



Montfort School

Ashok Vihar, Delhi-110052

SYLLABUS 2022-23

Class XI

Yearly Plan for English XI

S.NO	DURATION	NO. OF CLASS ES	CHAPTER/TOPIC	SYLLABUS COVERED	PEDAGOGY	ART INTEGRATED/LEARNING ACTIVITIES
T E R M - 1						
1	<u>July 1st - 15th</u>	12	<i>The Portrait of a Lady</i>	1. Character Analysis 2. Discussion author's relationship with his grandmother. 3. Changing phases of human relationship.	1. Interactive-Group Discussion 2. Presentation 3. Creative & Critical Thinking	1. Research work on Author-Khushwant Singh 2. Group Discussion on Growing Distance Between Young and Older generation.
			<i>Notice Writing</i>	1. Types, Categories and format of various different notices. 2. Samples and Format will be shared.	1. Presentation on formats. 2. Discussion on Pre requisite knowledge of School Notices 3. White Board Presentation/News Paper Cuttings etc.	1. Handout -Practice questions on various different categories of Notice.
			<i>A Photograph</i>	1. Title Relevance. 2. Transient Human Life.	1. Types of Poetry 2. Rules Of Recitation. 3. Figurative Language. 4. Visual Presentation	1. worksheets will be given on figure of speech used in the poetry. 2. Write Self Composed Poetry on any topic.
2	<u>July 16th - 30th</u>	12	<i>The Summer of a Beautiful White Horse</i>	1. Character Analysis 2. Discussion author's relationship with his cousin Mourad. 3. The Inner Voice 4. Trades of Armenian Tribe.	1. Interactive-Group Discussion 2. Presentation 3. Creative & Critical Thinking 4. Relevant Pictures/Videos	1. Research work on Armenian Tribe & William Saroyan. 2. Pen portrait of major characters with sketches.
			<i>Speech Writing</i>	1. Format & Presentation 2. Famous Speaker and their Speeches. 3. Marking Scheme	1. Learning - Format & sample 2. Method of writing and it's relevance. 3. Activity oriented.	1. Student Presentation - Students will deliver a speech on the topic of their choice.
			<i>We are not afraid to die...</i>	1. Journey of Cap. James Cook 2. Duplicated the Voyage. 3. Author's Family Description. 4. Problems Faced. 5. Overcoming Barriers. 6. Perceptions - Adult Vs Children	1. Build Interest - On any journey where they faced Danger. 2. Parts of Boats - will be shown to understand the chapter. 3. Life Skills - Planning, Determination, will power & hard work.	1. Prepare a digital timeline of the lesson to learn the facts. 2. Draw a boat and name all its parts as per the chapter.
3	<u>Aug 1st - 15th</u>	8	<i>The Address</i>	1. Impact of war. 2. Pre & Post war era. 3. Haunting Memories	1. Interaction - On address and its social importance. 2. Group Discussion - World War - II 3. PPT/Videos & Handouts 4. Dramatization Technique	1. Dramatization - Role play in the class. 2. Pen portrait of Mrs. Dorling and Mrs. S with sketches.

			Official Letters - Enquiry, Order & Complaint	1. Format and Types of letters 2. Purpose and Presentation. 3. Language 4. Marking Scheme.	1. Creativity. 2. Collaboration & Brain Storming 3. Communication & Critical Thinking 4. Activity based - Power point presentation	1. Paste cuttings of Newspaper Articles in the class Notebook. 2. Write self-composed article on spreading awareness among students about COVID - 19.
4	<u>Aug 16th - 31st</u>	10	Discovering Tut: Saga Continues	1. Ancient Egyptian History. 2. Introduce - King Tutankhamun. 3. Belief of Resurrection. 4. Family Tree and their tenure	1. Introduction to Tut's Family 2. Discovery of his Tomb. 3. Technological Advancements and myths associated with it.	1. Project of Life of Tutankhamun.
			The Laburnum Top	1. Life of a tree. 2. Relationship of tree and nature. 3. Sounds and symbols 4. Poetic Devices	1. Active Participatory learning pedagogy. 2. PPT based explanation for visual connect. 3. Rhythm & Intonation 4. Poetic devices	1. Write difficult words/meaning and make pictures of it.
			Ranga's Marriage	1. Ancient Vs Present Tradition. 2. Child Marriage. 3. Evolution of English Language. 4. Cultural & Traditional values.	1. Story Telling Method 2. Discussion on - Social norms & obligations. 3. Role-Play while reading the chapter	1. Write an Article on Importance of English Language . 2. Debate on Arrange Marriage vs Love Marriage
			Assessment of Listening & Speaking - SA-1	1. Assessments on various different socio - economic topics	1. Voice Modulation 2. Pronunciation 3. Grammatical Accuracy. 4. Expressions Used. 5. Problem Solving Ability	Interview Based Assessment to enhance speaking skills and confidence level
T E R M - 2						
5	<u>Sep 1st - 10th</u>	6	The Voice of the Rain	1. Water Life Cycle 2. Figure of Speech Used. 3. Dialogue Based Description 4. Poetic Devices	1. Digital pictorial presentation of the Poem. 2. Poet & background 3. Group Discussion - Rain & it's cycle.	1. Make a handmade water cycle with all the terms used in the poem.
			Landscape of the Soul	1. Comparison B/W Chinese Vs European Art Forms. 2. Examples and Anecdotes. 3. Chinese Terms and Expiation 4. Realm of Nek Chand 5. Brut/Outside Art	1. Group Discussion - Chinese Art & European Art 2. E-Learning - Pictorial Presentation	1. Paste a Picture of both Art forms in the notebook and write comparison

6	<u>Oct 1st - 15th</u>	8	The Ailing Planet	1. Environmental Issues and Concerns. 2. Holistic and Ecological Developments. 3. Sustainable Development 4. Ways to protect environment	1. Present Environment Linkage. 2. Complex Thinking 3. Interactive Learning	1. Write an Article on " Environment Degradation ".
			Business Letters - Authority Letters	1. Format and Types of letters 2. Purpose and Presentation. 3. Language 4. Marking Scheme.	1. PPT demonstrating the technique of writing Classified Ads. 2. Discussion - Format & Samples	Handouts & Worksheet on Business Letters.
			Albert Einstein at School	1. School Life of Albert Einstein. 2. His Idea of Education. 3. Relationship and Friendship. 4. Plan of Escape	1. Collaboration - Discussion & Debating 2. HOTS - Problem Solving & Analytical Skills	1. Research on Albert Einstein and his Inventions
7	<u>Oct 16th - 31st</u>	7	Assessment of Listening & Speaking - SA-2	1. Assessments on various different socio - economic topics	1. Voice Modulation 2. Pronunciation 3. Grammatical Accuracy. 4. Expressions Used. 5. Problem Solving Ability	Interview Based Assessment to enhance speaking skills and confidence level
8	<u>Nov 1st - 15th</u>	11	Poster Making	1. Format and Types of Posters 2. Purpose and Visual Presentation. 3. Language 4. Marking Scheme.	1. E-Learning - Format & sample 2. Method of designing attractive poster 3. Activity oriented.	1. Design a visually attractive poster on a given topic. 2. Design a digital poster showing all your computer skills on any social topic
			Mother's Day	1. Status of a Mother. 2. Role Reversal. 3. Lesson Taught to Family Members.	1. Real Life Linkage. 2. Anticipatory Method. 3. Complex Thinking 4. Interactive Learning	1. Poster Making - Gender Equality
9	<u>Nov 16th - 30th</u>	13	Debate Writing	1. Format & Presentation 2. Famous Speaker and their Speeches. 3. Marking Scheme	1. Learning - Format & sample 2. Method of writing and its relevance. 3. Activity oriented.	1. Group Debate - On some Social Issues
			The Browning Version	1. Character Analysis 2. Student Vs Teacher	1. Blended Learning 2. Real Life Linkage 3. Complex Thinking 4. Student's Opinion	1. Design a Cross word sheet. 2. Write a character comparison on Mr. Crocker Haris & Frank
10	<u>Dec 1st -15th</u>	6	Art Integrated Learning Activities	Various Language Based Activities	1. Student Oriented 2. Communication 3. Creativity & Innovation	1. Performing Art 2. Interactive Sessions for Language excellence 3. Role Play, Debate, Quiz etc.

			Childhood	1. Stages of Childhood. 2. Transition through different stages	1. Types of Poetry 2. Rules Of Recitation. 3. Figurative Language. 4. Power point presentation.	1. Poster making - Stages of Life. 2. Speech - Childhood experience.
11	<u>Dec 16th - 31st</u>	10	Birth	1. Characters Descriptions 2. Professional Dilemma 3. Bookish Vs Practical Knowledge	1. Group Discussion -Professional Commitments 2. Critical Analysis & Collaboration 3. Digital Module etc.	1. Debate - "2 yrs. internship should be made compulsory to the medical graduates." 2. Role Play - Character analysis through a role play.
			Note Making	1. Format & Marking Scheme. 2. Presentation and Alignments 3. Samples & Practice Questions	1. PPT demonstrating the technique and art of note making. 2. Format Discussion 3. Annotation, outline notes, column notes, mind maps and summary notes.	1. Make notes on the text book chapter "Discovering Tut.." 2. Make annotation on newspaper article and filter important points and sub points by color coding them and paste it in the school notebook .
12	<u>Jan 1st -15th</u>	5	Silk Road	1. Ancient Silk Route. 2. Pilgrims and their Beliefs. 3. Travelogue and description of places. 4. Hardship faced by the narrator.	1. Digital Module. 2. Collaborative Learning. 3. Pictorial Presentation. 4. Brain-Storming Session	1. Map Work - Locate & Mark Silk Route on the Map and paste in the notebook.
			Art Integrated Learning Activities	Various Language Based Activities	1. Student Oriented 2. Communication 3. Creativity & Innovation	1. Performing Art 2. Interactive Sessions for Language excellence 3. Role Play, Debate, Quiz etc.
13	<u>Jan 16th - 31st</u>	11	Project Submission & Viva	1. Project Work Review. 2. Viva	1. Oral discussion.	Interview Based Assessment to enhance speaking skills and confidence level
14	<u>Feb 1st - 10th</u>	7	Revision - Complete Syllabus		1. Group Discussion. 2. Student centric approach. 3. E-Learning 4. Digital Modules	1. Oral Test & Discussions. 2. Google Forms & Quiz 3. Written Surprise Test 4. Revision through Role Play's.

EXAMINATION SCHEDULE: ENGLISH CLASS XI 2022-23	
Date	Examination
September 12th -23rd	Term-1
December 5th - 10th	UT-1
February 13th Onwards	Annual Examination

Submitted By: _____ :

Shalini Singh / Bhumika Arora

.C.E.R.T) / Snapshot (N.C.E.R.T)

Prescribes books

Hornbill (N

Yearly Plan for XI Mathematics (2022-23)

Sno	Date	Topic	No. of periods	Covered	Pedagogy	Activities
1	1-7-22 to 14-7-22	Sets	10	i) introduction ii) Meaning of sets iii) Types of sets iv) Operation of sets and properties v) Application of sets	problem solving method	Collection of books, making mind map , pictorial presentation of properties of sets
2	15-7-22 to 21-7-22	Linear inequations	5	i) meaning of inequations in one variable ii) solution of one variable inequation iii) solution of two variable in equation vi) solution of inequations in two variables through graph	problem solving method	* Understanding the concepts by using practical problems ** finding the common region by graph * finding the solution on number line for one variable inequation
3	22-7-22 to 27-7-22	Mathematical Induction	4	i) introduction ii) meaning of induction iii) verifications	Problem solving method	*verify the concept by using different examples
4	28-7-22 to 8-8-22	Complex Number	10	i) introduction ii) Meaning of iota iii) Definition iv) Basic operations v) Conjugate of complex number vi) modulus of complex number vii) square root of the number viii) Polar form	problem solving method	Presentation of complex number on 2D, by keeping real part on X-axis and imaginary part on Y-axis.
5	10-8-22 to 24-8-22	Sequence and series	12	* basic definition of sequence * Arithmetic progression * Geometric progression * special sequence	* Problem solving method	Solving the problem in group Draw mind map

6	25-8-22 to 2-9-22	Trigonometry	8	<ul style="list-style-type: none"> * Compound angle ratio * allied angle ratio * meaning of radian * t-ratio in circular measurement 	problem solving method	* Sketch human face/ cartoon character by using identities
7	26-9-22 to 30-9-22	Tigonometry	6	<ul style="list-style-type: none"> * Multiple angle ratio * solution of trigonometric equation 	Problem solving method	Mind map activity
8	6-10-22 to 13-10-22	Permutation	7	<ul style="list-style-type: none"> * Meaning of factorial * principle of counting * permutatins r things out of n things * different type of arrangement 	problem solving method	* Arrangement of 3 or 4 items by using different colour sheets

9	14-10-22 to 21-10-22	Combinations	7	<ul style="list-style-type: none"> * meaning * selection of r out of n * properties 	* Problem solving method	Problem soving method in group activity * selection of 3 out of 5 by using origami method
10	27-10-22 to 4-11-22	Binomial Theorem	7	<ul style="list-style-type: none"> * Definition * Exansion of $(x+y)^n$ * general term * middle terms * coefficient of x^r 	* Problem solving method	Making Pascals Triangle Draw mind map
11	9-11-22 to 17-11-22	Relation and function	7	<ul style="list-style-type: none"> * Definiton * Cartesian product * Domain and range * types of standard functions * domain and range of functions 	* Problem solving method	Solving the problems in group * Pictorial presentation of functions * mind map of relations
12	18-11-22 to 30-11-22	Limits Derivatives	12	<ul style="list-style-type: none"> * definition * Left hand and Right hand limit * method of solving limit * first principle method 	Problem soving method	Solving problem in group geometrical interpretation of derivative

13	12-12-22 to 20-12-22	Straight line	7	Slope of line, recall the concept of previous year, different method of finding equation of straight line	Problem solving method	Draw mind map
14	21-12-22 to 31-12-22	Straight line Coni section	7	Family of straight line Distance of point from a line, Reduce the general equation to particular form. Circle, parabola, ellipse and hyperbola	problem solving method	Mind map Pictorial presentation of conic figure
15	10-1-23 to 14-1-23	Introduction to 3D geometry	4	* definition * Meaning of octant * Distance formula, section formula	problem solving method	Mind map
16	16-1-23 to 25 – 1- 23	Statistics Probability	8	Mean deviation through mean/median Standard deviation Basic definition of probability finding probability through permutation/combination Addition theorem	problem solving method	Draw mind map
17	27-1-23 to 31-1-23	Mathematical Reasoning	3	Meaning of statement and sentence Navigation of statement	Lecture method	Group activity
18	1-2-23 onwards	Revision				

NOTE :

UNIT TEST 1 : Sets, Linear Inequations and Principle of mathematical Induction

FIRST SEMESTER : Sets, Linear inequations, Mathematical inductions, Complex number, Sequence and Series, part of Trigonometry

Unit test 2 : Permutation, Combination , Binomial theorem, Relation and function, Limits and derivatives.

Annual Examination : Full syllabus

PHYSICS SYLLABUS
CLASS-XI (2022-23)

TERM-I

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learnercentred)	Art Integrated/Other Activities
1.	July 1 st – 15 th	Units And Measurements	12	Chapter1: Units And Measurements	Demonstration, E- learning, Brainstorming, Computational thinking	Using experimental data compute the errors in various quantities.
2.	July 16 th – 31 st	Motion In A Straight Line	12	Chapter2: Motion In A Straight Line	Incidental Learning, Context Based Learning, Brainstorming	1. Plot position vs time graph for the following cases a) Stationary motion b) uniform motion c) non uniform motion 2. Plot velocity vs time graph for the following cases and calculate slope in each case a) uniform acceleration b) non uniform acceleration c) deceleration
3.	August 1 st – 15 th	Motion In A Plane	8	Chapter 3: Motion In A Plane(Contd.)	E- learning, Brainstorming, Computational Thinking	
4.	August 16 th – 31 st	Laws Of Motion	10	Chapter 4: Laws Of Motion	E-Learning, Experiential based learning, Argumentation, Incidental Based Learning	Experiential based activity: The students will be asked to calculate the coefficient of friction between a block of wood and glass.
6.	Sept. 1 st – 10 th	Work, Power And Energy	6	Chapter 5: Work, Power And Energy	Demonstration, E-learning, Computational Learning	An object of mass 20 kg is dropped from a height of 4 m. Fill in the blanks in the following table by computing the potential energy and kinetic energy in each case. Take $g = 10 \text{ m/s}^2$

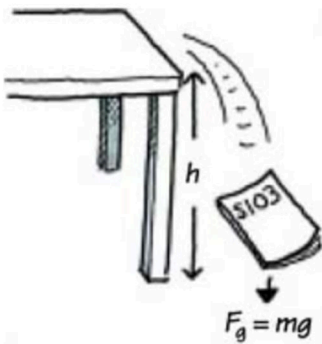
						Height at which an object is located(m)	Potential energy(J)	Kinetic energy(J)
						4m		
						3m		
						2m		
						1m		
						Just above the ground		

Note: Students will be asked to record the practicals in their practical file as per the cbse syllabus.

First Semester Examination Syllabus will be as per the C.B.S.E. Directives.

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities																														
1.	Oct. 1 st – 31 st	System Of Particles And Rotational Motion	7	Chapter6: System Of Particles And Rotational Motion	Activity oriented, Use of Multimedia, Demonstration	PPT On Applications Of Law Of Conservation Of Angular Momentum.																														
2.	Nov. 1 st – 15 th	System Of Particles And Rotational Motion(Contd.)	11	Chapter6: System Of Particles And Rotational Motion(Contd.)	Activity oriented, Use of Multimedia, Demonstration	Find out the torque, moment of inertia and angular momentum for the following values as given in the table. <table><tr><th>For object 1 Position (cm)</th><th>Angular velocity (rad/s)</th><th>Torque</th><th>Moment of Inertia</th><th>Angular momentum</th></tr><tr><td>1</td><td>1</td><td></td><td></td><td></td></tr><tr><td>2</td><td>2</td><td></td><td></td><td></td></tr><tr><td>3</td><td>2</td><td></td><td></td><td></td></tr><tr><td>2</td><td>3</td><td></td><td></td><td></td></tr><tr><td>3</td><td>3</td><td></td><td></td><td></td></tr></table>	For object 1 Position (cm)	Angular velocity (rad/s)	Torque	Moment of Inertia	Angular momentum	1	1				2	2				3	2				2	3				3	3			
For object 1 Position (cm)	Angular velocity (rad/s)	Torque	Moment of Inertia	Angular momentum																																
1	1																																			
2	2																																			
3	2																																			
2	3																																			
3	3																																			
3.	Nov.16 th – 30 th	Gravitation + Properties Of Bulk Matter	13	Chapter 7: Gravitation Chapter 8: Mechanical Properties Of Solids	Demonstration, E-learning, Computational Learning	Experiential Based Activity: Suppose that the book has a mass m , and the table top is a distance h above the floor. Write down an equation for the work W done by gravity on the book as it falls from the table top to the floor																														

						
4.	Dec. 1 st – 15 th	Properties Of Bulk Matter	6	Chapter 8: Mechanical Properties Of Fluids	Activity method, Experiential Learning , E-Learning	Using Labs find the spring constant of a helical spring.
5.	Dec.15 th – 31 st	Thermal Properties Of Matter + Kinetic Theory of Gases	10	Chapter 9: Thermal Properties Of Matter + Chapter 10: Kinetic Theory of Gases	Brainstorming, e-Learning, Analytico-Synthetic	
6.	Jan. 1 st – 15 th	Thermodynamics	5	Chapter 11: Thermodynamics	Learning Through Argumentation, Incidental Learning, Computational Thinking	Draw Flow Chart To depict the working of a refrigerator and a Carnot cycle.
7.	Jan. 16 th – 31 st	Waves And Oscillations (Contd.)	11	Chapter 12: Oscillations	E- learning, Discussion, Concept based learning.	Numericals based on waves and oscillations.
8.	Feb. 1 st – 15 th	Waves And Oscillations (Contd.) + Revision for Annual Exams	9	Chapter 13: Waves	E- learning, Discussion, Concept based learning.	

Periodic Test 2:

Chapter-6: System Of Particles and Rigid Bodies

Chapter-7: Gravitation

CHEMISTRY SYLLABUS

CLASS XI (2022-23)

TERM-I

S. No.	Duration	Chapter / Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
1.	July 1 st – 15 th	Some basic concepts of Chemistry Structure of Atom	9 3	Unit 1 : Laws of chemical combination, Mole concept, Stoichiometry Unit 2 -Atomic Models	Context based learning, Critical thinking Brainstorming e-Learning,	Determination of number of moles of salt consumed in a day
2.	July 16 th – 30 th	Structure of Atom Classification of elements & Periodicity in properties	6 6	Unit 2 - Bohr's model, Bohr's model for Hydrogen atom, Quantum model of an atom Unit 3-Genesis of periodic classification, Modern periodic table, electronic configuration and types of elements:s,p,d,f	creative thinking, communicative, brain storming Context based learning, Learning through argumentation, E- learning, creative thinking	3-d model of shapes of orbitals using beads and pipes Make your own rhyme /song to memorize the periodic table (Mnemonics)
3.	Aug. 1 st – 15 th	Chemical Bonding and Molecular structure	12	Unit 4- Ionic bond,covalent bond, bond parameters, VSEPR theory,, VBT, Hybridisation, MOT, Hydrogen bonding	Concept based learning, group discussion, collaborative, creative thinking	Using clay exhibit sp, sp ² and sp ³ hybridisation
4.	Aug. 16 th – 31 st	Unit 8- Redox Reactions	5	Classical and Electronic concept of Redox reactions,	Interactive and collaborative experience, incidental	Activity to set up the electrochemical cell with unit

		Unit 9- Hydrogen	5	Oxidation number, Redox reactions and Electrode processes Position of Hydrogen in periodic table, Preparation and properties of Hydrogen,	learning, Critical thinking, activity oriented Argumentative learning, Context based learning, Multimedia approach, Computational thinking	concentrations and determine the EMF of the cell
5.	Sept. 1 st – 11 th	Unit 12- Organic chemistry- Basic principles and techniques	8	Structural representation and classification of organic compounds, Nomenclature of organic compounds	Student- teacher interaction, Visualization, Context based learning, Cross over learning	3-D model of Carbocation and Carbanion using clay,
9.	Sept. 12 th – 30 th	Term-I Exam + Unit 12- Organic chemistry- Basic principles and techniques	- 5	- Isomerism, Fundamental concepts in organic reaction mechanism, Electron displacement effects	- Interactive and collaborative experience, incidental learning, Critical thinking.	- Representation of Inductive and Electromeric effect by using beads and thread

NOTE:

Students will be asked to perform and record the practicals in their practical file as per the CBSE syllabus.

EXAM	UNIT/CHAPTER
Term-I	Units 1,2, 3, 4, 8, 9 and 12

TERM-II

S. No.	Duration	Chapter / Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
10.	Oct. 1 st – 15 th	States of Matter	7	Unit 5- Intermolecular forces, Thermal energy, The Gas laws, Ideal gas equation, Kinetic molecular theory, Real Gases,	Concept based learning, Critical thinking, collaborative, interactive and argumentative	Sketch the isotherm of CO ₂ at various temperatures, Experimental determination of viscosity on O lab, Why are aerated bottles kept in water during summer?
11.	Oct. 16 th – 31 st	Thermo-dynamics	10	Unit 6- Thermodynamic terms, Measurement of change in enthalpy and internal energy, First law of thermodynamics Enthalpies of different types of reactions	e- learning, Brainstorming, demonstrative, Critical thinking Brain storming, Argumentative, Critical thinking, Computational thinking	Prepare a PPT explaining the enthalpy and entropy changes occurring during the reaction. Experimental determination of enthalpy change when NaOH reacts with HCl
12.	Nov. 1 st – 15 th	Unit 7- Equilibrium	12	Equilibrium in physical and chemical processes, Law of chemical equilibrium, Application of K, Relationship between K, Q and G, Ionic equilibrium, Acids, Bases and salts, Buffer solutions, Solubility product	Student – teacher interaction, Demonstration, e-learning, Embodied learning, Activity oriented, Heuristic approach	Activity to study the shift of equilibrium with the change in concentration in Haber's process Activity to study the shift of equilibrium with the change in concentration in ionic equilibrium of Fe ²⁺ and SCN ⁻

13.	Nov. 16 th – 30 th	Unit 10- The s- block elements	5	General characteristics of Group 1 and group 2 elements, Diagonal relationship	Argumentative learning, Context based learning, Multimedia approach, Computational thinking	Mind map for Group 1 and Group 2
14.	Dec. 1 st – 10 th	Unit Test	-	-	-	-
15.	Dec. 11 th – 30 th	Unit 11- The p- block elements	6	Group 13 elements, Important trends and anomalous properties of Boron Group 14- Carbon family	Student- teacher interaction, Constructivist, collaborative learning, Context based learning, Inquiry based learning	ppt for exhibiting the structure of Diborane
16.	Jan 10 th to 25 th	Unit 13- Hydrocarbons	12	Classification , General methods of preparation of alkanes and alkenes and their physical and chemical properties Alkynes and Aromatic Hydrocarbons- their methods of preparation and physical and chemical properties.	Interactive and collaborative experience, incidental learning, Critical thinking, Visualization Brain storming, Critical thinking, Visualization, Integrative approach, Compare-contrast matrix, Peer learning, Reflective approach	3-D model of staggered and eclipsed conformation of Ethane by clay modelling 3-D model of staggered and eclipsed conformation of Ethane by clay modelling

NOTE:

Students will be asked to perform and record the practicals in their practical file as per the CBSE syllabus.

EXAM	UNIT/CHAPTER
Unit Test	5, 6 and 10
Pre Board-II	Entire syllabus

BIOLOGY SYLLABUS (2022-2023)**CLASS XI****TERM-I**

S.NO	Duration	Chapter/Topic	No: of Teaching Periods	Syllabus Covered	Pedagogy	Art Activity/Other Activities
1.	July 1 st -15 th	Biological Classification Plant Kingdom	11	Kingdom (i) Monera (ii) Protista (iii) Fungi (i) Life cycles-Bryo, Pterido, Gymno and Angiosperms	Recap with lolly lotto Use of Specimens Participatory technology	Outline diagram of different divisions Diagram of life cycles Plant specimens
2.	July 16 th -31 st	Animal Kingdom	12	Salient features of all phylum/classes of: (i) Chordates (ii) Non Chordates	Participatory Technology Use of animal specimens	Viewing Animal Specimens and listing evolutionary features
3.	Aug 1 st -15 th	Morphology of Flowering Plants Structural Organisation in Animals	6	(i) Structure and modifications of Stem, Root, Leaf and Flowers (i) Types of Animal tissue	Brain storming, activity oriented Learning through argumentation Use of Multimedia	Flower dissection Making a F.F Make a concept map of the chapter
4.	Aug 16 th -31 st	Cell – unit of life Biomolecules	12	(i) Cell organelles (ii) Structure of cell membrane (iii) Prokaryotes and Eukaryotes (i) Bio-macromolecules (ii) Enzymes-structure, classes, co-factors	Diagrams of cell organelles Recap with help of lolly lotto w.r.t organelles and its functions Video showing 3-D structure of DNA and different structures of	Flash cards based on cell organelles and its functions Food sample test-Glucose, Sucrose, Proteins, Fats Experiment on

					proteins	salivary amylase
7	Sept 1 st -15 th	Cell cycle and Cell Division <u>Semester Exam</u>	4	(i)Mitosis and Meiosis	Use of multimedia(PPT) Showing permanent slides of mitosis Brain storming, activity oriented	Slide preparation of onion root tip Make a concept map of the chapter

TERM-II

S.NO:	Duration	Chapter/Topic	No: of Teaching Periods	Syllabus Covered	Pedagogy	Art Activity/Other Activities
1.	Sept 16 th -30 th	<u>Semester Exam</u>	8	Random Sampling	Recap with lolly lotto Asking ques by Mentimeter	Make a concept map of different chapters
2.	Oct 1 st -15 th	Photosynthesis in Plants	11	(i)Light and Dark Reaction (ii)C ₃ and C ₄ Pathway (iii)Photorespiration	Brain storming Reflective Practice,	Plotting graph for various factors affecting photosynthesis Making of chromatogram
3.	Oct 16 th -31 st	Respiration in Plants	12	(i)Glycolysis (ii)TCA cycle (iii)Photorespiration	Flow chart of different pathways Use of multimedia	Concept map of pathways Draw diagram of ETC
4.	Nov 1 st -15 th	Plant Growth and Development	8	(i)Plant Hormones and its functions	Learning through group discussion Recap with lolly lotto	Make a concept map of the chapter

4.	Nov 16 th -30 th	Breathing and Exchange of Gases	12	(i)Human respiratory system (ii)Mechanism of breathing (iii)Disorders	Flow chart of different pathways E-learning Brainstorming	Word wall of terms of pulmonary system with meaning Make a concept map of the chapter
5.	Dec 1 st -15 th	Body Fluids and Circulation	11	(i)Components of blood (ii)Blood groups (iii)Human circulatory system (iv)ECG (v)Disorders	Diagram of Human heart Flow chart on blood circulation	Exit card on structure of heart and ECG
6.	Dec 16 th -31 st	Excretory Products and its Elimination	10	(i)Human excretory system (ii)Urine formation (iii)Hormonal control	Inductive-Deductive E-learning Use of Multimedia	Urine sample tests in the lab for abnormalities
7.	Jan 1 st -15 th	Locomotion and Movement	6	(i)Muscle contraction (ii)Muscular system (iii)Disorders	Diagram of sliding filament theory	Diagram of muscles and sarcomere
8.	Jan 16 th -31 st	Chemical Co-ordination	12	(i)Glands-Location, hormones & its functions	Participatory technology	Make a concept map in tabular form of the chapter
9.	Feb	Revision + Final Exam	10	Doubts will be taken + Revision	Student oriented	

EXAMINATION SCHEDULE

Examination	Max Marks	Month	Syllabus
First Semester	70	September	Unit-I & II (Diversity of living Organisms & Structural Organisation)
Unit Test- 2	25	December	-Photosynthesis -Respiration in plants -Plant Growth & Development
Final Exam	70	January	Unit – III, IV & V (Cell structure & Function, Plant Physiology & Human Physiology)

NOTE: Students will be asked to record the practicals in their file as the respective topics and activity will be completed in the class as per CBSE curriculum

Computer Science SYLLABUS**CLASS-XI (2022-23)****TERM-I**

S.No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centered)	Art Integrated/Other Activities
1.	July 1 st – 15 th	Comp System & Organisation	12	Basics of Computer Number system	Demonstration, E- learning, Brainstorming, Computational thinking	Prepare a digital collage on types of software.
2.	July 16 th – 31 st	Basics of python	12	1.Data types 2.Operators 3.Expressions	E- learning, Plausibility of Choices, Computational Thinking	Prepare a PPT on Operators
3.	August 1 st – 15 th	Conditional Statements	8	If statement	E- learning, Brainstorming, Stimulate discussion among students	Draw the decision tree of if statement
4.	August 16 th – 31 st	Iterative statements	10	while	E-Learning, Learning by doing, Flowchart method	Draw Pyramid of Stars and numbers
5.	Sep 1 st – 10 th	Iterative statements	6	For	E-Learning, Learning by doing, Flowchart method	Draw flowchart for sequence, conditional and iterative statements

Periodic Test 1:

1: Computer system and Organization

2: Basics of Python

Term 1

1: Computer system and Organization

2: Basics of Python

3. Conditional Statements

4: Iterative statements

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centered)	Art Integrated/Other Activities
2.	Oct. 1 st – 31 st	Sequence data types	7	List	Activity oriented, Use of Multimedia, Demonstration	Prepare a PPT on pop, delete and remove.
3.	Nov. 1 st – 15 th	Sequence data types	11	Strings	Activity oriented, Use of Multimedia, Demonstration	Show string concatenation and multiplication using animation
4.	Nov. 16 th – 30 th	Sequence data types	13	Two Dimensional list	Activity method, Experiential Learning , E-Learning	Displays a grid of Cell objects stored in a two-dimensional list.
5.	Dec.1 st – 15 th	Sequence data types	6	tuple	Activity method, Experiential Learning , E-Learning	Show on A4 sheet basic difference between List and tuple in context of mutable and non-mutable.
6.	Dec. 15 th – 31 st	Sequence data types	10	Dictionary	E- learning, Discussion, Concept based learning.	Make a collage on sequence data type in python.
7.	Jan. 1 st – 15 th	Python Module	5	Importing inbuilt modules	Teaching through presentation.	Create a GUI presentation on inbuilt modules in python.
8.	Jan. 16 th – 31 st	Cyber safety	11	Definition Types & cyber crimes	E-learning, Cloud computing and Discussion	Prepare a chart on A3 sheet on cyber safety and & crime
9.	Feb. 1 st – 15 th	Social Media Ethics	9		E- learning, Discussion, Think-pair and share method	Prepare a basic instruction poster to show Social Media Ethics

Periodic Test 2:

- 1: List
- 2: String

Final Exam

Complete Syllabus

Reeta Sahoo

ECONOMICS
SYLLABUS, CLASS XI, 2022-23

S.No.	Month	Duration	Number Of Teaching Days	Topic/Syllabus Covered	Pedagogy	Art Integrated Activity
1	JULY	1.7.22 - 15.7.22	12	Statistics: o Meaning o Functions o Limitations o Importance	o Explanation with examples o Discussion o Debate on 'Is All Data Statistics'	o Graphic Order (GO) of Functions of Statistics
		16.7.22 - 31.7.22	13	o Collection and Organisation of Statistical Data o Presentation of Statistical Data	o Explanation - Sketching Diagrams - Drawing Graphs o Survey: 'Collection of data on the product to be marketed' - Use of Questionnaire and Presentation Techniques	o Tabulation o Diagrams/ Pictorial Representation of Data o Graphs
2	AUGUST	1.8.22 - 15.8.22	8	o Measures of Central Tendency	o Tabular Presentation to prove that 'Mode Need Not Represent Majority'	o Draw: - Ogive to locate Median - Histogram to locate Mode
		16.8.22 - 31.8.22	13	o Introduction to Microeconomics o Consumer Equilibrium o Demand o Price Elasticity of Demand	o Inductive and Deductive Logics o Brainstorming o Story Telling on the Principle of Diminishing Marginal Utility (DMU) o Comparison b/w Cardinal and Ordinal Utilities o Quiz o Case Studies	o Chart Making on 'Analysing the relationship between central problems and human activities'. o Draw diagrams to depict Ordinal Utilities (through the use of balloons)
3	SEPTEMBER	1.9.22 - 15.9.22	5	REVISION of TERM I Syllabus	Solving sample papers	Designing Mock question paper
		16.9.22 - 30.9.22	5	o Correlation Analysis	o Judgement on degree of correlation	o Tabular Presentation of Degree and Magnitude of Correlation
4	OCTOBER	1.10.22 - 15.10.22	6	o Scatter Diagrams o Measure of Dispersion- Standard Deviation.	o Analysis and Interpretation of scatter diagrams o Solving Problems on the 3 types of Statistical Series	o Draw and interpret scatter on graph paper o Poster Making on 'Uses of Standard Deviation'
		16.10.22 - 30.10.22	10	o Index Numbers	o Discussion o Comparison o Heuristic Method	o Graphic Order (GO) on different methods of construction of Index Numbers o Collection of Sensex Observations for 10 consecutive days followed by the construction of Time Series Graphs / Price Index Numbers over these days
5	NOVEMBER	1.11.22 - 15.11.22	10	o Producer Behaviour o Production o Costs	o Experimentation o Mirror Images of Production and Cost o Comparative Study of Cost Structures	o Graphs showing 'Various Phases of Production'
		16.11.22 - 31.11.22	9	o Supply o Price Elasticity of Supply	o Case Studies o Analyse graphs and data related to changes in Supply	o Role Play - class divided into Producer and Consumer groups followed by an interactive discussion
6	DECEMBER	1.12.22 - 15.12.22	6	Revision of UT Syllabus	Revision	Revision
		16.12.22 - 31.12.22	12	o Market Forms	o Case Studies o Demonstrations o Quiz	o Creating a Bubble Diagram to show 'Determinants of Market Structure' o find real life examples for perfect competition.
7	January	1.01.22 - 15.01.22	5	o Price Determination under Perfect Competition	o Analysis of Short-run and long run equilibrium. o Case Studies o Chain Reactions of different instances of: - Excess Supply	o Poster Making on 'MSP and PDS Pricing'
		16.01.22 - 31.01.22	11	o Simple Applications of the Tools of Demand and Supply o Simultaneous Changes in Demand and Supply	o Application of each case o Impact of each diagram on Equilibrium Price and Equilibrium Quantity o Case Studies	changes in either Demand or Supply (in triplets) on a poster o Draw diagrams of different cases of simultaneous shifts in Demand and Supply (in triplets) on a poster
8	February	1.02.22 - 10.02.22	5	Revision	Revision	Revision

TEST SCHEDULE; ECONOMICS; CLASS XI; 2022-23

Date	Unit	Topic
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September	I-Term Examination	Unit 1: Introduction - Statistics
		Unit 2: Collection and organization of statistical data
		Unit 2: Presentation of statistical data
		Unit 2: Collection and organization of statistical data
		Unit 2: Presentation of statistical data
		Unit 3: Measures of central tendency
		Unit 4: Introduction to Microeconomics
December	Unit Test	Unit 5: Consumer equilibrium and demand
		Unit 3: Measures of dispersion
		Unit 3: Correlation Analysis
		Unit 3: Index Numbers
February	Annual Examination	Unit 6: Producer behavior and supply
		The Whole Course

Important:

Project (20 Marks) - Survey 15 households online for a product you are launching in the market using the technique of questionnaire. Tabulate the information per question and present it using all the techniques of presentation of statistical data. Make a file.

BUSINESS STUDIES SYLLABUS**CLASS-XI (2022-23)****TERM-I**

S. No.	Duration	Chapter/Topic	No. of Teaching Days	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	July 1 st – 15 th	Unit 1: Evolution and Fundamentals of Business	12	Ch1: History of Trade and Commerce in India Business, profession, and employment- Concept Business – meaning, characteristics & Objectives Classification of business activities - Industry and Commerce Business risk- Concept	PPT E- learning, Brainstorming, Context based learning.	1. Select a local business unit and find out- the objectives it pursues/risks faced by it. 2. Draw a flow chart showing the classification of business activities
2.	July 16 th – 30 th	Unit 2: Forms of Business Organizations	12	Ch2: Concept, merits, and limitations of --Sole Proprietorship - Partnership types, . registration Types of partners -Hindu Undivided Family Business: Concept -Cooperative Societies types, Company -; Types: Private, Public and One Person Company – Concept Formation of the company – stages. important documents Choice of the form of business organization	Incidental Learning, Context Based Learning, Brainstorming	1 Make a PPT on types of cooperative societies with real life operational cooperatives Make a specimen draft of Certificate of incorporation

3.	August 1 st – 15th	Unit 3: Public, Private and Global Enterprises	8	Ch 3: Public sector and private sector enterprises – Concept Forms of PSE: Departmental Undertakings, Statutory Corporations, and Government Co. Global Enterprises – Feature. Joint ventures, Public-private partnership – concept	Brainstorming, Experiential learning Discussion	Collect information on at least one company which has been selected for disinvestment. Examine the controversies surrounding it and present it as a PPT
4.	August 16 th – 31st	Unit 4: Business Services & Unit 5: Emerging Modes of Business	13	Ch 4: Business services – meaning and types. Banking: Types of bank accounts Banking services, E-Banking meaning, Types of digital payments Insurance – Principles. Types Postal Service Ch 5: E-business: concept, scope, and benefits	Brainstorming, Incidental learning Argumentation,	Collect information about various facilities and services offered by banks and compile them in the form of a presentation.
5.	Sept. 1 st – 15 th	Unit5(contd.) & Revision for Sem. Exams	5	Business Process Outsourcing (BPO): Concept, need, and scope Revision for Sem. Exams	Inductive Deductive, Brainstorming, E-learning	Make a concept map of the chapter. Solving case studies and competency-based questions

Note: Students will be asked to prepare projects as per the CBSE syllabus.

TERM 1 : Chapters 1, 2, 3, 4 & 5

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Days	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
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1.	Sept. 16 th – 30 th	Unit 6: Social Responsibility of Business and Business Ethics	10	Ch6: Social responsibility- Concept Case for, Responsibility towards owners, investors, consumers, employees, government, and community	Didactic questioning Discussion	PPT On how business organisations in India are fulfilling their social responsibility towards various interest groups in the pandemic.
2.	Oct. 1 st – 15 th	Unit 6 (contd.) & Unit 7: Sources of Business Finance	7	Ch 6: Role of business in environmental protection. Business Ethics - Concept & Elements Ch 7: Business finance: Concept & Importance; Classification Owners' funds- retained earnings,	Group learning Inquiry learning	1. Numericals based on Trading on Equity 2. Students asking questions framed by them from each other.
3.	Oct. 16 th – 31 st	Unit 7: Sources of Business Finance (Contd.)	10	Chapter 7: contd. Equity shares, preferences share, GDR, ADR, and IDR – concept Borrowed funds: debentures and bonds, loan from a financial institution and commercial banks,	E-learning, Cooperative learning. Computational Learning	Calculate the EPS to understand the concept of Financial Leverage
4.	Nov. 1 st – 15 th	Unit 7: Sources of Business Finance (Contd.)	10	Ch 7: contd. Public deposits, trade credit Borrowed funds: Inter Corporate Deposits (ICD) – Concept	Activity method, Experiential Learning ,	Prepare Case studies and ask from each other.
5.	Nov. 16 th – 30 th	Unit 8: Small Business and Entrepreneurship Development	9	Ch 8: Entrepreneurship Development (ED): Concept and Need. Process of ED, Start-up India Scheme, ways to fund the start-up. Intellectual Property Rights and Entrepreneurship; Small scale enterprise	Brainstorming, Didactic learning, Cooperative learning	Collect information about the kind of problems faced by Small Scale units and find out if they have received any assistance by the institutions set up by the government. Present it in groups.

				:Definition Role of small business in India w.r.t. rural areas Govt. schemes and agencies for small scale industries: (NSIC) & (DIC) w.r.t rural, backward areas		
6.	Dec. 1 st – 15 th	Periodic test & Unit 9: Internal Trade	6	Ch 9: Internal trade - meaning and types of services rendered by a wholesaler and a retailer	E- Learning, Discussion, Concept based learning.	1. Identify various fixed shop retailers in your locality and classify them according to different types.
7.	Dec. 16 th – 31 st	Unit 9: Internal Trade(contd.)	11	Ch 9 : Large scale retailers- Departmental stores, chain stores – concept Types of retail-trade- Itinerant and small scale fixed shops retailers GST (Goods and Services Tax): Concept	Learning Through Argumentation, Incidental Learning,	Observe the services provided by a small scale and a large scale retailer selling the same product. Compare their features – state the similarities and differences.
8.	Jan. 9 th – 15 th	Unit 10: International Trade	5	Ch10: International trade: concept and benefits.	Brainstorming, Inquiry learning.	Make a crossword on the terms used
9.	Jan. 16 th – 31 st	Unit 10: (Contd.)	10	Ch10 : Export trade – Meaning & procedure Import Trade - Meaning & procedure Documents involved in International Trade World Trade Organization (WTO) meaning and objectives	E- Learning, Discussion, Concept based learning.	1. Make a concept map of the chapter. 2. Case studies
10.	Feb. 1 st – 15 th	Revision	12	Revision	Cooperative learning. Group interaction.	Discussion on case studies and competency-based questions.

Periodic Test 2:

Chapter-6: Social Responsibility of Business and Business Ethics

Chapter-7: Sources of Business Finance

Chapter-8: Small Business and Entrepreneurship Development (partly)

ACCOUNTANCY SYLLABUS (2022-23)
CLASS XI FIRST SEMESTER (July –September)

S.No	Duration	Chapter/Topic	No.of teachi ng Days	Syllabus Covered	Pedagogy (Learner- Centered)	Art Integrated/Othe r Activities
1.	July (1-15)	UNIT I Chp 1: Introduction to Accounting	11	*Meaning and Objectives of Accounting *Accounting Cycle *Book Keeping vs Accounting *Users of Accounting Information *Advantages and Limitations of Accounting *Systems of Accounting	*Modified Lecture Method *Inquiry Based Learning	*Draw a G O depicting different users of Accounting Information using mind- mapping technique
2.		Chp 2: Accounting Terminology		*Basic accounting terms to be explained and discussed	*Lecture Method	* Crossword of new accounting terms leaned
3.	July (16-31)	Chp 3: Theory Base of Accounting	13	*Meaning of GAAP *Accounting Concepts, Conventions and Principles *Accounting Standards *IFRS	*Modern Lecture Method	* Create a Slideshow/PPT of different Accounting Principles and Concepts
4.		Chp 4: Bases of Accounting		*Cash Basis and Accrual Basis of	*Inquiry Based	

5.		UNIT 2 Chp 5: Accounting Equation		Accounting *Meaning of Accounting Equation *Preparation of Accounting Equation *Classification of Accounts as per Traditional and Modern Approach *Rules of Debit and credit for Real, Nominal and Personal Accounts	*Lecture Method *Showing the format *Enhanced Lecture Method	*Problems on Accounting Equations
6.		Chp 6: Rules of Debit and Credit				
7.	August (1-15)	Chp 7: Source Documents and Vouchers	8	*Meaning and Types of Source Documents *Meaning and Types of Accounting Vouchers *Preparation of Accounting Vouchers *Meaning, Definition and features of Journal *Introduction of GST (Goods and Service Tax) *Passing of Journal Entries using the rules of debit and	*Deductive Approach *Visual Based Learning *Context-Based Learning *Lecture Method	*Collection of Source Documents and Vouchers and make a Project File showing different Types of Source Documents and Vouchers. *Problem Solving
8.		Chp 8: Journal				

				credit		
9.	August (16-31)	Chp 8: Journal (contd)	13	*Journal Entries for different transactions	*Didactic Questioning	* Creation of an Imaginary firm with imaginary transactions (at least 10). Give a name to the firm and then pass necessary journal entries for the accounting year taken in the firm created.
10.		Chp 9: Ledger		*Meaning of Ledger *Posting from Journal to Ledger and to Trial Balance	*Lecture Method	* Post the entries of the above firm to the Ledger and draw out a Trial Balance
11.		Chp 10: Cash Book		*Meaning and Importance of Cash Book *Types of Cash Book *Preparation of different types of Cash Book	*Modified Lecture Method	*Problem Solving in the class
12.	September (1-15)	Chp 11: Other Subsidiary Books	5	*Meaning of Special Purpose Subsidiary Books *Types of Subsidiary Books- Purchases Book, Sales book etc.	*Visual Based Learning *Cooperative Learning	
13.	September (16-31)	Chp 12: Bank	5	*Meaning of BRS	*Modern Lecture	* Comparison of Cash Book with

		Reconciliation Statement		*Need and Importance of BRS *Causes of differences between Balance as per Cash Book and Balance as per Pass Book *Preparation of BRS	Method *Brain-Storming	Pass Book and identifying the causes of differences between the two.
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SYLLABUS FOR PERIODIC TEST AND FIRST SEMESTER EXAM

PERIODIC TEST I- Chp 1 Introduction to Accounting

Chp 2 Basic Accounting Terms

Chp 3 Theory Base of Accounting

Chp 4 Bases of Accounting

Chp 5 Accounting Equation

Chp 6 Rules of Debit and Credit

FIRST SEMESTER EXAMINATION: Chp 1, Chp 2 ,Chp 3,Chp 5, Chp 6, Chp 7, Chp 8 & 9 Chp 10 ,
Chp 11, Chp 12

SECOND SEMESTER (October –February)

S.No	Duration	Chapter/Topic	No.of teaching Days	Syllabus Covered	Pedagogy (Learner-Centered)	Art Integrated/Other Activities
1.	October (1-15)	Chp 13: Trial Balance	6	*Meaning of Trial Balance *Importance and Significance of Trial Balance	*Lecture Method	*Students will take imaginary Debit and Credit balances of various assets, liabilities, expenses etc and Draw a Trial Balance as on a particular date.

2.		Chp 14: Depreciation (introduction)		<ul style="list-style-type: none"> *Meaning and Need of Depreciation *Methods of Charging Depreciation: <ul style="list-style-type: none"> a)Straight Line Method b)Written Down Value Method 	<ul style="list-style-type: none"> *Inquiry Based *Lecture Method 	
3.	October (16-31)	Chp 14: Depreciation (contd)	10	<ul style="list-style-type: none"> *Preparation of machinery Account *Provision for Depreciation Account *Machinery Disposal Account 	<ul style="list-style-type: none"> *Modern Lecture Method *Inductive Approach 	*Slide Show for different methods of Depreciation
4.		Chp 15: Provisions and Reserves		<ul style="list-style-type: none"> *Meaning of Provisions and Reserves *Classification of Reserves 	*Lecture Method	*Oral Questioning
5.		Chp 16: Accounting for Bills of Exchange		<ul style="list-style-type: none"> *Meaning and Definition of Bills of Exchange and Promissory Note *Parties to a Bill of Exchange and Promissory Note *Important Terms related to Bill of Exchange 	<ul style="list-style-type: none"> *Visual Based Learning (showing of Bill of Exchange and Promissory Note) *Enhanced Lecture Method 	*Make Flash Cards for all the important terms related to Bill of Exchange

6.	November (1-15)	Chp 16: Bills of Exchange (contd)	10	*Numerical Questions	*Interactive Lecture Method	
7.		Chp 17: Rectification of Errors		*Classification of Types of errors *Identification of Errors	*Cooperative Learning Technique	* Chart showing Classification of Types of Accounting Errors with examples
8.	November (16-31)	Chp 17: Rectification of Errors (contd)	9	*Meaning of Suspense Account *Passing of Rectifying entries and preparation of Suspense Account	*Enhanced Lecture Method	* Quiz on Identification of type of error (group activity)
9.	December (1-15)	UNIT 3 Chp 18: Financial Statements of Sole Proprietorship (without Adjustments)	4	*Meaning of Financial Statements *Types of Financial Statements *Preparation of Trading Account without adjustments	*Didactic Questioning *Lecture Method	* PPT showing different Financial Statements with their meaning and importance
10.		Financial Statements without Adjustments (contd)		*Preparation of Profit and Loss Account and Balance Sheet	*Lecture Method	
11.	December (16-31)	Chp 19: Financial Statements (With adjustments)	12	*Need for adjustments in Financial Statements *Treatment	*Modified Lecture Method	*Show all the adjustments and their treatment in Financial Statements

				of Adjustments-outstanding expenses, accrued incomes etc.		through Mind-Mapping Technique
12.	January (9-15)	Financial Statements with adjustments (contd)	5	*Preparation of Financial Statements with adjustments	*Cooperative Learning	
13.	January (16-31)	Chp 20: Accounts from Incomplete Records-Single Entry System	12	*Meaning of Single Entry System *Calculation of profit and loss from Incomplete Records *Meaning and preparation of Statement of Affairs and Statement of Profit and Loss	*Lecture Method *Visual Based instructions	*Make a Chart showing difference between Double Entry System and Single Entry System *Collect information of financial transactions from a nearby shop for a month and try to calculate his Profit or Loss for a month using the Statement of Affairs Method
14.		Chp 21: Computers in Accounting		*Meaning of Computer *Capabilities and Limitations of a Computer System *Hardware, Software, Humanware *Advantages And Limitations of Computerised Accounting	*Inductive Approach *Inquiry Based *Lecture Method	

				System. *Accounting Information System		*Quiz on Hardware, Software and AIS
15.	February (1-10)	Revision	5		*Interaction with students *Clearing of doubts *Giving extra questions for practice	

SYLLABUS FOR PERIODIC TEST AND SECOND SEMESTER EXAM

PERIODIC TEST II: Chp 14 Depreciation

Chp 15 Provisions and Reserves

Chp 16 Accounting for Bills of Exchange

Chp 17 Rectification of Errors

FINAL EXAMINATION: Entire Syllabus

-----**THE END**-----

CLASS - XI

HISTORY SYLLABUS (2022-23)

TERM-1

S.No	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus covered	Pedagogy (learner-centred)	Art Integrated/ Other Activities
1	1 st -15 July	Writing and city life	7 Days	*Debate on decipher. *urbanization. * legacy of writing.	*Constructive method	*Clay modelling of clay tablet
2	16 th -31 July	An empire across the three continents	13 Days	* Political revolution and the establishment. * An Economic expansion. *The institution of slavery.	*Collaborative method	*Role play on Augustus *Presentation on the Augustus
3	1 st – 15 Aug.	Central Islamic Lands	8 Days	* Arabic polity. * Islamic economy. * Learning and culture.	*Inquiry method	*Declamation on the principals of Prophet Muhammad.
4	16 th -31 Aug.	Central Islamic Lands (Contd.) The Three Orders	13 Days	*Learning and culture. * Feudalism * The three orders. * A fourth orders: New Towns and town people. * The 14th century crises.	*Integrated method *Collaborative method	* Continuation Social disparity will be shown with the help of “Role Play”. Presentation on Humanists thought.
5	1 st -15 Sep.	Revision of all above chapters	6 Days	All above chapters would be taken again and solution of their queries will be	* Descriptive and Questioning method	_____

				provided.		
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TERM -2

S.No	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus covered	Pedagogy (learner-centred)	Art Integrated/ Other Activities
6	16 th – 30 th September	Changing Culture and Traditions	5	* The reformation causes and results. * The Debate. * European voyages of exploration.	Constructive method	Research Proposal Will be Prepared by half of the class. As per their interest.
7	1 st -15 th October	Changing Culture and Traditions (Contd.)	8	* The Debate. * European voyages of exploration.	Explanatory Method	Continued as above.
8	16 st -31 st October	The Industrial revolution	10	* Industrial revolution. * Emergence of working class.	Inquiry method	Research Proposal by remaining half class.
9	1 st – 15 th November	The industrial Revolution (Contd.)	11	*Impact of industrial revolution. *women at front	Constructive Method	Discussion will take place with special reference to women in particular.
10	16 th -31 st November	Displacing indigenous People	13	* Europeans colonies and the displacement and repression of the locals - North America and Canada.	Descriptive method	Students would be asked to share their home town's traditions and cultures.
11	1 st -15 th December	Displacing indigenous People (Contd.)	6	*History of Gold Rush. * Impact on Indigenous people.	Explanatory Method	Contd.
12	16 th -31 st	Paths to	13	*Militarisation	Constructive	Debate on

	December	Modernization		and economic growth in Japan. *China and the Communist alternative.	Method	the current issues with Japan and China
13	1 st – 15 th January	Paths to Modernisation (Contd.)	5	*Globalisation * China and Communist Alternatives	Explanatory method	Same activity to be continued.
14	16 th – 31 st January	Revision of all Term-2 Chapters	13	All sub topics would be taken up.	_____	_____

ASSESSMENT

Allocation of Marks (10+10=20)

The marks will be allocated under the following heads:

1	Project Synopsis	2 Marks
2	Data/ Statical analysis / Map work	3 Marks
3	Visual/ Overall presentation	5 Marks
4	Analysis / Explanation and interpretation	5 Marks
5	Bibliography	1 Marks
6	Viva	4 Marks

Bifurcation of Practical Marks

Term-1 =10

Term-2 = 10

Total = 20 MARKS

NOTE : Map Work is included in both Terms.

TEST SCHEDULE –

EXAM SCHEDULE	CHAPTERS TO BE COVERED	MARKS
TERM - 1	<ul style="list-style-type: none"> Writing and City Life An Empire across three continents Central Islamic Lands The Three Orders 	80
UNIT- 1	<ul style="list-style-type: none"> Changing Cultures and 	50

	traditions <ul style="list-style-type: none"> • Industrial Revolution 	
TERM – 2	<ul style="list-style-type: none"> • Changing cultures and traditions • Industrial revolution • Displacing Indigenous People • Paths towards modernisation. 	80

If CBSE Board will make any changes, then this above syllabus will also be changed as per CBSE's new guidelines.

*******THE END*******

Month-wise Syllabus
Subject-Political Science
Class-XI
(2022-23)
(Code No. 208)

<u>Sl. No</u> :	<u>Duration</u>	<u>Topic</u>	<u>Syllabus to be covered</u>	<u>No. of Periods</u>	<u>Pedagogy</u>	<u>Art integration/ Subject Enrichment Activity</u>
1.	1 st to 15 th July	Constitution	<ul style="list-style-type: none"> • The making of the constitution • The Constituent Assembly, Procedural achievements and Philosophy of the Constitution • Fundamental Rights and Duties • Directive Principles of State Policy, Constitutional Amendments 	07	<p>Constructivist Approach (based on the principle of learning which emphasizes constructing knowledge by linking with previous Knowledge)</p> <p>Deductive Approach (to teaching-learning involves providing students with principles and generalizations and asking them to verify these with the help of particular examples.) Like:</p> <ul style="list-style-type: none"> ➤ Community Resource ➤ Current Events ➤ Reflective 	Make a table of Sources of Indian Constitution. Both National and International

					Enquiry	
2.	16 th to 31 st July	Election and Representation	<ul style="list-style-type: none"> • Elections and Democracy • Election system in India • Reservation of constituency 	07	<p>Inductive Method (by discussing real facts and stories of Indian Politics) Like:</p> <ul style="list-style-type: none"> ➤ Current issues ➤ Facts discussion 	Mock Elections
	16 th to 31 st July	Local Governments	<ul style="list-style-type: none"> • Why do we need Local Governments? • Growth of Local Government in India. • 73rd and 74th Amendments • Implementation of 73rd and 74th Amendments 	06	<p>Inductive Method (by discussing real facts and stories of Indian Politics) Like:</p> <ul style="list-style-type: none"> ➤ Current issues ➤ Facts discussion 	<p>Report on working of local government in India.</p> <p>Points to be covered:</p> <ul style="list-style-type: none"> ➤ Background ➤ Growth ➤ Achievement ➤ Reform
3.	1 st to 15 th August	Part B: Political Theory-An introduction	<ul style="list-style-type: none"> • What is Politics? • What do we study in Political Theory? • Putting Political Theory into practice. • Why should we study Political Theory? 	08	<p>Deductive Approach (to teaching-learning involves providing students with principles and generalizations and asking them to verify these with the help of particular examples.) Like:</p>	Group Discussion on the Importance of Political Theory in contemporary world.

					<ul style="list-style-type: none"> ➤ Community Resource ➤ Current Events Reflective Enquiry 	
4.	16 th to 31 st August	Rights	<ul style="list-style-type: none"> • What are Rights? • Where do Rights come from? • Legal Rights and the State. • Kinds of Rights. • Rights and Responsibilities. 	06		Quiz on Fundamentals Rights in India
	16 th to 31 st August	Development	<ul style="list-style-type: none"> • What is development? • Criticism of the dominant. • Development Model. • Alternative conceptions of development. 	12	Inductive Method (by discussing real fact and stories of Indian Politics) Like: <ul style="list-style-type: none"> ➤ Current Issues ➤ Facts Discussion ➤ Case Study 	Project on Development policies of India.
6.	1 st to 15 th September	Revision of Term-1 syllabus	Book-1 Chapter-Constitution Why and How? Chapter-Election and Representation Chapter-Local Government Book-2 Chapter-Political Theory Chapter- Rights Chapter-9 Development	6		

7.	16 th to 30 th September	Legislature	<p>Why do we need a Parliament?</p> <ul style="list-style-type: none"> • Two Houses of Parliament. • Functions and Power of the Parliament • Legislative functions • Control over Executive. • Parliamentary Committees • Self-regulation 	05	<p>(Interdisciplinary Approach) to teaching-learning aims at creating connections between the subject of Political Science with other disciplines)</p> <p>Like:</p> <ul style="list-style-type: none"> ➤ Debate ➤ Discussion ➤ Current Issues 	Presentation on the discretionary powers to Prime Minister and President of India
6.	1 st to 15 th October	Legislature(c ontd.)	<p>Why do we need a Parliament?</p> <ul style="list-style-type: none"> • Two Houses of Parliament. • Functions and Power of the Parliament • Legislative functions • Control over Executive. • Parliamentary Committees • Self-regulation 	08	<p>(Interdisciplinary Approach) to teaching-learning aims at creating connections between the subject of Political Science with other disciplines)</p> <p>Like:</p> <ul style="list-style-type: none"> ➤ Debate ➤ Discussion ➤ Current Issues 	Presentation on the discretionary powers to Prime Minister and President of India
7.	16 th to 31 st October	Executive	<ul style="list-style-type: none"> • What is an Executive? • Different Types of Executive. • Parliamentary Executive In India, Prime Minister and Council of Ministers. 	10		Debate on: Permanent V/s. Political Executive

			<ul style="list-style-type: none"> Permanent Executive: Bureaucracy 			
8.	1 st to 15 th November	Judiciary	<ul style="list-style-type: none"> Why do we need an Independent Judiciary? Structure of the Judiciary Judicial Activism Judiciary and Rights Judiciary and Parliament 	11	(Inter-disciplinary Approach) to teaching-learning aims at creating connections between the subject of Political Science with other disciplines. Like: <ul style="list-style-type: none"> ➤ Debate ➤ Discussion ➤ Current Issues 	Moot Court: Whole class will be divided in 4 to 5 groups. Each group will take any famous case of Indian Judiciary and will give mock presentation of that case.
9.	16 th to 30 th November	Freedom	<ul style="list-style-type: none"> The ideal of Freedom. What is Freedom? Why do we need constraints? Harm principle. Negative and Positive Liberty. 	11	(Inter-disciplinary Approach) to teaching-learning aims at creating connections between the subject of Political Science with other disciplines. Like: <ul style="list-style-type: none"> ➤ Debate ➤ Discussion ➤ Current Issues 	Report on countries still fighting for Freedom or Democracy.
10.	1 st to 15 th December	Equality	<ul style="list-style-type: none"> Significance of Equality What is Equality Various dimensions of Equality How can we promote Equality? 			

11.	16 th to 31 st December	Social Justice	<ul style="list-style-type: none"> • What is Justice • Justice Distribution • Justice as fairness. Pursuing Social Justice • Different dimensions of Justice, Distributive Justice 	12	(Inter-disciplinary Approach) to teaching-learning aims at creating connections between the subject of Political Science with other disciplines. Like: <ul style="list-style-type: none"> ➤ Debate ➤ Discussion ➤ Current Issues 	Poster making on any social issues.
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Prescribed Books:

1. Indian Constitution at Work, Class XI, Published by NCERT
2. Political Theory, Class XI, Published by NCERT
3. Uploaded Additional Study Material

- **Project Work (20 Marks)**

Details of Project Work

1. The Project work will be implemented in Class XI from the session i. e., 2022-23.
2. Out of 20 marks, 10 marks are to be allotted to viva voce and 10 marks for project work.
3. For class XI, only internal assessment is to be done.
4. The project can be individual/ pair/ group of 4-5 each. The Project can be made on any of the topics given in the syllabus of a particular class.
5. The suggestive list of activities for project work is as follows:- Role Play, Skit, Presentation, Model, Field Survey, Mock Drills/ Mock Event etc.
6. The teacher should give enough time for preparation of the Project Work. The topics for Project Work taken up by the student must be discussed by the teacher in class room.

Syllabus for Written Assessments:

Mid-term Syllabus

Book-1

Chapter- Constitution Why and How?

Chapter- Election and Representation

Chapter- Local Government

Book-2

Chapter- Political Theory

Chapter- Rights

Chapter- Development

Unit Test

Chapter-Legislature

Chapter -Executive

Chapter-Judiciary

Final Semester

Book -1

Chapter- Legislature

Chapter -Executive

Chapter -Judiciary

Book -2

Chapter- Equality

Chapter- Freedom

Chapter-Social Justice

MONTFORT SCHOOL ASHOK VIHAR
11TH STANDARD SYLLABUS – 2022-23

Subject - Psychology

S.NO	Duration	Chapter	No of teaching periods	Syllabus covered	pedagogy	Art integrated activities	Marks allotted
1	1 st -20 th july	What is psychology	18	<ul style="list-style-type: none"> • Introduction to psychology • Understanding mind and behavior • Development of psychology in India • Psychology at work • Psychology in everyday life 	Collaborative method	Clay modeling and role modeling	10
2	21 st july – 10 th august	Method of inquiry in psychology	20	<ul style="list-style-type: none"> • Goals of psychological enquiry • Nature of psychological data • Important methods in psychology • Analysis of data • Limitations of psychological enquiry • Ethical issues 	Example based and explanatory method	Poster presentation and models.	13
3	11 th august – 10 th september	The bases of human behavior	12	<ul style="list-style-type: none"> • Evolutionary perspective • Biological and cultural roots • Structure and functioning of nervous system • Heredity-genes and behavior • Enculturation, socialization and acculturation. 	Elaborative method	One act plays, short movie reviews	12
TERM – 2							
4	11 th September – 30 th	Human development	16	<ul style="list-style-type: none"> • Meaning of development • Life span 	Experience based learning,	Interviews can be conducted	9

MONTFORT SCHOOL ASHOK VIHAR
11TH STANDARD SYLLABUS – 2022-23

Subject - Psychology

	September			<p>perspective</p> <ul style="list-style-type: none"> • Factors influencing development • Context of development • Overview of developmental stages 	practical examples and elaborative method	on a few subjects of different age groups and the results can be analyzed.	
5	1 st October – 25 th October	Sensory, attention and perceptual processes	12	<ul style="list-style-type: none"> • Knowing the world • Nature and varieties of stimulus • Sense modalities • Perceptual processes • Principles of perceptual organization • The perception of space, depth and distance 	Collaborative method	Project, role play and analyzing newspaper articles	8
6	26 th October – 19 th November	Learning	17	<ul style="list-style-type: none"> • Nature of learning • Paradigms of learning • Classical conditioning • Operant conditioning • Observation learning • Verbal learning • Skill learning 	Elaborative method	Short stories, experience narration and short plays	10
7	20 th October – 17 th November	Human memory	15	<ul style="list-style-type: none"> • Nature of memory • Information processing approach • Memory system • Levels of processing • Types of long term memory • Nature and causes of forgetting 	Collaborative method and example based learning	Experiments conduction	8

MONTFORT SCHOOL ASHOK VIHAR
11TH STANDARD SYLLABUS – 2022-23
Subject - Psychology

Assessment – practical

TERM	MARKS	TOPIC	DESCRIPTION
1	6	Project file	The student shall be required to undertake one project. The project would involve the use of different method of enquiry and related skills
	6	Presentation of project	
	3	Viva	
TOTAL	15		
2	5	Practical file	The students shall be required to conduct one experiment related to the topics in the course.
	3	Viva	
	7 (3 writing + 4 conduction)	Conduction of one experiment and report writing	
TOTAL	15		

Teacher – Ritika chawla (mob no – 9999955896)

PHYSICAL EDUCATION SYLLABUS

CLASS-XI (2022-23)

TERM-I

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities	
1.	July 1 st – 15 th	Changing Trends and Career In Physical Education	12	Unit 1.1 Unit 1.2 Unit 1.3 Unit 1.4 Unit 1.5	E-Learning, Discussion, Inductive-deductive, use of Multimedia	Design a poster to show the effect of exercise on the body.	
2.	July 16 th – 31 st	Physical Fitness, wellness, Lifestyle	6	Unit 3.1 Unit 3.2 Unit 3.3	Use of Multimedia, Demonstration, Inquiry based approach.	<i>Art Integration – AEROBIC EXERCISE</i> Working in Groups, *choose the dance style you wish to incorporate into your exercise routine. *learn/improvise steps. *choose/create your own music. *set the dance steps to music. <i>Perform your Aerobic Dance Activity.</i>	
3.	August 1 st – 15 th	Olympic Values Education	12	Unit 2.1 Unit 2.2 Unit 2.3 Unit 2.4	E-Learning, Brainstorming, Interactive cum Discussion method, video & screen sharing	Select one of the following Olympic Games and working in groups, research to find out more about it. • 1920 • 1936 • 1948 • 1972 • 1976 • 1980 Present your ideas to the class in the form of a <i>Power Point Presentation</i> .	

4.	August 16 th – 31 st	Physical Education & Sports for CWSN	12	Unit 4.1 Unit 4.2 Unit 4.3 Unit 4.4 Unit 4.5 Unit 4.6	Inductive- Deductive method	Find out about Indian athletes who have won medals at the Paralympics and the Special Olympics. What disability did they suffer from? In which game did they win The medal?	
5.	Sept 1 st - 15 th	Yoga	12	Unit 5.1 Unit 5.2 Unit 5.3 Unit 5.4 Unit 5.5	Demonstration, E-learning, Activity oriented	Perform any two <i>Asanas</i> for 8 consecutive days and write 3 changes which take place in you after 8th day.	
6.	Sept. 16 th – 30 st	Practical-1 Yoga Practices Practical-2 Computation of BMI from Family & neighbourhood Practical-3 List of Current year National Awards	10	Asanas for Improving Concentration. National Awardees related to Rajiv Gandhi Khel ratan Award, Arjun Award	Demonstration, E-learning, Activity oriented	Every Student will have to explain the procedure, and contraindication of five asanas .	

Periodic Test 1:

Unit-1: Changing Trends & Career In Physical Education

Unit-3: Physical Fitness, Wellness and Lifestyle

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	Oct. 1 st – 15 th	Physical Activity and Leadership Training	8	Unit 6.1 Unit 6.2	Activity oriented, Use of Multimedia, Demonstration	Art Integration – CREATING AN ADVENTURE SPORT OUTFIT DESIGN LINE Also design a Logo for your Brand. Prepare an advertisement for your brand. It could be for Print, Radio or TV.
3.	Oct. 16 th – 31 st	Test Measurement and Evaluation	12	Unit 7.1 Unit 7.2 Unit 7.3 Unit 7.4	Use of Multimedia, Interactive cum discussion method.	Record the height and weight of your family members. *Find the BMI by applying formula. *Find the Waist Hip Ratio
4.	Nov. 1 st – 15 th	Fundamental of Anatomy, Physiology & Kinesiology in sports	12	Unit 8.1 Unit 8.2 Unit 8.3	Activity oriented, Use of Multimedia, Demonstration, Inductive Deductive	Select one of the following: *Skeleton System *Muscular System *Respiratory/Circulatory System. * Equilibrium working in groups, Present your ideas to the class in the form of a <i>Power Point Presentation</i> .
5.	Nov. 16 th – 30 th	Fundamental of Anatomy, Physiology & Kinesiology in sports	12	Unit 8.1 Unit 8.2 Unit 8.3 Unit 8.4 Unit 8.5	Activity oriented, Use of Multimedia, Demonstration, Inductive Deductive	Select one of the following: *Skeleton System *Muscular System *Respiratory/Circulatory System. * Equilibrium working in groups, Present your ideas to the class in the form of a <i>Power Point Presentation</i> .

6	Dec. 1 st - 15 th	Psychology and Sports	10	Unit 9.1 Unit 9.2 Unit 9.3 Unit 9.4	Activity oriented, Use of Multimedia, Demonstration, Inductive Deductive	
7.	Dec. 16 th – 31 st	Proficiency In Games & sports	6	Any one Game of your Choice:Labelled diagram of field and equipment (rules, terminologies and skills)	Demonstration, E-learning, Activity oriented	
8.	Jan. 1 st – 15 th	Training In Sports	12	Unit 10.1 Unit 10.2 Unit 10.3 Unit 10.4	Activity oriented, Use of Multimedia, Demonstration, Inductive Deductive	For a week, every day in the morning/ evening you will do 30 minutes physical activity. At the end of the week compare the pre-and post - training effect on your body. List the Principles of Training that you applied to improve your performance.
9.	Jan. 16 th – 31 st	Doping In Sports	12	Unit 10.5 Unit 10.6 Unit 10.7		From the list given below some athletes who have been disqualified for taking Performance Enhancing Drugs (PED).: <i>Lance Armstrong,</i> <i>Maria Sharapova</i> <i>Diego Maradona,</i> <i>Ben Johnson</i> <i>Shoaib Akhtar</i> <i>Shane Warne,</i> <i>Kunjarani Devi</i> *Find out the sport they participated in. *what drugs they took and why. *for how long were they banned.

Periodic Test 2:

Unit 6: Physical Activity & Leadership Training

Unit 7 : Test, Measurement & Evaluation.

Unit 8 : Fundamentals of Anatomy, Physiology and Kinesiology In Sports

Final Exams: Complete Syllabus
