBER	III- UT	Ch- 9 Towards modernisation	Class will be divided into groups and discussions will be held on the aspects of industrial revolution, cotton, spinning and weaving, industries etc.	Students will be able to put forward their knowledge and perspectives.
DECEMBER	II- TERM	Ch- 10 Displacing indigenous people.	Article writing on 'Native people of north and south America'.	Writing skills will be improved.
JANUARY		Ch- 11 Path to modernisation and project work.	After the completion of the chapter, oral evaluation i.e. viva will be conducted.	Confidence and speaking skills will be enhanced and revision of the chapter will be done via question and answers in viva.

FEBRUARY - ANNUAL EXAMINATION

### HPE SYLLABUS

INTERNAL ASSESSMENT MARKS	STRAND I (GAME)  50 MAX MARKS	STRAND II (HEALTH & FITNESS) 25 MAX MARKS	STRAND III (SEWA) 25 MAX MARKS	STRAND IV (HEALTH & FITNESS RECORD)
1	HandBall	Mass PT	SWACHTHA	<b>TESTS ARE :-</b> 1.Flamingo Balance Test

					2. Alternate Hand Wall Test 3. Illinois Agility Test 4. Flex Arm Hang 5. Sit & Reach 6. Yo-YO Test 7. <b>Speed 50mtr Dash</b> 8. <b>Partial Curl up</b> 9. <b>Push Up/ Modified Push Up</b> 10. <b>600 mtr Run &amp; Walk</b> 11. Vertical Jump Test 12. Grip Strength Test
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## SYLLABUS - ACCOUNTANCY

Month	chapter name	activity	Learning outcomes
April	Definition and process of accounting term of accounting concepts cash basis and aurual basis	Teacher demonstration and use of smart board	Students learn about process and objective of accounting Learn terminology and concepts
May	Accounting equations nature of accounts vouchers	Smart board learning by repeating collect vouchers of different minds and paste in notebook	Student learn concept of basic accounting equations. source of recording transaction through vouchers
July	Journal entries ledger posting and trial balance cash book	Smart board	Learn about how to keep records in book of accounts. concepts of double entry bookkeeping. identify cash transaction
August	Subsidiary book bank reconciliation statement	Smart board banks working for transaction	Concept of various classified books of accounts. identifying and treatment of various differences in bank pass book and cash book .
September	Depreciation trial accounts	Assume the value of asset after usage	Method of providing depreciation. Student learn about preparing financial statement or accrual basis

October	Final accounts continued	Smart board	Student learn about preparing financial statement or or accrual basis
November	Bill of exchange	Demonstration of no ordering of b/e	Negotiable instruments
December	Single entries system m Computer accounting	Traditional method modern method	Difference between single entry and double entry system of accounting

## SYLLABUS - BUSINESS STUDIES

### Part A Foundations of Business

- 1 Nature and Purpose of Business
- 2 Forms of Business Organisations
- 3 Public, Private and Global Enterprises
- 4 Business Services
- 5 Emerging Modes of Business
- 6 Social Responsibility of Business and Business Ethics

### Part B Finance and Trade

- 7 Sources of Business Finance
- 8 Small Business
- 9 Internal Trade
- 10 International Business

(April-May 2020)

### Unit 1: Evolution and Fundamentals of Business

Contents and learning outcome

After going through this unit, the student/ learner would be able to:

History of Trade and Commerce in India:

Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy.

To acquaint the History of Trade and Commerce in India

Business – meaning and characteristics Understand the meaning of business with special reference to economic and non-economic activities.

Discuss the characteristics of business.

Business, profession and employment-  
Concept Understand the concept of business, profession and employment.

Differentiate between business, profession and employment.  
Objectives of business, Appreciate the economic and social objectives of business.

Examine the role of profit in business.

Classification of business activities -  
Industry and Commerce

Understand the broad categories of business activities- industry and commerce.

Industry-types: primary, secondary, tertiary  
Meaning and subgroups

Describe the various types of industries.

Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning

Discuss the meaning of commerce, trade and auxiliaries to trade.

Discuss the meaning of different types of trade and auxiliaries to trade.

Examine the role of commerce-trade and auxiliaries to trade.

Business risk-Concept

Understand the concept of risk as a special characteristic of business.

Examine the nature and causes of business risks.

Activity (Business Risks)

The teacher will ask all the students to write various reasons of possibilities due to which losses arise in in any type of business. She will then discuss the nature of the risk and classify the risks into various categories.

JULY 2020

Unit 2: Forms of Business organizations

Contents and learning outcome:

Sole Proprietorship-Concept, merits and limitations.

List the different forms of business organizations and understand their meaning.

Identify and explain the concept, merits and limitations of Sole Proprietorship.

Partnership-Concept, types, merits and

limitation of partnership, registration of a partnership firm, partnership deed. Types of partners

Identify and explain the concept, merits and limitations of a Partnership firm.

Understand the types of partnership on the basis of duration and on the basis of liability.

State the need for registration of a partnership firm.

Discuss types of partners –active, sleeping, secret, nominal and partner by estoppel.

Hindu Undivided Family Business:

Concept Understand the concept of Hindu Undivided Family Business.

Cooperative Societies-Concept, merits, and limitations.

Identify and explain the concept, merits and limitations of

Cooperative Societies.

Understand the concept of consumers, producers, marketing, farmers, credit and housing co-operatives.

Company - Concept, merits and limitations;

Types: Private, Public and One Person

Company – Concept

Identify and explain the concept, merits and limitations of private and public companies.

Understand the meaning of one person company.

Distinguish between a private company and a public company.

Formation of company - stages, important documents to be used in formation of a company

Highlight the stages in the formation of a company.

Discuss the important documents used in the various stages in the formation of a company.

Choice of form of business organization Distinguish between the various forms of business organizations.

Explain the factors that influence the choice of a suitable form of business organization.

Activity (cooperative societies)

The teacher will all the students tool is down 5 famous cooperative societies in India and collect the information about its formation and working. Through the informations collected by the students the teacher will explain the characteristics and the benefits of cooperative society business.

August 2020

Unit 3: Public, Private and Multinational Company

Contents and learning outcome:

Public sector and private sector enterprises – Concept

Develop an understanding of Public sector and private sector enterprises

Forms of public sector enterprises:

Departmental Undertakings, Statutory Corporations and Government Company.

Identify and explain the features, merits and limitations of different forms of public sector enterprises



Multinational Company – Feature. Joint ventures, Public private partnership – concept

Develop an understanding of multinational company, joint ventures and public private partnership by studying their meaning and features.

Unit 4: Business Services

Business services – meaning and types.

Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit account

Understand the meaning and types of business services.

Discuss the meaning and types of Business service Banking

Develop an understanding of difference types of bank account.

Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit.

E-Banking meaning, Types of digital payments

Develop an understanding of the different services provided by banks

Insurance – Principles. Types – life, health, fire and marine insurance – concept

Recall the concept of insurance Understand Utmost Good Faith,

Insurable Interest, Indemnity,

Contribution, Doctrine of

Subrogation and Causa Proxima as principles of insurance

Discuss the meaning of different types of insurance-life, health, fire, marine insurance.

Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning

Understand the utility of different telecom services

Activity ( Banking)

The teacher will divide the class into five groups. Each group is required to work on a particular aspect of banking. One group will collect informations about traditional banking, another about electronic banking, one group will work on various documents related to banking and so on. This is how the teacher will discuss the role of traditional and modern banking .

September 2020

Unit 5: Emerging Modes of Business

Contents and learning outcome:

E - business: concept, scope and benefits □ Give the meaning of e-business.

Discuss the scope of e-business.

Appreciate the benefits of e-business

Distinguish e-business from traditional business.

Business Process Outsourcing (BPO):

Concept, need and scope  
Understand the concept of outsourcing.

Examine the scope of outsourcing, appreciate the need of outsourcing.

Discuss the meaning of Business Process Outsourcing and Knowledge Process Outsourcing

Unit 6: Social Responsibility of Business and Business Ethics

Concept of social responsibility □ State the concept of social responsibility.

Case of social responsibility □ Examine the case for social responsibility.

Responsibility towards owners, investors, consumers, employees, government and community.

Identify the social responsibility towards different interest groups.

Role of business in environment protection □ Appreciate the role of business in environment protection.

Business Ethics - Concept and Elements State the concept of business ethics.

Describe the elements of business ethics.

Activity (social responsibility)

The teacher will divide the class into five groups. Is group is required to select one corporate house and all the social responsibilities that are there in fulfilled by them. This is how the teacher will explain about social responsibilities where use business leaders are fulfilling.

October 2020

Unit 7: Sources of Business Finance

Contents and learning outcome:

Concept of business finance ,State the meaning, nature and importance of business finance.

Owners' funds- equity shares, preferences share, retained earnings, Global Depository receipt (GDR), American Depository Receipt (ADR) and International Depository Receipt (IDR) – concept

Classify the various sources of funds into owners' funds.

State the meaning of owners' funds.

Understand the meaning of Global Depository receipts, American Depository Receipts and International Depository Receipts.

Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). State the meaning of borrowed funds.

Discuss the concept of debentures,

bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits.

Distinguish between owners' funds and borrowed funds.

Activity ( financial institutions)

The teacher will ask the students to find out various Financial institutions in India and collect informations about the role of these Financial institutions in the the development of business and industry)

November 2020

Unit 8: Small Business and Enterprises

Contents and learning outcome:

Entrepreneurship Development (ED):

Concept, Characteristics and Need.

Process of Entrepreneurship Development:

Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and

Entrepreneurship

Understand the concept of

Entrepreneurship Development

(ED), Intellectual Property Rights

Small scale enterprise as defined by

MSMED Act 2006 (Micro, Small and

Medium Enterprise Development Act) Understand the meaning of small

business

Role of small business in India with special reference to rural areas

Discuss the role of small business in India

Government schemes and agencies for

small scale industries: National Small

Industries Corporation (NSIC) and District

Industrial Centre (DIC) with special

reference to rural, backward areas

Appreciate the various Government

schemes and agencies for

development of small scale

industries. NSIC and DIC with

special reference to rural, backward

area.

Activity (startups)

The teacher will ask various groups in the class to find out the names of some startups that are now being developed as big business. Also find out that how these startups are being funded)

December 2020

Contents and learning outcome:

Unit 9: Internal Trade

Internal trade - meaning and types

services rendered by a wholesaler and a

retailer

State the meaning and types of

internal trade.

Appreciate the services of

wholesalers and retailers.

Types of retail-trade-Itinerant and small scale fixed shops retailers

Explain the different types of retail trade.

Large scale retailers-Departmental stores, chain stores - concept

Highlight the distinctive features of departmental stores, chain stores and mail order business.

GST (Goods and Services Tax): Concept and key-features

Understand the concept of GST

Unit 10: International Trade

International trade: concept and benefits □ Understand the concept of international trade.

Describe the scope of international trade to the nation and business firms.

Export trade – Meaning and procedure State the meaning and objectives of export trade.

Explain the important steps involved in executing export trade.

Import Trade - Meaning and procedure

State the meaning and objectives of import trade.

Discuss the important steps involved in executing import trade.

Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)

Develop an understanding of the various documents used in international trade.

Identify the specimen of the various documents used in international trade.

Highlight the importance of the documents needed in connection with international trade transactions

World Trade Organization (WTO) meaning and objectives

State the meaning of World Trade Organization.

Discuss the objectives of World Trade Organization in promoting international trade

Activity (small scale and large scale retailing)

The teacher will ask a student of the class to write down about the retailers on which they are dependent on for whatever they consume. First list out various items that they are using and then find out that how they are getting it, from the local markets or departmental stores or chain stores aur from the Mobile retailers etc. This is how the students will understand the various types of small and large scale retailing and how do they function.

January 2021

Project work and revision

February 2021  
Annual exams and result preparation

March 2021  
Meaning of the new session

## SYLLABUS - HINDI

Month	topic	activities	learning outcome
जुलाई	अंतरा भाग 1 पाठ 1 ईदगाह पाठ 2 दोपहर का भोजन काव्य- कबीर, सूरदास पाठ 1, 12 अभिव्यक्ति का माध्यम रिपोर्ट, आलेख, पत्र, निबंध	ईदगाह में दोपहर के भोजन पर कक्षा में परिचर्चा का आयोजन	विभिन्न पठन सामग्री का पठन करते हुए उसके शिल्प की सराहना करते हैं और जानकारी एकत्र करते हुए अपने विचार व्यक्त करते हैं
अगस्त- सितंबर	अंतरा गद्य खंड पाठ 3,4,5 टॉर्च बेचने वाला,, गूंगे ज्योतिबा फूले काव्य खंड- देव, पदमाक अंतराल पार्ट 2 निबंध पत्र प्रोजेक्ट कार्य	विद्यार्थी प्राकृतिक सौंदर्य का अनुभव कर एक प्रोजेक्ट तैयार करेंगे	विद्यार्थी प्राकृतिक सौंदर्य का अनुभव करते हुए रचित काव्य के परिप्रेक्ष्य में अपने अनुभवों के साथ उसकी सहमति अभिव्यक्त करते हैं
अक्टूबर- नवंबर	अंतरा गद्य 6, 7 काव्य खंड 5, 6 सुमित्रानंदन, महादेवी वर्मा एवं नरेंद्र शर्मा जनसंचार माध्यम	विद्यार्थी महादेवी वर्मा की कविता से देशभक्ति की भावना से ओतप्रोत हो कोई रचनाएं प्रोजेक्ट बनाएंगे	विद्यार्थी महादेवी वर्मा की कविता से देशभक्ति की भावना से ओतप्रोत हो कोई रचनाएं प्रोजेक्ट बनाएंगे
दिसंबर- जनवरी	अंतरा भाग 18 काव्य खंड 7, 8 नागार्जुन, श्रीकांत वर्मा, धूमिल, जनसंचार माध्यम, लघु प्रश्न उत्तर	श्रीकांत वर्मा की धूमिल की कविता का आनंद लेंगे	हस्तक्षेप कविता द्वारा शोषित वर्ग के उत्थान तथा धूमिल की कविता द्वारा परिवारिक मूल्यों को समझेंगे
फरवरी	पुनरावृत्ति कार्य एवं वार्षिक परीक्षा	अभ्यास पत्र	अभ्यास

## SYLLABUS - MATHS

S. NO	MONTH	CHAPTER'S NAME	ACTIVITY	LEARNING OUTCOME
1	APRIL	SETS	MATHS LAB MANUAL (PAPER CUTTING)	THEORETIC OPERATIONS USING VENN DIAGRAMS
2	MAY	RELATIONS AND FUNCTIONS	CARD ACTIVITY	DISTINGUISH BETWEEN Relations And FUNCTIONS
3	JULY	TRIGONOMETRIC FUNCTIONS	GRAPH ACTIVITY	VALUES OF SINE AND COSINE FUNCTIONS IN II, III, IV QUADRANTS USING VALUES IN I QUADRANTS.
4	AUGUST	PMI	SMART BOARD	INDUCTION METHOD
5	AUGUST	COMPLEX NUMBERS	GRAPHICAL REPRESENTATION	GEOMETRICAL MEANING OF $\sqrt{-1}$
6	SEPTEMBER	LINEAR INEQUALITIES	POLTTING OF INEQUALITIES OF GRAPH AND FINDING SOLUTIONS	SOLVE INEQUALITIES GRAPHICALLY.
7	SEPTEMBER	PERMUTATIONS AND COMBINATIONS	ACTIVITY USING 3 COLOURED BALLS,CARDS ETC.	PERMUTATIONS AND COMBINATIONS
8	OCTOBER	BINOMIAL THEOREM	MATCH STICKS ACTIVITY	PASCAL'S TRIANGLE
9	OCTOBER	SEQUENCE AND SERIES	PPT ON SMART BOARD	ARITHMETIC MEAN AND GEOMETRIC MEAN
10	OCTOBER	STRAIGHT LINES	SMARTBOARD/ GRAPHICAL METHOD	EQUATION OF LINE PASSING THROUGH INTERSECTION
11	NOVEMBER	CONIC SECTIONS	PAPER FOLDING AND CUTTING ACTIVITY	CONSTRUCT DIFFERENT CONIC SECTIONS
12	NOVEMBER	INTRODUCTION TO 3D GEOMETRY	BOX ACTIVITY	CONCEPTS- OCTANTS – BY THREE MUTUALLY – PLANES IN SPACE
13	DECEMBER	LIMITS AND DERIVATIVES	SMART BOARD	CONCEPT OF LIMIT AND DERIVATIVES
14	DECEMBER	PROBABILITY	USING CARDS AND COINS	TO VERIFY ADDITION THEOREM
15	JANUARY	STATISTICS	SEMNR BY STUDENTS	TO SOLVE MEAN, MODE AND MEDIAN
16	JANUARY	MATHEMATICAL REASONING	SMART BOARD	

## SYLLABUS- 2020-21

### Class XI

### SUBJECT - POLITICAL SCIENCE

MONTH	UNIT	TOPICS	ACTIVITIES	TEACHING AIDS	LEARNING OUTCOMES
<b>Book-I</b>					
<b>Indian constitution at Work</b>					
MAY	1	Constitution	Cartoon based questions Passage boxes	E-Modules, textual illustrations such cartoons, plus boxes and	<ul style="list-style-type: none"> <li>Students would be able to understand</li> </ul>

			and stamp-based questions, the Constitutional Assembly Debate between students.	newspaper clippings	<p>the need for a constitution.</p> <ul style="list-style-type: none"> <li>Students would be able to explain the authority of a Constitution.</li> </ul>
<b>July</b>	2	Election and Representation	Class and home assignments, picture-based questions, passage boxes and stamp-based questions, Students will conduct elections at class level.	E-Modules, textual illustrations such cartoons, plus boxes and newspaper clippings.	<ul style="list-style-type: none"> <li>Students would be able to understand the link between Elections and Democracy.</li> <li>Students would be able to examine the efficacy of Reservation of Constituencies.</li> <li>Students would be able to critically evaluate Free and Fair Elections.</li> <li>Students would be able to assess the efficacy of Electoral Reforms.</li> </ul>
<b>UT-I</b>					
<b>Aug</b>	3	Legislature	Class and Home Assignments Picture based questions Create a ballot Paper by your own way, Mock Parliament will	E-Modules, textual illustrations such cartoons, plus boxes and newspaper clippings.	<ul style="list-style-type: none"> <li>Students would be able to assess the need for a strong Parliament.</li> <li>Students</li> </ul>

			be conducted at class level.		<p>would be able to explain the composition of the two houses of parliament.</p> <ul style="list-style-type: none"> <li>Students would be able to explain functions and powers of the parliament: legislative functions, control over executive etc.</li> </ul>
	4	Executive	Students will conduct Mock Elections of the President at school level.	E-Modules, textual illustrations such as cartoons, plus boxes and newspaper clippings.	<ul style="list-style-type: none"> <li>Students would be able to examine the types of Executive.</li> <li>Students would be aware about the role and functions of Prime Minister and Council Of Ministers.</li> </ul>
	5	Judiciary	Picture-based questions, passage boxes and stamp-based questions, Debate will be held on Legal issues.	Textual illustrations such as cartoons, e-modules, newspaper clippings.	<ul style="list-style-type: none"> <li>Students would be able to explain the need for an independent judiciary.</li> <li>Students would be able to analyze Judicial Activism from the late 1980s.</li> </ul>
<b>UT-II</b>					
<b>SEPT</b>	6	Local Governments	Case studies, visit a village. Survey on village	E-modules, newspaper clippings, plus boxes.	<ul style="list-style-type: none"> <li>Students would be able to understand decentralizati</li> </ul>



			community.		<p>on via 73<sup>rd</sup> and 74<sup>th</sup> Amendments.</p> <ul style="list-style-type: none"> <li>Students would be able to assess problems related to implementation of 73<sup>rd</sup> and 74<sup>th</sup> Amendments.</li> </ul>
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**Book-II  
Political Theory**

	7	Political Theory - An Introduction	<p>Right short notes on Kautilya Aristotle and Dr. B.R.Ambedkar and share them with your friends through email.</p> <p>Prepare a glossary of terms</p> <p>Collect the messages of important political thinkers and share them with your parents.</p>	E-content, newspapers and magazines.	<ul style="list-style-type: none"> <li>Students would be able to understand politics and political theory.</li> <li>Students would be able to identify important political thinkers in India and in the world.</li> </ul>
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**TERM I**

Oct	8	Liberty	<p>Students may be asked to read biographies of our freedom fighters as well as of some eminent global personalities like Nelson Mandela who struggled</p>	E-materials, E-pathshala, newspaper clippings, etc.	<ul style="list-style-type: none"> <li>Students would be able to explain the importance of freedom for self and society.</li> <li>Students would be able to explain the difference between</li> </ul>
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			against the Apartheid Regime.		positive and negative freedom.
	9	Equality	Prepare a glossary of terms. Prepare a chart on schemes and programs that address inequalities related to access, enrolment, retention and achievement of learners at the secondary level of education. Prepare a comic strip on inequalities existing in your neighbourhood.	E-content, E-pathshala, newspaper/magazine/radio/T. V/Other audio-video materials.	<ul style="list-style-type: none"> <li>Students would be able to explain the concept of equality.</li> <li>Students would be able to understand the pursuit of Equality involves treating everybody the same way.</li> <li>Recognizes different dimensions of Equality - Political, Economic and Social.</li> </ul>
<b>NOV</b>	<b>UT-III</b>				
	10	Justice	Prepare a note on gender equality as a stepping stone for development, Debate on Rule of Law.	Picture-based questions, passage boxes, stamp-based questions, e-content.	<ul style="list-style-type: none"> <li>Students would be able to explain Equality, Justice and Democracy.</li> <li>Students would be able to evaluate Dr. Ambedkar on social justice.</li> </ul>
<b>DEC</b>	11	Rights	Class and home assignment, picture-based questions, debate on rights and duties.	Textual-illustrations, e-content, ppts, audio-video materials.	<ul style="list-style-type: none"> <li>Students would be able to understand the need for the rights and the states.</li> <li>Students will be able to explain the scope of</li> </ul>

					different dimensions of rights.
	12	Development	Class and home assignment, picture-based questions, passage boxes and stamp-based questions.	Textual-illustrations, e-content, ppts, audio-video materials.	<ul style="list-style-type: none"> <li>• Students would be able to assess the various models of development.</li> <li>• Students would be able to critically evaluate economic model of Development.</li> </ul>
JAN	Revision		Class Test		<ul style="list-style-type: none"> <li>• Students would be able to understand and explain the different topics covered.</li> <li>• Students would be able to analyze the different approaches to the study of concepts.</li> </ul>
<b>FEB</b> <b>Annual Exams</b>					
<b>MARCH</b> <b>Result Declaration</b>					