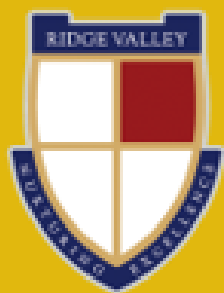


# Grade 11 Curriculum



Ridge Valley School  
Annual Curriculum  
2020-21



## CONTENT

- English
- Physics
- Chemistry
- Biology
- Mathematics
- Applied Mathematics
- Computer Science
- Accountancy
- Business Studies
- Economics
- Political Science
- Legal Studies
- Psychology
- History
- Geography
- Sociology
- Home Science
- Hindustani Music
- Painting
- Bharatanatyam
- Physical Education

# ENGLISH

*Language shapes the way we think and determines  
what we can think about.*

– Benjamin Lee Whorfa

## Term 1

Cycle No.	Dates from	To	Syllabus
1	27.04.2020	08.05.2020	The Portrait of a Lady, A Photograph, Poster
2	11.05.2020	29.05.2020	The summer of the beautiful white horse, Notice Writing
3	06.07.2020	17.07.2020	Laburnum Top, Albert Einstein at school
4	20.07.2020	30.07.2020	The Address, Ranga's Marriage
5	04.08.2020	14.08.2020	Ranga's Marriage, We're Not Afraid to Die...
6	17.08.2020	28.08.2020	Business Letters (Ordering & Cancellation, Enquiry & Complaint), The Voice of the Rain
7	31.08.2020	04.09.2020	Revision Cycle
Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	Dates from	To	Syllabus
08	21.09.2020	01.10.2020	Childhood, Voice of the Rain, Subject-Verb Concord- Gap filling, Editing
09	05.10.2020	16.10.2020	Discovering Tut: The Saga Continues
10	19.10.2020	30.10.2020	The Ailing Planet,
11	02.11.2020	20.11.2020	Business Letters, Birth The Browning Version
12	23.11.2020	04.12.2020	
13	07.12.2020	24.12.2020	Silk Road, Subject-Verb Concord- Gap filling, Editing
14	06.01.2021	15.01.2021	Mother's Day, Business Letters
15	18.01.2021	29.01.2021	Revision Cycle
16	01.02.2021	05.02.2021	Revision Cycle
Exam	08.02.2021	19.02.2021	Final Exams

# Physics

**“In science there is only physics; all the rest is stamp collecting”**

– Lord Kelvin.

## Term 1

Cycle No.	Dates from	To	Grade 11
1	20.04.2020	8.05.2020	Physical world, science and technology, Fundamental forces in nature, Conservation laws
2	11.05.2020	29.05.2020	Fundamental units, Measurement of mass, length and time, Errors in measurement, Dimensional analysis, Uses of dimensional analysis, Significant figures
3	29.06.2020	03.07.2020	Reference point, Parameters of motion, Uniformly accelerated motion, Derivation of equation of motion, Free-fall, Relative velocity
4	06.07.2020	17.07.2020	Vectors and its types, Scalar and dot product, Relative velocity in two dimensions, Projectile motion, Uniform and non-uniform circular motion
5	20.07.2020	30.07.2020	Types of forces, Connected and constrained motion, Friction and its types
6	04.08.2020	28.08.2020	Work and nature of work, Power and its types, Conservation of energy and linear momentum, Collision and its types, Work-energy theorem
7	31.08.2020	04.09.2020	Centre of mass and its various types, Moment of inertia of various symmetrical bodies, Conservation of angular momentum, Torque, Pure rolling, Principle of moments
	07.09.2020	18.09.2020	Mid-term exam

## Term 2

Cycle No.	Dates from	To	Grade 11
8	21.09.2020	01.10.2020	Universal law of gravitation, Escape velocity, Orbital velocity, Geostationary and polar satellite,
9	05.10.2020	16.10.2020	Stress and types of stress, Strain and its types, Hooke's law of elasticity
10	19.10.2020	30.10.2020	Pascal's law, Archimedes Principle, Bernoulli's theorem and its application, Terminal velocity, Viscous force, Surface tension and energy, Torricelli's theorem
11	02.11.2020	20.11.2020	Latent heat, Specific heat, Water equivalent, Thermal expansion, Calorimetry, Newton's law of Cooling.
12	23.11.2020	04.12.2020	Thermal equilibrium, Zeroth law of thermodynamics, First law of thermodynamics, Thermodynamic process, refrigerator and heat pumps, Carnot cycle
13	07.12.2020	24.12.2020	Ideal gas equation, Gas laws, Kinetic theory of gases, Law of Equipartition of energy, Degree of freedom, Mean free path, Gas velocities
14	06.01.2021	15.01.2021	Periodic and oscillatory motion, Simple harmonic motion

			and uniform circular motion, Energy in SHM, Damped and undamped motion, Forced oscillation and Resonance
15	18.01.2021	29.01.2021	Transverse and longitudinal wave, Principle of superposition of waves, Reflection of wave, Close and Open pipe, Beats
	01.02.2021	05.02.2021	Revision Cycle
	08.02.2021	19.02.2021	Final Exams
	22.02.2021	26.02.2021	Result Discussion

# Chemistry

**“Chemistry is a mystery of chemicals; Chemists are the detectives who solve this mystery.”**

Cycle No.	Dates from	To	Syllabus
1	27.04.2020	08.05.2020	Basic concepts of chemistry, classification of matter, Units and dimensions, significant figures, Laws of chemical combination, Atomic masses and molecular masses, mole concept, concentration terms of solutions and balancing of an equation.
2	11.05.2020	29.05.2020	Atomic masses and molecular masses, mole concept, Empirical formula and molecular formula, concentration terms of solutions and balancing of an equation
3	06.07.2020	17.07.2020	Structure of atom, subatomic particles and their discovery, charge to mass ratio, ancient atomic models and theories, Bohr's atomic model, Heisenberg uncertainty principle, De Broglie's equation, Electromagnetic wave theory, Quantum numbers, De Broglie's equation, Electromagnetic wave theory, Quantum numbers, Bohr burry rules, Aufbau principle, Pauli exclusion rule, Hund's rule of multiplicity electronic configuration, exchange energy.
4	20.07.2020	30.07.2020	Modern periodic table, study of elements throughout periods and groups, General electronic configuration of different groups, IUPAC nomenclature of elements, Trends in properties, atomic radius, ionization enthalpy, electron gain enthalpy, electronegativity, oxidation state, inert pair effect, shielding effect.
5	04.08.2020	14.08.2020	Valance bond theory, VSEPR theory of bonding, molecular structure of different compounds, Dipole moment, resonance, Bond order, Geometry of molecules, Orbital overlapping, Molecular orbital theory, properties of bond, hydrogen bonding.
6	17.08.2020	28.08.2020	State of matter, Vander Waal forces attraction, different gaseous laws,
7	31.08.2020	04.09.2020	Revision Cycle
Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	Dates from	To	Syllabus
08	21.09.2020	01.10.2020	Thermodynamic state, System and surroundings, extensive and intensive properties, work done, laws of thermodynamics, Gibb's free energy, entropy, Gibb's Helmholtz equation.
09	05.10.2020	16.10.2020	Equilibrium in chemical and physical processes, Homogenous and heterogenous equilibrium, Le- Chatelier's principle, pH scale, Ionization constant of water, relation between $K_a$ and $K_b$ , solubility product.
10	19.10.2020	30.10.2020	Redox reaction, oxidation and reduction, balancing of equation, half reaction method and ion electron method, electrochemical cell.
11	02.11.2020	20.11.2020	Basic concepts of organic chemistry, nomenclature of organic compounds, electromeric effect, inductive effect, resonance effect and other basic properties, Alkanes, alkenes and alkynes and benzene ring, electrophilic substitution reactions.
12	23.11.2020	04.12.2020	
13	07.12.2020	24.12.2020	S block elements, Different chemical and physical properties and Comparison of properties of both the groups.
14	06.01.2021	15.01.2021	P block elements, properties of all the elements present in group no 13 to 18. Orthoboric acid.
15	18.01.2021	29.01.2021	Hydrogen and Revision Cycle
16	01.02.2021	05.02.2021	Revision Cycle
Exam	08.02.2021	19.02.2021	Final Exams

# Biology

Biology is the most powerful technology ever created. DNA is software, protein is hardware, cells are factories.

*Arvind Gupta*

## Term 1

Cycle No.	Dates from	To	Syllabus
1	27.04.2020	08.05.2020	The Living world, Biological Classification
2	11.05.2020	29.05.2020	Plant kingdom
3	06.07.2020	17.07.2020	Plant Kingdom, Animal Kingdom
4	20.07.2020	30.07.2020	Animal Kingdom , Morphology of flowering plants , Morphology of flowering plants - Description of 01 family: Solanaceae or Liliaceae,
5	04.08.2020	14.08.2020	Animal Tissues, Chapter-8: Cell-The Unit of Life- Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant, cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles. endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles
6	17.08.2020	28.08.2020	Biomolecules- Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids; Enzymes- types, properties, enzyme action, Cell Cycle and Cell Division - Cell cycle, mitosis, meiosis and their significance
7	31.08.2020	04.09.2020	Revision Cycle
Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	Dates from	To	Syllabus
08	21.09.2020	01.10.2020	Chapter-13: Photosynthesis in Higher Plants - Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in, C4 pathways; factors affecting photosynthesis. Cyclic and non-



			cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration
09	05.10.2020	16.10.2020	C 3 and C4 pathways; factors affecting photosynthesis. Chapter-15: Plant - Growth and Development Growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.
10	19.10.2020	30.10.2020	Human Physiology – Breathing and Exchange of Gases.
11	02.11.2020	20.11.2020	Body Fluids and Circulation
12	23.11.2020	04.12.2020	Excretory products and their elimination
13	07.12.2020	24.12.2020	Locomotion and Movement
14	06.01.2021	15.01.2021	Neural Control and Coordination
15	18.01.2021	29.01.2021	Chemical Coordination and Integration
16	01.02.2021	05.02.2021	Revision Cycle

# Mathematics

*“Mathematics is a most exact science and its conclusions are capable of absolute proofs.”*

*C.P.Steinmetz*

## Term 1

Cycle No.	Dates from	To	Syllabus
1	27.04.2020	08.05.2020	Sequences and Series
2	11.05.2020	29.05.2020	Sets
3	06.07.2020	17.07.2020	Relations and Functions
4	20.07.2020	30.07.2020	Complex Numbers and Quadratic Equations
5	04.08.2020	14.08.2020	Linear Inequalities and Introduction to Three-Dimensional Geometry
6	17.08.2020	28.08.2020	Permutations and Combinations
7	31.08.2020	04.09.2020	Revision Cycle
Exam	07.09.2020	18.09.2020	Mid-term Exam

## Term 2

Cycle No.	Dates from	To	Syllabus
08	21.09.2020	01.10.2020	Trigonometric Functions
09	05.10.2020	16.10.2020	Straight Lines
10	19.10.2020	30.10.2020	Conic Sections
11	02.11.2020	20.11.2020	Limits and Derivatives
12	23.11.2020	04.12.2020	
13	07.12.2020	24.12.2020	Statistics
14	06.01.2021	15.01.2021	Probability
15	18.01.2021	29.01.2021	Revision Cycle
16	01.02.2021	05.02.2021	Revision Cycle
Exam	08.02.2021	19.02.2021	Final Exams

# Applied Mathematics

## Term 1

Cycle No.	Dates from	To	Syllabus
1	27.04.2020	08.05.2020	Numbers, Quantification and Numerical Applications
2	11.05.2020	29.05.2020	Algebra
3	06.07.2020	17.07.2020	
4	20.07.2020	30.07.2020	Calculus
5	04.08.2020	14.08.2020	
6	17.08.2020	28.08.2020	Mathematical and logical reasoning
7	31.08.2020	04.09.2020	Revision Cycle
Exam	07.09.2020	18.09.2020	Mid-term Exam

## Term 2

Cycle No.	Dates from	To	Syllabus
08	21.09.2020	01.10.2020	Probability
09	05.10.2020	16.10.2020	
10	19.10.2020	30.10.2020	Descriptive Statistics
11	02.11.2020	20.11.2020	
12	23.11.2020	04.12.2020	Basics of Financial mathematics
13	07.12.2020	24.12.2020	
14	06.01.2021	15.01.2021	Coordinate Geometry
15	18.01.2021	29.01.2021	Revision Cycle
16	01.02.2021	05.02.2021	Revision Cycle
Exam	08.02.2021	19.02.2021	Final Exams

# Computer Science

“All problems in computer science can be solved by another level of indirection.” — David Wheeler

## Term 1

Cycle No.	Dates from	To	Lesson
1	20.04.2020	08.05.2020	Computer system Organisation
2	11.05.2020	29.05.2020	Data Representation and Boolean Logic
<b>Extra Classes 08.06.2020- 03.07.2020</b>			Computational Thinking and Getting started with Python Python Programming Fundamentals
3	06.07.2020	17.07.2020	Conditional and Looping Constructs
4	20.07.2020	30.07.2020	Strings in Python
5	04.08.2020	14.08.2020	Lists in Python
6	17.08.2020	28.08.2020	Project Work
Revision	31.08.2020	04.09.2020	Revision for Term Exam
Exam	07.09.2020	18.09.2020	Mid-term Exam

## Term 2

Cycle No.	Dates from	To	Lesson
8	21.09.2020	01.10.2020	Tuples and Dictionary
9	05.10.2020	16.10.2020	Python Modules Error and Exception Handling in Python
10	19.10.2020	30.10.2020	Database Concepts
11	02.11.2020	20.11.2020	Database Concepts
12	23.11.2020	04.12.2020	Data Management
13	07.12.2020	24.12.2020	Society, Law and Ethics - Cyber safety
14	06.01.2021	15.01.2021	Society, Law and Ethics - Cyber safety
15	18.01.2021	29.01.2021	Project Work
Revision	01.02.2021	05.02.2021	Revision for Term Exam
Exams	8.02.2021	19.02.2021	Term end exams
	22.02.2021	26.02.2021	Result

# Accountancy

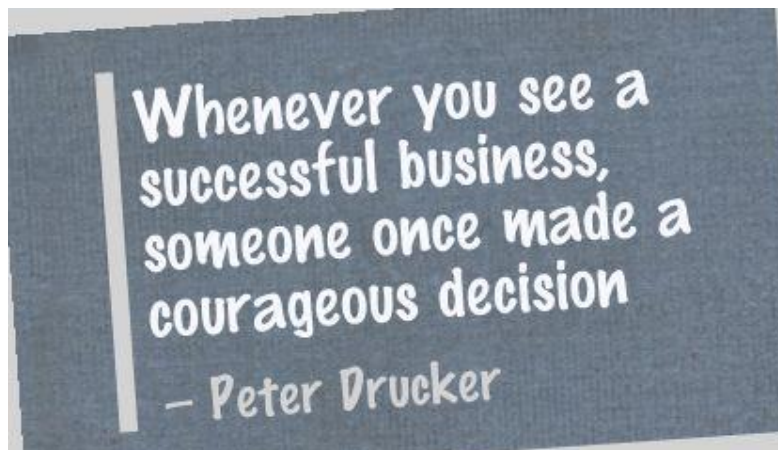


Cycle No.	Dates from	To	Lesson
1	20.04.2020	08.05.2020	Meaning, terminology and principles of accountancy
2	11.05.2020	29.05.2020	Accounting equation and capital calculation questions
<b>Extra Classes 08.06.2020- 03.07.2020</b>			Revision of terms , principles and accounting equation
3	06.07.2020	17.07.2020	Rules and Journal entries
4	20.07.2020	30.07.2020	Journal entries
5	04.08.2020	14.08.2020	Journal entries with ledger and trial balance
6	17.08.2020	28.08.2020	Cash book, purchase and sales book
Revision	31.08.2020	04.09.2020	
Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	Dates	To	Lesson
8	21.09.2020	01.10.2020	Bank Reconciliation Statement
9	05.10.2020	16.10.2020	Depreciation
10	19.10.2020	30.10.2020	Depreciation with provision and reserves
11	02.11.2020	20.11.2020	Bill of exchange
12	23.11.2020	04.12.2020	Rectification of errors
13	07.12.2020	24.12.2020	Financial statements - I
14	06.01.2021	15.01.2021	Financial Statements
15	18.01.2021	29.01.2021	Computer accounting and Introduction of NPO
Revision	01.02.2021	05.02.2021	Revision for Term Exam
Exams	8.02.2021	19.02.2021	Term end exams
	22.02.2021	26.02.2021	Result

# Business Studies



Cycle No.	Dates from	To	Lesson
1	20.04.2020	08.05.2020	Nature of business
2	11.05.2020	29.05.2020	Forms of business organisation
<b>Extra Classes 08.06.2020- 03.07.2020</b>			Revision of the nature and form of organisation
3	06.07.2020	17.07.2020	Forms of business with formation of company
4	20.07.2020	30.07.2020	Types of business organisation
5	04.08.2020	14.08.2020	Business services
6	17.08.2020	28.08.2020	Social Responsibility
Revision	31.08.2020	04.09.2020	
Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	Dates from	To	Lesson
8	21.09.2020	01.10.2020	Emerging modes
9	05.10.2020	16.10.2020	Sources of business
10	19.10.2020	30.10.2020	Sources of finance
11	02.11.2020	20.11.2020	Small business and Micro business
12	23.11.2020	04.12.2020	Internal trade
13	07.12.2020	24.12.2020	International business
14	06.01.2021	15.01.2021	International business and Consumer protection
15	18.01.2021	29.01.2021	Consumer protection
Revision	01.02.2021	05.02.2021	Revision for Term Exam
Exams	8.02.2021	19.02.2021	Term end exams
	22.02.2021	26.02.2021	Result

# Economics

The first lesson of **economics** is **scarcity**: There is never enough of anything to satisfy all those who want it.

## Term 1

Cycle No.	From	To	Topic
1	20.04.2020	08.05.2020	1. Introduction statistics 2. Collection of Data
2	11.05.2020	29.05.2020	2. Collection of Data
<b>Extra Classes 29.06.2020- 03.07.2020</b>			3. Census and Sample method 4. Organisation of Data
3	06.07.2020	17.07.2020	4. Organisation of Data
4	20.07.2020	30.07.2020	5. presentation of Data
5	04.08.2020	14.08.2020	1. Micro - Introduction
6	17.08.2020	28.08.2020	2. Consumer's equilibrium and demand 3. Producer's behaviour - Supply, Elasticity of Supply
7 Revision Cycle	31.08.2020	04.09.2020	<b>Revision</b>
Mid term Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	From	To	Topic
8	21.09.2020	01.10.2020	4. Determination of price under perfect competition
9	05.10.2020	16.10.2020	3. Producers behaviour - Production function,
10	19.10.2020	30.10.2020	3. Producers behaviour - Cost, Revenue, Producer's Equilibrium
11	02.11.2020	20.11.2020	<b>Statistics</b> 3. Presentation of Data (contd)
12	23.11.2020	04.12.2020	4. Graphic Presentation 5. Measures of Central tendency- Arithmetic Mean
13	07.12.2020	24.12.2020	5. Measures of Central tendency- Arithmetic Mean, Median
14	06.01.2021	15.01.2021	6. Measures of central Tendency - Mode 7. Measures of Dispersion
15	18.01.2021	29.01.2021	8. Correlation 9. Index Number
Revision cycle	01.02.2021	05.02.2021	4. Forms of Market
Final exams	8.02.2021	19.02.2021	<b>Revision</b>
Result Discussion	22.02.2021	26.02.2021	
Final exams	08.02.2021	19.02.2021	
Result Discussion	22.02.2021	26.02.2021	

# Political Science

*The main goal of Political Science is to interpret life from all aspects, its instrument is insight and its ways are subtle.*

## Term 1

Cycle No.	From	To	Topic
1	20.04.2020	08.05.2020	1. Constitution: Why and How?; Philosophy of the Constitution
2	11.05.2020	29.05.2020	2. Election and Representation
<b>Extra Classes 29.06.2020- 03.07.2020</b>			Revision of 1 & 2 3. Legislature
3	06.07.2020	17.07.2020	3. Legislature
4	20.07.2020	30.07.2020	4. Executive
5	04.08.2020	14.08.2020	5. Judiciary
6	17.08.2020	28.08.2020	6. Local Government
7- Revision Cycle	31.08.2020	04.09.2020	<b>Revision</b>
Mid term Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	From	To	Topic
8	21.09.2020	01.10.2020	7. Political Theory: an Introduction
9	05.10.2020	16.10.2020	8. Equality
10	19.10.2020	30.10.2020	9. Liberty
11	02.11.2020	20.11.2020	10. Justice
12	23.11.2020	04.12.2020	11. Rights
13	07.12.2020	24.12.2020	12. Development
14	06.01.2021	15.01.2021	Deleted Topics – an Overview
15	18.01.2021	29.01.2021	Revision of First Book
Revision cycle	01.02.2021	05.02.2021	Revision of Second Book
Final exams	8.02.2021	19.02.2021	<b>Revision</b>
Result Discussion	22.02.2021	26.02.2021	
Final exams	08.02.2021	19.02.2021	
Result Discussion	22.02.2021	26.02.2021	



# Legal Studies

*Develop a passion for learning, for if you do, you'll never stop growing!*

## Term 1

Cycle No.	From	To	Topic
1	20.04.2020	08.05.2020	<b>1. Theory and Nature of Political Institution:</b> i. Organs of Government
2	11.05.2020	29.05.2020	ii. Separation of Powers
<b>Extra Classes 29.06.2020- 03.07.2020</b>			Revision of 1. (i) & (ii)
3	06.07.2020	17.07.2020	ii. Basic features of the Constitution of India
4	20.07.2020	30.07.2020	<b>2. Nature and Sources of Law</b> i. Classification of Law
5	04.08.2020	14.08.2020	ii. Sources of Law iii. Law Reform
6	17.08.2020	28.08.2020	<b>3. Historical Evolution of the Indian Legal System</b> I. Ancient Indian Law
7- Revision Cycle	31.08.2020	04.09.2020	<b>Revision</b>
Mid term Exam	07.09.2020	18.09.2020	Mid term Exam

## Term 2

Cycle No.	From	To	Topic
8	21.09.2020	01.10.2020	<b>3. Historical Evolution of the Indian Legal System</b> ii. Making of the Indian Constitution
9	05.10.2020	16.10.2020	<b>4. Judiciary</b>
10	19.10.2020	30.10.2020	<b>4. Judiciary</b>
11	02.11.2020	20.11.2020	<b>5. Family Justice System</b> i. Introduction
12	23.11.2020	04.12.2020	ii. Institutional Framework
13	07.12.2020	24.12.2020	iii. Marriage and Divorce
14	06.01.2021	15.01.2021	iv. Domestic Violence
15	18.01.2021	29.01.2021	Revision of Term 1 Units
Revision cycle	01.02.2021	05.02.2021	Revision of Term 2 Units
Final exams	8.02.2021	19.02.2021	<b>Revision</b>
Result Discussion	22.02.2021	26.02.2021	
Final exams	08.02.2021	19.02.2021	
Result Discussion	22.02.2021	26.02.2021	

# Psychology

**"The beautiful thing about learning is that no one can take it away from you."**

**B.B. King**

## Term 1

Cycles	Dates From	Dates To	Grade 11
1	20.04.2020	08.05.2020	What is Psychology? & Methods of Enquiry in Psychology
2	11.05.2020	29.05.2020	Methods of Enquiry in Psychology & The Bases of Human Behaviour
3	06.07.2020	17.07.2020	Human Development
4	20.07.2020	30.07.2020	Human Development
5	04.08.2020	14.08.2020	Sensory, Attentional and Perceptual Processes
6	17.08.2020	28.08.2020	Sensory, Attentional and Perceptual Processes
7	31.08.2020	04.09.2020	Revision
	07.09.2020	18.09.2020	Mid Term Examination

## Term 2

Cycles	Dates From	Dates To	Grade 11
8	21.09.2020	01.10.2020	Learning
9	05.10.2020	16.10.2020	Learning & Human Memory
10	19.10.2020	30.10.2020	Human Memory
11	02.11.2020	20.11.2020	Human Memory & Thinking
12	23.10.2020	04.12.2020	Thinking & Motivation
13	07.12.2020	24.12.2020	Emotions
14	06.01.2021	15.01.2021	Revision
	18.01.2021	29.01.2021	Revision
	01.02.2021	05.02.2021	Revision
	08.02.2021	19.02.2021	Final Examinations
	22.02.2021	26.02.2021	Result and Discussion

# History

“ We are not Makers of History . We are made by History “ Martin Luther King, jr

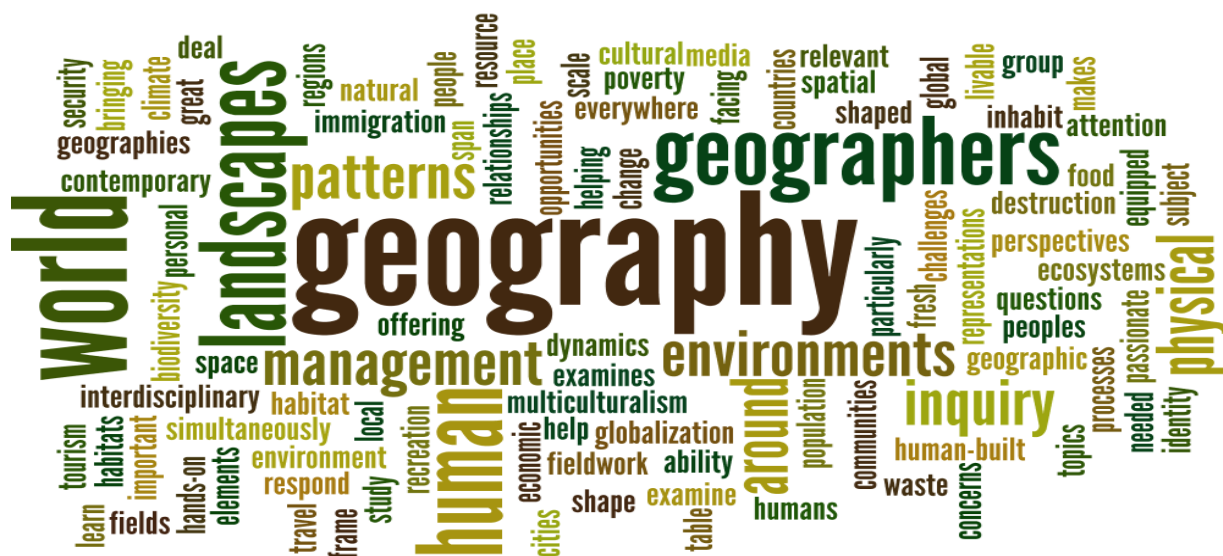
## Term 1

Cycles	Dates From	Dates To	Grade 11
1	20.04.2020	08.05.2020	Bridge Course An introduction to History Syllabus Division , and Weightage Term wise
2	11.05.2020	29.05.2020	From the Beginning of Time Project ( Evolution of Mankind) MAP of Africa
3	06.07.2020	17.07.2020	Writing and City Life (City of Mesopotamia)
4	20.07.2020	30.07.2020	An Empire across the Three Continents. (Role of Women in the Roman Era )
5	04.08.2020	14.08.2020	The Central Islamic Land. ( Rise of Islam in Arabia)
6	17.08.2020	28.08.2020	Three Orders. (The three orders of the Roman Society)
7	31.08.2020	04.09.2020	Revision
	07.09.2020	18.09.2020	Mid Term Examination

## Term 2

Cycles	Dates From	Dates To	Grade 11
8	21.09.2020	01.10.2020	Changing cultural Tradition.  ( Revival of Greek and Roman Culture)
9	05.10.2020	16.10.2020	The Industrial Revolution.  PROJECT ( Industrialization had been too gradual to be considered a Revolution .
10	19.10.2020	30.10.2020	Displacing Indigenous People.  The Native People of North America and Australia. MAP of Australia PROJECT The Cherokees,,,,,A Distinct Community
	02.11.2020	20.11.2020	Path to Modernization.  Debate,,, Japan—Re-emerging as a Global Power after World War II
	23.10.2020	04.12.2020	Revision of Chapter1, 2 ,3
	07.12.2020	24.12.2020	Revision of Ch. 4
	06.01.2021	15.01.2021	Revision of Ch 6
	18.01.2021	29.01.2021	Revision of Ch. 7,8
	01.02.2021	05.02.2021	Revision of Ch 9 10
	08.02.2021	19.02.2021	Final Examinations
	22.02.2021	26.02.2021	Result and Discussion

# Geography



## Term I

Cycle No.	Dates from	To	Content
1	20.04.2020	08.05.2020	Geography as a discipline
2	11.05.2020	29.05.2020	The origin and Evolution of the Earth, The interior of the Earth. Practical-Data and Maps
<b>Extra Classes 08.06.2020- 03.07.2020</b>			Distribution of Continents and Oceans
3	06.07.2020	17.07.2020	Earthquake and volcanoes, Minerals and Rocks. Practical- Map Scales
4	20.07.2020	30.07.2020	Minerals and Rocks, Geomorphic processes, Landforms and their Evolution
5	04.08.2020	14.08.2020	Composition and Structure of Atmosphere, Solar Radiation, Practical Directions, Latitude, Longitude and time
6	17.08.2020	28.08.2020	Heat Balance and Temperature, Water in the Atmosphere, Oceans, Movements of ocean water-waves, tides and currents.
Revision	31.08.2020	04.09.2020	Revision for Term Exam
Exam	07.09.2020	18.09.2020	Mid -term Exam

## Term II

Cycle No.	Dates from	To	Content
8	21.09.2020	01.10.2020	Topographic and Weather Maps Aerial Photographs: Types and Geometry- vertical aerial photographs; difference between maps and aerial photographs; photo scale determination. Identification of physical and cultural features
9	05.10.2020	16.10.2020	Life on the Earth Biosphere - importance of plants and other organisms; biodiversity and conservation; ecosystem and ecological balance
10	19.10.2020	30.10.2020	India-Physical Environment- Location, space relations, India's place in the world
11	02.11.2020	20.11.2020	Physiography Drainage systems: Concept of river basins
12	23.11.2020	04.12.2020	Physiography Drainage systems: watershed; the Himalayan and the Peninsular rivers
13	07.12.2020	24.12.2020	Vegetation and Soil Natural vegetation- forest types and distribution; wild-life; conservation; biosphere reserves
14	06.01.2021	15.01.2021	Soils - major types (ICAR's classification) and their distribution, soil degradation and conservation
15	18.01.2021	29.01.2021	Satellite imageries, stages in remote sensing data-acquisition, platform and sensors and data products, (photographic and digital) Use of weather instruments: thermometer, wet and dry-bulb thermometer, barometer, wind vane, rain gauge
Revision	01.02.2021	05.02.2021	Revision for Term End Exam
Exams	8.02.2021	19.02.2021	Term end exams

# Sociology

*"The function of sociology, as of every science, is to reveal that which is hidden." ~ Pierre Bourdieu*

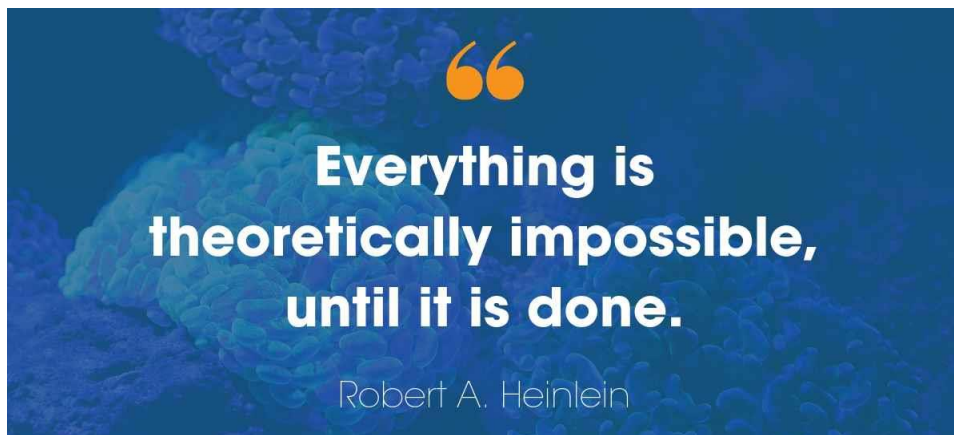
## Term 1

Cycles	Dates From	Dates To	Grade 11
1	20.04.2020	08.05.2020	UNIT-1 INTRODUCING SOCIOLOGY- Sociology, Society and its Relationship with other Social Sciences -Introducing Society: Individuals and collectivities. -Pluralities and Inequalities among societies. -Emergence. Nature and Scope. -Relationship with other Social Science disciplines.
2	11.05.2020	29.05.2020	UNIT-2 Terms, Concepts and their use in Sociology -Social Groups and Society -Social Stratification -Status and Role -Society & Social Control
3	06.07.2020	17.07.2020	UNIT-3 Understanding Social Institutions Family, - Marriage and Kinship -Work & Economic Life -Religion as a Social Institution
4	20.07.2020	30.07.2020	-Political Institutions -Education as a Social Institution + REVISION
5	04.08.2020	14.08.2020	UNIT-4 Culture and Socialization -Defining Culture -Dimensions of Culture -Socialization -Agencies of Socialisation
6	17.08.2020	28.08.2020	UNIT 5- Doing Sociology: Research Methods -Objectivity and Subjectivity in Sociology -Research Methods: Participant -Observation, Survey
7	31.08.2020	04.09.2020	Tools and Techniques: Observation, -Interview, Questionnaire -The Significance of Field Work in Anthropology
8	07.09.2020	18.09.2020	Revision for Mid Term Exams

## Term II

Cycles	Dates From	Dates To	Grade 11
9	21.09.2020	01.10.2020	Book-2 UNDERSTANDING SOCIETY UNIT-6 - Social Structure, Stratification and Social Processes in Society -Social Structure -Social Stratification -Social Processes: Cooperation, Competition, Conflict
	05.10.2020	16.10.2020	UNIT-7 Social Change and Social Order in Rural and Urban Society -Social Change: Types, Causes and Consequences -Social Order: Domination, Authority and Law; Contestation, Crime and Violence
10	19.10.2020	30.10.2020	-Concepts: Village, Town and City -Social Order and Social Change in Rural and Urban Areas
11	02.11.2020	20.11.2020	UNIT-8 Environment and Society -Ecology and Society -Environmental Crises and Social Responses -Sustainable Development
12	23.10.2020	04.12.2020	UNIT-9 Introducing Western Sociologists -The Context of Sociology
13	07.12.2020	24.12.2020	-Karl Marx on Class Conflict
14	06.01.2021	15.01.2021	Emile Durkheim : Division of Labour in society -Ma
	18.01.2021	29.01.2021	Weber: Interpretive Sociology, Ideal Type & Bureaucracy
	01.02.2021	05.02.2021	Revision- Term End Exam
	08.02.2021	19.02.2021	Term End Exam
	22.02.2021	26.02.2021	

# Home Science



## Term – 1

Cycle No.	Dates from	To	
1	27.04.2020	08.05.2020	Introduction: HEFS: evolution of the discipline and it's relevance in the quality of life
	11.05.2020	29.05.2020	Understanding of Self <ul style="list-style-type: none"> <li>• Sense of Self Understanding- who am I?</li> <li>• Characteristics and needs</li> <li>• Influences on Identity</li> </ul>
<b>Extra Classes</b>	08.06.2020-	03.07.2020	Food and Food Groups
3	06.07.2020	17.07.2020	Food, Nutrition, Health and Fitness
4	20.07.2020	30.07.2020	Food, Nutrition, Health and Fitness( Contd)
5	02.08.2020	14.08.2020	Management of Resources- time, money and energy
6	17.08.2020	28.08.2020	Fabrics Around- Classification, Properties, manufacture of various fabrics- from fibre to fabric stage
7	31.08.2020	04.09.2020	Revision
	07.09.2020	18.09.2020	Mid Term Exams



## Term – II

Cycle No.	Dates from	To	
8	21.09.2020	01.10.2020	Media and Communication Technology Classification, process and Communication technology
9	05.10.2020	16.10.2020	Concern and Needs in Diverse context- <ul style="list-style-type: none"> <li>• Resource Availability and Management-</li> <li>• Nutrition Health and Hygiene</li> </ul>
10	19.10.2020	29.10.2020	Childhood:- Survival Growth and Development Nutrition, health and wellbeing
11	02.11.2020	20.11.2020	Childhood- Nutrition Health and Well Being( contd)
12	23.11.2020	04.12.2020	Childhood - Our Apparel
13	07.12.2020	24.12.2020	Adulthood: Health and wellness
14	06.01.2021	15.01.2021	Adulthood: Financial management and planning
15	18.01.2021	29.01.2021	Adulthood: Care and maintenance of fabrics
16	01.02. 2021	05.02.2021	Revision Cycle
	8.02.2021	19.02.2021	Final Term Exams

# Hindustani Music



**-Raagmala painting**

## Term-I

Cycle No.	From	To	No of days	Key Concepts	Learning Objectives
1	27.04.20	08.05.20	8 days	Raag Bhairav, Teen taal swar ,sangeet , Aaroh avroh and pakad Practical _Raag Bhairav - lakshan geet in teen	Raag Bhairav - lakshan geet in teen taal madhya laya Teen taal -parichay ,bol with hand movement Definition of ; swar ,sangeet , Aaroh avroh and pakad Tabla structure diagram with labels

					<ul style="list-style-type: none"> <li>• Sangeet (Music)</li> <li>• Two types of Indian music forms (Hindustani classical and karnatak music)</li> <li>• Different forms of Music like classical, semi classical, folk music etc.</li> <li>• Raag Bhairav in teen taal Madhya laya</li> <li>• Singing style of raag Bhairav lakshan geet</li> <li>• Aaroh avroh pakad of Raag Bhairav</li> <li>• Important points while singing Raag Bhairav lakshan geet</li> <li>• Meaning of komal and shuddha swar</li> </ul>
2	11.05.20	22.05.20	10 days	<p>Theory Sangeet – Origen and it's types and forms, Thaata</p> <p>Practical Raag Bhairav lakshan geet in teen taal.</p>	
3	6.07.20	17.07.20	10 days	<p>Theory- Definition of Swar saptak, sangeet Naad</p> <p>Difference between swar and saptak</p> <p>Practical- Raag bhairav lakshan geet in teen taal</p>	<p>Raag Bhairav sargam geet and lakshan geet both in teen taal madhya laya.</p> <p>What is sangeet , what is Shruti and how it is being placed in shrti scale – ancient and modern both type.</p> <p>Swar , shuddha komal and teevr. what is naad its type, Difference between shruti and swar,Raag bhairav , Aaroh avroh,pakad , sargam geet</p> <p>Bandish geet with two 8 Matra taan in teen taal madhya laya</p> <ul style="list-style-type: none"> <li>• Understand and explain; Saptak – mandra madhya and taar ,</li> <li>Thaat- Meaning of Thaata , 10 Thaata and all 10 swar combinations of Thaata's</li> </ul>
4	20.07.20	30.07.20	9 days	<p>Practical – Raag Bheem palasi , Devotional song</p> <p>Theory – Dadra taal , Raag Bheem palasi Parichay ,</p>	<p>Sing Aaroh avroh and pakad of Raag Bheem palasi.</p> <ul style="list-style-type: none"> <li>• Understand and explain Dadra taal of 6 beats, Raag Parichay of Raag Bheem palasi. Biography of Pt. V.N.Bhatkhande</li> <li>• Started understanding time theory of music</li> <li>• sing Raag Bhairav</li> <li>• Sing Devotional song</li> </ul>

					Learn the topics done earlier for PT 1, understand and learn life sketch of Pt. V.D. Paluskar • Sing Small Alaap in Bheempalasi • Sing sargam geet in Bheem palasi
5	4.08.20	14.08.20	8 days	Theory- Biography of Pt.V.D.Paluskar Practical- Raag Bheempalasi sargam geet in teen taal	
6	17.08.20	28.08.20	9 days	Theory- study of Dhrupad and khayal Practical- Raag Bheempalasi	Raag Bheempalasi Aaroh avroh pakad Raag Bheempalasi bandish geet Raag Bheempalasi aalap small Teen taal dugun laya Two form's of Hindustani classical music Dadra – Who was the founder and which all Gharana's are there Specialty of dhrupad singing etc. Khayal – what is the role of khayal gayan in Hindustani classical Vocal music , how it's important , who's started this form of classical Singing and which all Gharana's are there
7	31.08.20	4.09.20	5 days	Revision	

## Term-II

					What is Jati , Definition and it's type description Laya , it's definition and importance Taal, it's types and uses. What is Margi sangeet and what is desi sangeet How it was and how dose it changes with the time Ek taal parchay rendition with hand movents
9	21.09.20	1.10.20	9 days	Theory – Definition of the following; Jati, laya, Taal Brief study of Margi Deshi Gana Practical- Ek Taal	
10	05.10.20	16.10.20	10 days	Theory – Raag Practical – vilambit khayal Raag Bheempalasi	Raag – Definition, types Raag origion and development with time Raag Bheempalasi vilambit khayal in Ek- Taal Aalap of Raag Bheempalasi,

11	19.10.20	30.10.20	8 days	<p>Theory – Biography of Tansen Brief study of swarmalika Practical- Ek Taal and Raag Bheempalasi vilambit khayal</p>	<p>Life sketch of Taansen, his contribution In Hindustani classical music , his family etc. Ek Taal practice in dugun Raag Bheempalasi vilambit khayal sthai with Alaap Swar vistar in Raag Bheempalasi</p>
12	02.11.20	20.11.20	11 days	<p>Theory-Brief study of Musical Elements in Natya Shastra Practical- Raag Bheempalasi vilambit khayal Chutaal Parichay with hand movements</p>	<p>Discription of Natya shastra It's importance in Hindustani classical music Chautaal – Description, Bol with Taali khali symbols and division Rendition with hand movements Raag Bheempalasi vilambit khayal sthai with Alaap , Antara of Bheempalasi</p>
13	23.11.20	4.12.20	9 days	<p>Theory – Brief study of Lakshan Geet Practical – Chautal and raag Bheempalasi Taan</p>	<p>Discription of swar malika It's importance in Hindustani classical music How it makes raag clear for the beginner's Chautala dugun Rendition with hand movements Raag Bheempalasi vilambit khayal sthai with Alaap , Antara of Bheempalasi ,few Taan of the Raag</p>
14	7.12.20	24.12.20	14days	<p>Theory – Brief study of Tarana Chautala duguan and chaugun Practical – Raag Bihag introduction Sargam geet in teen taal madhya laya</p>	<p>Discription of Tarana It's importance in Hindustani classical musis Meaning of the bol of Tarana , It's singing style Chautala Dugun and chaugun Rendition with hand movements Raag Bihag , introduction , Aarah avrah pakad , Small alaap and sargam geet</p>
15	18.01.21	29.01.21	9days	<p>Theory – Chart of three Raag's Bhairav/ Bheempalasi/ Bihag Practical- Raag Bihag bandish in teen taal madhya laya With small alaaps and few taan in 8 and 16 beats.</p>	<p>Chart of all three Raag done so far Vaadi- samvadi , jati, thaata , gayan samay , varjit swar , komal swar etc Important phrases of every raag Pakad and catch of different three Ragas Ek Taal , teen taal and chautaal Rendition with hand movements Raag Bihag , introduction , Aarah avrah pakad , Small alaap and sargam geet</p>

# Painting

**“I dream my painting and I paint my dream.”**

Vincent Willem van Gogh

## Term -1

Cycles	Dates From	Dates To	Grade 11
1	20.04.2020	08.05.2020	student will understand about Weatren - Indian ,Pala,Rajasthani, Mugals, Central indian, Deccan, Pahari
2	11.05.2020	29.05.2020	student will learn Origin and development, Sub schools, main features of Rajasthani schools
3	06.07.2020	17.07.2020	Extra cllasses
4	20.07.2020	30.07.2020	study and appreciation of the Rajasthani paintings
5	04.08.2020	14.08.2020	Origin and Development,,Sub schools, main features of pahari schools
6	17.08.2020	28.08.2020	practical work
7	31.08.2020	04.09.2020	study and appreciation of the following Pahari paintings
	07.09.2020	18.09.2020	student will understand about Weatren - Indian ,Pala,Rajasthani, Mugals, Central indian, Deccan, Pahari
Mid term Exam	07.09.2020	18.09.2020	

## Term 2

Cycle No.	From	To	Topic
8	21.09.2020	01.10.2020	Origin and Development,,Sub schools, main features of Mughal schools
9	05.10.2020	16.10.2020	practical work
10	19.10.2020	30.10.2020	study and appreciation of the Mughal paintings
11	02.11.2020	20.11.2020	study and appreciation of the Daccan paintings
12	23.11.2020	04.12.2020	practical work
13	07.12.2020	24.12.2020	study and appreciation of the bangol paintings
14	06.01.2021	15.01.2021	practical work
15	18.01.2021	29.01.2021	The Modren trends in Indain Art
Revision cycle	01.02.2021	05.02.2021	practical work
Final exams	8.02.2021	19.02.2021	practical work
Result Discussion	22.02.2021	26.02.2021	practical work
Final exams	08.02.2021	19.02.2021	Revision
Result Discussion	22.02.2021	26.02.2021	Revision

# Bharatanatyam

## TERM 1

Cycles	Dates From	Dates To	Grade 11
1	11.06.2020	22.06.2020	The over all strengthening of the body – (warm-ups -legs, knees, back, shoulder, obliques) to be stable in postures of Aramandi.
2	23.06.2020	29.06.2020	Tattadavus (1-4)
3	10.07.2020	17.07.2020	Tattadavus 5, 7, 8 <sup>th</sup>
4	20.07.2020	30.07.2020	Introduction to Nattadavus (eye exercises), Hold of Nattyarambham , Introduction to 1 <sup>st</sup> Nattadavu, 3 <sup>rd</sup> Nattadavu with hands in tripataka
5	04.08.2020	14.08.2020	Exercices for Natyarambha Plank position, Leg strengthening pleey positions, Introduction to Didi tai adavu side in 1 <sup>st</sup> speed, second speed and third speed with hands in tripataka mudra
6	15.08.2020	28.08.2020	Introduction to Tai didi tai adavu for alarripu in 1 <sup>st</sup> and 2 <sup>nd</sup> speed
7	31.08.2020	04.09.2020	Tai Didi tai adavu with hands and eye movements Talam -Introduction to Adi talam and roopak talam.
	08.09.2020	19.09.2020	Eye exercise for Alarripu and Tat Tai Ta ha Adavu.
Mid term Exam	07.09.2020	18.09.2020	

## Term 2

Cycle No.	From	To	Topic
8	23.09.2020	06.10.2020	Introduction to Alarripu with excercices - Samam to Aramandi, Aramandi to Murhumandi Eye excercices,, Tat tai ta ha adavu ,
9	07.10.2020	22.10.2020	Movement for shifting weight (Tat tai tam adavu) Alarippu 1 <sup>st</sup> Half
10	24.10.2020	30.10.2020	Muzhumandi Adavu Exercices Muzhumandi excercices Pleey excercies Core stretch set 1 and 3 with plank position and squats excercices.
11	04.11.2020	20.11.2020	Starting with second half of Alarripu.( Mandi adavu Tam dhit tam, Tat tai taha adavu)

12	26.11.2020	06.12.2020	As same as above
13	07.12.2020	24.12.2020	Revision of first half of Alarrippu
14	07.01.2021	16.01.2021	Combinig the 1 <sup>st</sup> half and 2 <sup>nd</sup> Half Alarrippu
15	17.01.2021	29.01.2021	Ta hata jham tari ta adavu
Revision cycle	01.02.2021	07.02.2021	Evaluation of Adavus Tattadavu with Talam
Final exams	9.02.2021	19.02.2021	Nattadavu (1, 3)with Talam
Result Discussion	23.02.2021	29.02.2021	Revision of Tat tai taha adavu , Ta hata Jhamtari ta.
Final exams	08.03.2021	19.03.2021	Exams
Result Discussion	22.03.2021	26.03.2021	Revision of Alarrippu



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# Physical Education

## Theory

### **Unit I: Changing Trends & Career in Physical Education**

- Meaning & definition of Physical Education
- Aims & Objectives of Physical Education
- Career Options in Physical Education
- Competitions in various sports at national and international level
- Khelo-India Program

### **Unit II: Olympic Value Education**

- Olympics, Paralympics and Special Olympics
- Olympic Symbols, Ideals, Objectives & Values of Olympism
- International Olympic Committee
- Indian Olympic Association
- Unit III Physical Fitness, Wellness & Lifestyle
- Meaning & Importance of Physical Fitness, Wellness & Lifestyle
- Components of physical fitness and Wellness
- Components of Health related fitness

### **Unit III: Physical Fitness, Wellness & Lifestyle**

- Meaning & Importance of Physical Fitness, Wellness & Lifestyle
- Components of physical fitness and Wellness
- Components of Health-related fitness

### **Unit IV: Physical Education & Sports for CWSN (Children with Special Needs- Divyang)**

- Aims & objectives of Adaptive Physical Education
- Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics)
- Concept of Inclusion, its need and Implementation
- Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator)

### **Unit V: Yoga**

- Meaning & Importance of Yoga
- Elements of Yoga
- Introduction - Asanas, Pranayam, Meditation & Yogic Kriyas
- Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose)
- Relaxation Techniques for improving concentration – Yog-nidra

### **Unit VI: Physical Activity & Leadership Training**

- Leadership Qualities & Role of a Leader
- Creating leaders through Physical Education
- Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting, Mountaineering, Surfing and Para Gliding)
- Safety measures to prevent sports injuries

### Unit VII: Test, Measurement & Evaluation

- Define Test, Measurement & Evaluation
- Importance of Test, Measurement & Evaluation In Sports
- Calculation of BMI & Waist - Hip Ratio
- Somato Types (Endomorphy, Mesomorphy & Ectomorphy) □ Measurement of health-related fitness

### Unit VIII: Fundamentals of Anatomy, Physiology & Kinesiology in Sports

- Definition and Importance of Anatomy, Physiology & Kinesiology
- Function of Skeleton System, Classification of Bones & Types of Joints
- Properties and Functions of Muscles
- Function & Structure of Respiratory System and Circulatory System
- Equilibrium – Dynamic & Static And Centre of Gravity and its application in sports

### Unit IX: Psychology & Sports

- Definition & Importance of Psychology in Phy. Edu. & Sports
- Define & Differentiate Between Growth & Development
- Developmental Characteristics At Different Stages of Development
- Adolescent Problems & Their Management

### Unit X: Training and Doping in Sports

- Meaning & Concept of Sports Training • Principles of Sports Training
- Warming up & limbering down
- Skill, Technique & Style • Concept & classification of doping
- Prohibited Substances & their side effects
- Dealing with alcohol and substance abuse

### **Practical Max. Marks 30**

01. Physical Fitness Test - 6 Marks

02. Proficiency in Games and Sports (Skill of any one Game of choice from the given list\*)- 7 Marks

03. Yogic Practices - 7 Marks

04. Record File \*\* - 5 Marks

05. Viva Voce (Health/ Games & Sports/ Yoga) - 5 Marks

\* Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobics, Gymnastics, Rope-Skipping, Yoga, Bocce & Unified Basketball [CWSN (Children with Special Needs - Divyang)]

\*\*Record File shall include:

Practical-1: Labelled diagram of 400 M Track & Field with computations.

Practical-2: Computation of BMI from family or neighborhood & graphical representation of the data.

Practical-3: Labelled diagram of field & equipment of any one game of your choice out **of the** above list.

Practical-4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel

Ratna Award) Practical-5: Pictorial presentation of any five Asanas for improving concentration.