

PHYSICAL EDUCATION (048)

Class XI (2022–23)

Theory

Max. Marks 70

Unit I Changing Trends & Career in Physical Education

- Concept, Aims & Objectives of Physical Education
- Changing Trends in Sports- playing surface, wearable gears and sports equipment, technological advancements
- Career Options in Physical Education
- Khelo-India and Fit-India Program

Unit II Olympism

- Ancient and Modern Olympics
- Olympism – Concept and Olympics Values (Excellence, Friendship & Respect)
- Olympics - Symbols, Motto, Flag, Oath, and Anthem
- Olympic Movement Structure - IOC, NOC, IFS, Other members

Unit III Yoga

- Meaning & Importance of Yoga
- Introduction to Ashtanga Yoga
- Introduction to Yogic Kriyas (Shat Karma)

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

- Concept of Disability and Disorder
- Types of Disability, its causes & nature (Intellectual disability, Physical disability)
- Aim & Objective of Adaptive Physical Education
- Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator)

Unit V Physical Fitness, Health and Wellness

- Meaning and Importance of Wellness, Health and Physical Fitness
- Components/Dimensions of Wellness, Health and Physical Fitness
- Traditional Sports & Regional Games for promoting wellness

Unit VI Test, Measurement & Evaluation

- Concept of Test, Measurement & Evaluation in Physical Education & sports.
- Classification of Test in Physical Education and Sports.
- Test administration guidelines in physical education and sports

Unit VII Fundamentals of Anatomy, Physiology in Sports

- Definition and Importance of Anatomy and Physiology in exercise and sports
- Functions of Skeletal system, classification of bone and types of joints.
- Function and Structure of Circulatory system and heart.
- Function and Structure of Respiratory system.

Unit VIII Fundamentals of Kinesiology and Biomechanics in Sports

- Definition and Importance of Kinesiology and Biomechanics in sports
- Principles of Biomechanics
- Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation
- Axis and Planes – Concept and its application in body movements

Unit IX Psychology & Sports

- Definition & Importance of Psychology in Physical Education & Sports
- Adolescent Problems & Their Management
- Team Cohesion and Sports

Unit X Training and Doping in Sports

- Concept and Principles of Sports Training
- Training Load: Over Load, Adaptation, and Recovery
- Concept of Doping and its disadvantages

Practical

Max. Marks 30

- | | |
|---|---------|
| 01. Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* | 6 Marks |
| 02. Proficiency in Games and Sports
(Skill of any one IOA recognised Sport/Game of Choice)** | 7 Marks |
| 03. Yogic Practices | 7 Marks |
| 04. Record File *** | 5 Marks |
| 05. Viva Voce (Health/ Games & Sports/ Yoga) | 5 Marks |

* Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility)

**CWSN (Children With Special Needs – Divyang): Bocce/Boccia , Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice.

**Children With Special Needs can also opt any one Sport/Game from the list as alternative to Yogic Practices. However, the Sport/Game must be different from Test - ‘Proficiency in Games and Sports’

***Record File shall include:

- ❖ Practical-1: Labelled diagram of 400 M Track & Field with computations.
- ❖ Practical-2: Describe Changing Trends in Sports & Games in terms of changes in Playing surface, Wearable gears, Equipment, Technological advancements.
- ❖ Practical-3: Labelled diagram of field & equipment of any one IOA recognised Sport/Game of choice.

PHYSICAL EDUCATION (048)

Class XII (2022–23)

Theory

Max. Marks 70

Unit I Management of Sporting Events

- Functions of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling)
- Various Committees & their Responsibilities (pre; during & post)
- Fixtures and its Procedures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic)

Unit II Children & Women in Sports

- Common Postural Deformities - Knock Knee; Bow Legs; Flat Foot; Round Shoulders; Lordosis, Kyphosis, and Scoliosis and their corrective measures
- Special consideration (Menarche & Menstrual Dysfunction)
- Female Athletes Triad (Osteoporosis, Amenorrhea, Eating Disorders)

Unit III Yoga as Preventive measure for Lifestyle Disease

- Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha – Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama.
- Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati.
- Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasana, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma.
- Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasana, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi-shodhanapranayam, Sitlipranayam.

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

- Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics)
- Advantages of Physical Activities for children with special needs.
- Strategies to make Physical Activities assessable for children with special needs.

Unit V Sports & Nutrition

- Concept of balance diet and nutrition
- Macro and Micro Nutrients: Food sources & functions
- Nutritive & Non-Nutritive Components of Diet

Unit VI Test & Measurement in Sports

- Fitness Test – SAI Khelo India Fitness Test in school:
 - Age group 5-8 yrs/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test
 - Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls).
- Computing Basal Metabolic Rate (BMR)

- Rikli & Jones - Senior Citizen Fitness Test
 - I. Chair Stand Test for lower body strength
 - II. Arm Curl Test for upper body strength
 - III. Chair Sit & Reach Test for lower body flexibility
 - IV. Back Scratch Test for upper body flexibility
 - V. Eight Foot Up & Go Test for agility
 - VI. Six Minute Walk Test for Aerobic Endurance

Unit VII Physiology & Injuries in Sports

- Physiological factors determining components of physical fitness
- Effect of exercise on Muscular System
- Effect of exercise on Cardio-Respiratory System
- Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)

Unit VIII Biomechanics & Sports

- Newton's Law of Motion & its application in sports
 - Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports
- Friction & Sports
- Projectile in Sports

Unit IX Psychology & Sports

- Personality; its definition & types (Jung Classification & Big Five Theory)
- Meaning, Concept & Types of Aggressions in Sports
- Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting

Unit X Training in Sports

- Concept of Talent Identification and Talent Development in Sports
- Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle.
- Types & Method to Develop – Strength, Endurance and Speed
- Types & Method to Develop – Flexibility and Coordinative Ability

Practical

Max. Marks 30

- | | |
|---|---------|
| 01. Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* | 6 Marks |
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(Skill of any one IOA recognised Sport/Game of Choice)** | 7 Marks |
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**CWSN (Children With Special Needs – Divyang): Bocce/Boccia , Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice.

**Children With Special Needs can also opt any one Sport/Game from the list as alternative to Yogic Practices. However, the Sport/Game must be different from Test - 'Proficiency in Games and Sports'

*****Record File shall include:**

- ❖ Practical-1: Fitness tests administration.
- ❖ Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
- ❖ Practical-3: Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.

Note: For PE (048) Curriculum, Handbooks are already available at Board's website. However, the revised version of these Handbooks would soon be available that include following topics at Board's Academic website www.cbseacademic.nic.in

Class XI Handbook:

Unit I Changing Trends & Career in Physical Education - Concept, Aims & Objectives of Physical Education; Development of Physical Education in India – Post Independence; Changing Trends in Sports- playing surface, wearable gears and sports equipment, technological advancements; Career Options in Physical Education; Khelo-India and Fit-India Program

Unit II Olympism - Olympism – Concept and Olympics Values (Excellence, Friendship & Respect); Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind; Ancient and Modern Olympics; Olympics - Symbols, Motto, Flag, Oath, and Anthem; Olympic Movement Structure - IOC, NOC, IFS, Other members

Unit III Yoga - Meaning & Importance of Yoga; Introduction to Ashtanga Yoga; YogicKriyas (Shat Karma); Pranayama and its types; Active lifestyle and Stress Management through Yoga

Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang) - Concept of Disability and Disorder; Types of Disability, its causes & nature (Intellectual disability, Physical disability); Disability Etiquettes; Aim & Objective of Adaptive Physical Education; Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator)

Unit V Physical Fitness, Health and Wellness - Meaning and Importance of Wellness, Health and Physical Fitness; Components/Dimensions of Wellness, Health and Physical Fitness; Traditional Sports & Regional Games for promoting wellness; Leadership through Physical Activity and Sports; Introduction to First Aid – PRICE

Unit VI Test, Measurement & Evaluation - Concept of Test, Measurement & Evaluation in Physical Education & sports; Importance of Test, Measurement and Evaluation in Sports; Classification of Test in Physical Education and Sports; Test administration guidelines in physical education and sports; BMI, Waist-Hip Ratio, Skin fold Measures (3-site)

Unit VII Fundamentals of Anatomy, Physiology in Sports - Definition and Importance of Anatomy and Physiology in exercise and sports; Functions of Skeletal system, classification of bone and types of joints; Properties and Functions of Muscles; Function and Structure of Circulatory system and heart; Function and Structure of Respiratory system

Unit VIII Fundamentals of Kinesiology and Biomechanics in Sports - Definition and Importance of Kinesiology and Biomechanics in sports; Principles of Biomechanics; Kinetics and Kinematics in Sports; Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation; Axis and Planes – Concept and its application in body movements

Unit IX Psychology & Sports - Definition & Importance of Psychology in Physical Education & Sports; Developmental Characteristics at Different Stages of Development; Adolescent Problems & their Management; Team Cohesion and Sports; Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness

Unit X Training and Doping in Sports - Concept and Principles of Sports Training; Training Load: Over Load, Adaptation, and Recovery; Warming-up & Limbering Down – Types, Method & Importance; Concept of Skill, Technique, Tactics & Strategies; Concept of Doping and its disadvantages

Class XII Handbook:

Unit I Management of Sporting Events - Functions of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling); Various Committees & their Responsibilities (pre; during & post); Fixtures and its Procedures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic); Intramural & Extramural – Meaning, Objectives & Its Significance; Community Sports – Purpose and benefits

Unit II Children & Women in Sports - Exercise Guidelines of WHO for different age groups; Common Postural Deformities - Knock Knee; Bow Legs; Flat Foot; Round Shoulders; Lordosis, Kyphosis, and Scoliosis and their corrective measures; Women participation in Sports – Physical, Psychological and Social benefits; Special consideration (Menarche & Menstrual Dysfunction); Female Athletes Triad (Osteoporosis, Amenorrhea, Eating Disorders)

Unit III Yoga as Preventive measure for Lifestyle Disease - Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha – Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama; Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati; Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, Uttan Mandukasana, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma; Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, Uttan Mandukasana, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi-shodhanapranayam, Sitlipranayam; Back Pain and Arthritis: Procedure, Benefits & Contraindications of Tadasana, Urdhwahastottansana, Ardha-Chakrasana, Ushtrasana, Vakrasana, Sarala Matsyendrasana, Bhujangasana, Gomukhasana, Bhadrasana, Makarasana, Nadi-Shodhana Pranayam;

Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang) – Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics); Concept of Classification and Divisioning in Sports; Concept of Inclusion in sports, its need, and Implementation; Advantages of Physical Activities for children with special needs; Strategies to make Physical Activities assessable for children with special needs

Unit V Sports & Nutrition - Concept of balance diet and nutrition; Macro and Micro Nutrients: Food sources & functions; Nutritive & Non-Nutritive Components of Diet; Eating For Weight Control – A Healthy Weight, The Pit falls of Dieting, Food Intolerance & Food Myths; Importance of Diet in Sports and Pre, During and Post requirement

Unit VI Test & Measurement in Sports - Fitness Test – SAI Khelo India Fitness Test in school [Age group 5-8 yrs/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test; Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls)]; Measurement of Cardio-Vascular Fitness – Harvard Step Test – Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise; Computing Basal Metabolic Rate (BMR); Rikli & Jones - Senior Citizen Fitness Test - Chair Stand Test for lower body strength, Arm Curl Test for upper body strength, Chair Sit & Reach Test for lower body flexibility, Back Scratch Test for upper body flexibility, Eight Foot Up & Go Test for agility, Six Minute Walk Test for Aerobic Endurance; Johnsen – Methney Test of Motor Educability (Front Roll, Roll, Jumping Half-Turn, Jumping full-turn)

Unit VII Physiology & Injuries in Sports - Physiological factors determining components of physical fitness; Effect of exercise on Muscular System; Effect of exercise on Cardio-Respiratory System; Physiological changes due to aging; Sports injuries: Classification (Soft Tissue Injuries – Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)

Unit VIII Biomechanics & Sports - Newton's Law of Motion & its application in sports; Types of Lever and its application in Sports; Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports; Friction & Sports; Projectile in Sports

Unit IX Psychology & Sports - Personality; its definition & types (Jung Classification & Big Five Theory); Motivation, its type & techniques; Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it; Meaning, Concept & Types of Aggressions in Sports; Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting

Unit X Training in Sports - Concept of Talent Identification and Talent Development in Sports; Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle; Types & Method to Develop – Strength, Endurance and Speed; Types & Method to Develop – Flexibility and Coordinative Ability; Circuit Training - Introduction & its importance

MATHEMATICS (XI-XII)

(Code No. 041)

Session – 2022-23

The Syllabus in the subject of Mathematics has undergone changes from time to time in accordance with growth of the subject and emerging needs of the society. Senior Secondary stage is a launching stage from where the students go either for higher academic education in Mathematics or for professional courses like Engineering, Physical and Biological science, Commerce or Computer Applications. The present revised syllabus has been designed in accordance with National Curriculum Framework 2005 and as per guidelines given in Focus Group on Teaching of Mathematics 2005 which is to meet the emerging needs of all categories of students. Motivating the topics from real life situations and other subject areas, greater emphasis has been laid on application of various concepts.

Objectives

The broad objectives of teaching Mathematics at senior school stage intend to help the students:

- to acquire knowledge and critical understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles, symbols and mastery of underlying processes and skills.
- to feel the flow of reasons while proving a result or solving a problem.
- to apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method.
- to develop positive attitude to think, analyze and articulate logically.
- to develop interest in the subject by participating in related competitions.
- to acquaint students with different aspects of Mathematics used in daily life.
- to develop an interest in students to study Mathematics as a discipline.
- to develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases.
- to develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics.

COURSE STRUCTURE
CLASS XI (2022-23)

One Paper

Total Period–240 [35 Minutes each]

Three Hours

Max Marks: 80

No.	Units	No. of Periods	Marks
I.	Sets and Functions	60	23
II.	Algebra	50	25
III.	Coordinate Geometry	50	12
IV.	Calculus	40	08
V.	Statistics and Probability	40	12
	Total	240	80
	Internal Assessment		20

*No chapter/unit-wise weightage. Care to be taken to cover all the chapters.

Unit-I: Sets and Functions

1. Sets (20) Periods

Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.

2. Relations & Functions (20) Periods

Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.

3. Trigonometric Functions (20) Periods

Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of

the identity $\sin^2x + \cos^2x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Deducing identities like the following:

$$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$$

$$\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$$

$$\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$$

$$\cos \alpha - \cos \beta = -2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$$

Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.

Unit-II: Algebra

1. Complex Numbers and Quadratic Equations (10) Periods

Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane

2. Linear Inequalities (10) Periods

Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.

3. Permutations and Combinations (10) Periods

Fundamental principle of counting. Factorial n . $(n!)$ Permutations and combinations, derivation of Formulae for ${}^n P_r$ and ${}^n C_r$ and their connections, simple applications.

4. Binomial Theorem (10) Periods

Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.

5. Sequence and Series (10) Periods

Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.

Unit-III: Coordinate Geometry

1. Straight Lines (15) Periods

Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line.

2. Conic Sections (25) Periods

Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.

3. Introduction to Three-dimensional Geometry (10) Periods

Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.

Unit-IV: Calculus

1. Limits and Derivatives (40) Periods

Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.

Unit-V Statistics and Probability

1. Statistics (20) Periods

Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.

2. Probability (20) Periods

Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.

MATHEMATICS
QUESTION PAPER DESIGN
CLASS – XI (2022-23)

Time: 3 Hours

Max. Marks: 80

S. No.	Typology of Questions	Total Marks	% Weight age
1	<p>Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.</p> <p>Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas</p>	44	55
2	<p>Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.</p>	20	25
3	<p>Analysing : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations</p> <p>Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.</p> <p>Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions</p>	16	20
Total		80	100

- No chapter wise weightage. Care to be taken to cover all the chapters*
- Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.*

Choice(s):

There will be no overall choice in the question paper.

However, 33% internal choices will be given in all the sections

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 Marks
Mathematics Activities	10 Marks

Note: Please refer the guidelines given under XII Mathematics Syllabus:

CLASS-XII
(2022-23)

One Paper

Max Marks: 80

No.	Units	No. of Periods	Marks
I.	Relations and Functions	30	08
II.	Algebra	50	10
III.	Calculus	80	35
IV.	Vectors and Three - Dimensional Geometry	30	14
V.	Linear Programming	20	05
VI.	Probability	30	08
	Total	240	80
	Internal Assessment		20

Unit-I: Relations and Functions

1. Relations and Functions **15 Periods**

Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.

2. Inverse Trigonometric Functions **15 Periods**

Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.

Unit-II: Algebra

1. Matrices **25 Periods**

Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).

2. Determinants **25 Periods**

Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.

Unit-III: Calculus

1. Continuity and Differentiability

20 Periods

Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1} x$, $\cos^{-1} x$ and $\tan^{-1} x$, derivative of implicit functions. Concept of exponential and logarithmic functions.

Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives.

2. Applications of Derivatives

10 Periods

Applications of derivatives: rate of change of bodies, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).

3. Integrals

20 Periods

Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.

$$\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$$

$$\int \frac{px + q}{ax^2 + bx + c} dx, \int \frac{px + q}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx, \int \sqrt{x^2 - a^2} dx$$

$$\int \sqrt{ax^2 + bx + c} dx,$$

Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.

4. Applications of the Integrals

15 Periods

Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)

5. Differential Equations

15 Periods

Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type:

$$\frac{dy}{dx} + py = q, \text{ where } p \text{ and } q \text{ are functions of } x \text{ or constants.}$$

$$\frac{dx}{dy} + px = q, \text{ where } p \text{ and } q \text{ are functions of } y \text{ or constants.}$$

Unit-IV: Vectors and Three-Dimensional Geometry

1. Vectors

15 Periods

Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.

2. Three - dimensional Geometry

15 Periods

Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines.

Unit-V: Linear Programming

1. Linear Programming

20 Periods

Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).

Unit-VI: Probability

1. Probability

30 Periods

Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.

MATHEMATICS (Code No. - 041)
QUESTION PAPER DESIGN CLASS - XII
(2022-23)

Time: 3 hours

Max. Marks: 80

S. No.	Typology of Questions	Total Marks	% Weightage
1	<p>Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.</p> <p>Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas</p>	44	55
2	<p>Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.</p>	20	25
3	<p>Analysing : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations</p> <p>Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.</p> <p>Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions</p>	16	20
	Total	80	100

- No chapter wise weightage. Care to be taken to cover all the chapters*
- Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.*

Choice(s):

There will be no overall choice in the question paper.

However, 33% internal choices will be given in all the sections

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 Marks
Mathematics Activities	10 Marks

Note: For activities NCERT Lab Manual may be referred.

Conduct of Periodic Tests:

Periodic Test is a Pen and Paper assessment which is to be conducted by the respective subject teacher. The format of periodic test must have questions items with a balance mix, such as, very short answer (VSA), short answer (SA) and long answer (LA) to effectively assess the knowledge, understanding, application, skills, analysis, evaluation and synthesis. Depending on the nature of subject, the subject teacher will have the liberty of incorporating any other types of questions too. The modalities of the PT are as follows:

- a) **Mode:** The periodic test is to be taken in the form of pen-paper test.
- b) **Schedule:** In the entire Academic Year, three Periodic Tests in each subject may be conducted as follows:

Test	Pre Mid-term (PT-I)	Mid-Term (PT-II)	Post Mid-Term (PT-III)
Tentative Month	July-August	November	December-January

This is only a suggestive schedule and schools may conduct periodic tests as per their convenience. The winter bound schools would develop their own schedule with similar time gaps between two consecutive tests.

- c) **Average of Marks:** Once schools complete the conduct of all the three periodic tests, they will convert the weightage of each of the three tests into ten marks each for identifying best two tests. The best two will be taken into consideration and the average of the two shall be taken as the final marks for PT.
- d) The school will ensure simple documentation to keep a record of performance as suggested in detail circular no.Acad-05/2017.
- e) **Sharing of Feedback/Performance:** The students' achievement in each test must be shared with the students and their parents to give them an overview of the level of learning that has taken place during different periods. Feedback will help parents formulate interventions (conducive ambience, support materials, motivation and morale-boosting) to further enhance learning. A teacher, while sharing the feedback with student or parent, should be empathetic, non- judgmental and motivating. It is recommended that the teacher share best examples/performances of IA with the class to motivate all learners.

Assessment of Activity Work:

Throughout the year any 10 activities shall be performed by the student from the activities given in the NCERT Laboratory Manual for the respective class (XI or XII) which is available on the link: <http://www.ncert.nic.in/exemplar/labmanuals.html> a record of the same may be kept by the student. An year end test on the activity may be conducted

The weightage are as under:

- The activities performed by the student throughout the year and record keeping : 5 marks
- Assessment of the activity performed during the year end test: 3 marks
- Viva-voce: 2 marks

Prescribed Books:

- 1) Mathematics Textbook for Class XI, NCERT Publications
- 2) Mathematics Part I - Textbook for Class XII, NCERT Publication
- 3) Mathematics Part II - Textbook for Class XII, NCERT Publication
- 4) Mathematics Exemplar Problem for Class XI, Published by NCERT
- 5) Mathematics Exemplar Problem for Class XII, Published by NCERT
- 6) Mathematics Lab Manual class XI, published by NCERT
- 7) Mathematics Lab Manual class XII, published by NCERT

ECONOMICS (Code No. 030)

(2022-23)

Rationale

Economics is one of the social sciences, which has great influence on every human being. As economic life and the economy go through changes, the need to ground education in children's own experience becomes essential. While doing so, it is imperative to provide them opportunities to acquire analytical skills to observe and understand the economic realities.

At senior secondary stage, the learners are in a position to understand abstract ideas, exercise the power of thinking and to develop their own perception. It is at this stage, the learners are exposed to the rigour of the discipline of economics in a systematic way.

The economics courses are introduced in such a way that in the initial stage, the learners are introduced to the economic realities that the nation is facing today along with some basic statistical tools to understand these broader economic realities. In the later stage, the learners are introduced to economics as a theory of abstraction.

The economics courses also contain many projects and activities. These will provide opportunities for the learners to explore various economic issues both from their day-to-day life and also from issues, which are broader and invisible in nature. The academic skills that they learn in these courses would help to develop the projects and activities. The syllabus is also expected to provide opportunities to use information and communication technologies to facilitate their learning process.

Objectives:

- Understanding of some basic economic concepts and development of economic reasoning which the learners can apply in their day-to-day life as citizens, workers and consumers.
- Realisation of learners' role in nation building and sensitivity to the economic issues that the nation is facing today.
- Equipment with basic tools of economics and statistics to analyse economic issues. This is pertinent for even those who may not pursue this course beyond senior secondary stage.
- Development of understanding that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

ECONOMICS (030)

CLASS – XI (2022-23)

Theory: 80 Marks

3 Hours

Project: 20 Marks

Units		Marks	Periods
Part A	Statistics for Economics		
	Introduction	15	10
	Collection, Organisation and Presentation of Data		30
	Statistical Tools and Interpretation	25	50
		40	
Part B	Introductory Microeconomics		
	Introduction	04	10
	Consumer's Equilibrium and Demand	15	40
	Producer Behaviour and Supply	15	35
	Forms of Market and Price Determination under perfect competition with simple applications	06	25
		40	
			200
Part C	Project Work	20	20

Part A: Statistics for Economics

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data.

Unit 1: Introduction

10 Periods

What is Economics?

Meaning, scope, functions and importance of statistics in Economics

Unit 2: Collection, Organisation and Presentation of data

30 Periods

Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

Organisation of Data: Meaning and types of variables; Frequency Distribution.

Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data:
(i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).

Unit 3: Statistical Tools and Interpretation

50 Periods

For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.

Measures of Central Tendency- Arithmetic mean, median and mode

Correlation – meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation.

Introduction to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers.

Part B: Introductory Microeconomics

Unit 4: Introduction

10 Periods

Meaning of microeconomics and macroeconomics; positive and normative economics

What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.

Unit 5: Consumer's Equilibrium and Demand

40 Periods

Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

Unit 6: Producer Behaviour and Supply**35 Periods**

Meaning of Production Function – Short-Run and Long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost: Short run costs - total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships.

Revenue - total, average and marginal revenue - meaning and their relationship.

Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications.**25 Periods**

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply.

Simple Applications of Demand and Supply: Price ceiling, price floor.

Part C: Project in Economics**20 Periods**

Guidelines as given in class XII curriculum

Suggested Question Paper Design
Economics (Code No. 030)
Class XI (2022-23)
March 2023 Examination

Marks: 80

Duration: 3 hrs.

SN	Typology of Questions	Marks	Percentage
1	<p>Remembering and Understanding: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas</p>	44	55%
2	<p>Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.</p>	18	22.5%
3	<p>Analysing, Evaluating and Creating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.</p>	18	22.5%
	Total	80	100%

ECONOMICS
CLASS - XII (2022-23)

Theory: 80 Marks
Project: 20 Marks

3 Hours

Units		Marks	Periods
Part A	Introductory Macroeconomics		
	National Income and Related Aggregates	10	30
	Money and Banking	06	15
	Determination of Income and Employment	12	30
	Government Budget and the Economy	06	17
	Balance of Payments	06	18
		40	
Part B	Indian Economic Development		
	Development Experience (1947-90) and Economic Reforms since 1991	12	28
	Current Challenges facing Indian Economy	20	50
	Development Experience of India – A Comparison with Neighbours	08	12
	Theory Paper (40+40 = 80 Marks)	40	
			200
Part C	Project Work	20	20

Part A: Introductory Macroeconomics

Unit 1: National Income and Related Aggregates

30 Periods

What is Macroeconomics?

Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.

Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.

Aggregates related to National Income:

Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP.

GDP and Welfare

Unit 2: Money and Banking**15 Periods**

Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks.

Money creation by the commercial banking system.

Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.

Unit 3: Determination of Income and Employment**30 Periods**

Aggregate demand and its components.

Propensity to consume and propensity to save (average and marginal).

Short-run equilibrium output; investment multiplier and its mechanism.

Meaning of full employment and involuntary unemployment.

Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.

Unit 4: Government Budget and the Economy**17 Periods**

Government budget - meaning, objectives and components.

Classification of receipts - revenue receipts and capital receipts;

Classification of expenditure – revenue expenditure and capital expenditure.

Balanced, Surplus and Deficit Budget – measures of government deficit.

Unit 5: Balance of Payments**18 Periods**

Balance of payments account - meaning and components;

Balance of payments – Surplus and Deficit

Foreign exchange rate - meaning of fixed and flexible rates and managed floating.

Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate.

Managed Floating exchange rate system

Part B: Indian Economic Development

Unit 6: Development Experience (1947-90) and Economic Reforms since 1991:

28 Periods

A brief introduction of the state of Indian economy on the eve of independence.

Indian economic system and common goals of Five Year Plans.

Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade.

Economic Reforms since 1991:

Features and appraisals of liberalisation, globalisation and privatisation (LPG policy);

Concepts of demonetization and GST

Unit 7: Current challenges facing Indian Economy

60 Periods

Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India

Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming

Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies

Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming

Unit 8: Development Experience of India:

12 Periods

A comparison with neighbours

India and Pakistan

India and China

Issues: economic growth, population, sectoral development and other Human Development Indicators

Part C: Project in Economics

20 Periods

Prescribed Books:

1. Statistics for Economics, NCERT
2. Indian Economic Development, NCERT
3. Introductory Microeconomics, NCERT
4. Macroeconomics, NCERT
5. Supplementary Reading Material in Economics, CBSE

Note: The above publications are also available in Hindi Medium.

Suggested Question Paper Design
Economics (Code No. 030)
Class XII (2022-23)
March 2023 Examination

Marks: 80

Duration: 3 hrs.

SN	Typology of Questions	Marks	Percentage
1	<p>Remembering and Understanding: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas</p>	44	55%
2	<p>Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.</p>	18	22.5%
3	<p>Analysing, Evaluating and Creating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.</p>	18	22.5%
Total		80	100%

Guidelines for Project Work in Economics (Class XI and XII)

The **objectives** of the project work are to enable learners to:

- probe deeper into theoretical concepts learnt in classes XI and XII
- analyse and evaluate real world economic scenarios using theoretical constructs and arguments
- demonstrate the learning of economic theory
- follow up aspects of economics in which learners have interest
- develop the communication skills to argue logically

The **expectations** of the project work are that:

- learners will complete only **ONE** project in each academic session
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written
- it will be an independent, self-directed piece of study

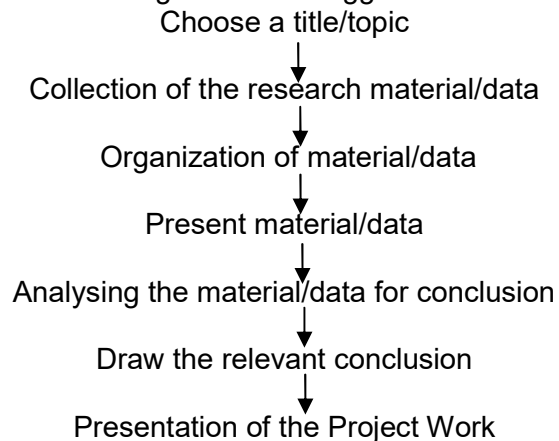
Role of the teacher:

The teacher plays a critical role in developing thinking skills of the learners. A teacher should:

- help each learner select the topic based on recently published extracts from the news media, government policies, RBI bulletin, NITI Aayog reports, IMF/World Bank reports etc., after detailed discussions and deliberations of the topic
- play the role of a facilitator and supervisor to monitor the project work of the learner through periodic discussions
- guide the research work in terms of sources for the relevant data
- educate learner about plagiarism and the importance of quoting the source of the information to ensure authenticity of research work
- prepare the learner for the presentation of the project work
- arrange a presentation of the project file

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:



Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- *Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.*

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

Marking Scheme :

Marks are suggested to be given as –

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Suggestive List of Projects:

Class XI	
• Effect on PPC due to various government policies	• Invisible Hand (Adam Smith)
• Opportunity Cost as an Economic Tool (taking real life situations)	• Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
• Effect on equilibrium Prices in Local Market (taking real life situation or recent news)	• Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
• Solar Energy, a Cost Effective Comparison with Conventional Energy Sources	• Bumper Production- Boon or Bane for the Farmer
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

Class XII	
• Micro and Small Scale Industries	• Food Supply Channel in India
• Contemporary Employment situation in India	• Disinvestment policy of the government
• Goods and Services Tax Act and its Impact on GDP	• Health Expenditure (of any state)
• Human Development Index	• Inclusive Growth Strategy
• Self-help group	• Trends in Credit availability in India
• Monetary policy committee and its functions	• Role of RBI in Control of Credit
• Government Budget & its Components	• Trends in budgetary condition of India
• Exchange Rate determination – Methods and Techniques	• Currency War – reasons and repercussions
• Livestock – Backbone of Rural India	• Alternate fuel – types and importance
• Sarwa Siksha Abhiyan – Cost Ratio Benefits	• Golden Quadrilateral- Cost ratio benefit
• Minimum Support Prices	• Relation between Stock Price Index and Economic Health of Nation
• Waste Management in India – Need of the hour	• Minimum Wage Rate – approach and Application
• Digital India- Step towards the future	• Rain Water Harvesting – a solution to water crises
• Vertical Farming – an alternate way	• Silk Route- Revival of the past
• Make in India – The way ahead	• Bumper Production- Boon or Bane for the farmer
• Rise of Concrete Jungle- Trend Analysis	• Organic Farming – Back to the Nature
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

ENGLISH (CORE)

Code No. 301

(2022-23)

Background

Students are expected to have acquired a reasonable degree of language proficiency in English Language by the time they come to class XI, and the course aims, essentially, at promoting the higher-order language skills.

For a large number of students, the higher secondary stage will be a preparation for the university, where a fairly high degree of proficiency in English may be required. But for another large group, the higher secondary stage may be a preparation for entry into the professional domain. The Core Course should cater to both groups by promoting the language skills required for academic study as well as the language skills required for the workplace.

Competencies to be focused on:

The general objectives at this stage are to:

- listen and comprehend live as well as record in writing oral presentations on a variety of topics
- develop greater confidence and proficiency in the use of language skills necessary for social and academic purpose to participate in group discussions, interviews by making short oral presentation on given topics
- perceive the overall meaning and organisation of the text (i.e., correlation of the vital portions of the text)
- identify the central/main point and supporting details, etc., to build communicative competence in various lexicons of English
- promote advanced language skills with an aim to develop the skills of reasoning, drawing inferences, etc. through meaningful activities
- translate texts from mother tongue(s) into English and vice versa
- develop ability and acquire knowledge required in order to engage in independent reflection and enquiry
- read and comprehend extended texts (prescribed and non-prescribed) in the following genres: science fiction, drama, poetry, biography, autobiography, travel and sports literature, etc.
- text-based writing (i.e., writing in response to questions or tasks based on prescribed or unseen texts) understand and respond to lectures, speeches, etc.
- write expository / argumentative essays, explaining or developing a topic, arguing a case, etc. write formal/informal letters and applications for different purposes

- make use of contextual clues to infer meanings of unfamiliar vocabulary
- select, compile and collate information for an oral presentation
- produce unified paragraphs with adequate details and support
- use grammatical structures accurately and appropriately
- write items related to the workplace (minutes, memoranda, notices, summaries, reports etc.
- filling up of forms, preparing CV, e-mail messages., making notes from referencematerials, recorded talks etc.

The core course should draw upon the language items suggested for class IX-X and delve deeper into their usage and functions. Particular attention may, however, be given to the following areas of grammar:

- The use of passive forms in scientific and innovative writings.
- Convert one kind of sentence/clause into a different kind of structure as well as other items to exemplify stylistic variations in different discourses modal auxiliaries- uses based on semantic considerations.

A. Specific Objectives of Reading

Students are expected to develop the following study skills:

- skim for main ideas and scan for details
- refer to dictionaries, encyclopedia, thesaurus and academic reference material in any format
- select and extract relevant information, using reading skills of skimming and scanning
- understand the writer's purpose and tone
- comprehend the difference between the literal and the figurative
- differentiate between claims and realities, facts and opinions, form business opinions on the basis of latest trends available
- comprehend technical language as required in computer related fields, arrive at personal conclusion and logically comment on a given text.
- Specifically develop the ability to be original and creative in interpreting opinion, develop the ability to be logically persuasive in defending one's opinion and making notes based on a text.

Develop literary skills as enumerated below:

- respond to literary texts
- appreciate and analyse special features of languages that differentiate literary texts from non-literary ones, explore and evaluate features of character, plot, setting, etc.
- understand and appreciate the oral, mobile and visual elements of drama. Identify the elements of style such as humour, pathos, satire and irony, etc.
- make notes from various resources for the purpose of developing the extracted ideas into sustained pieces of writing

B. Listening and Speaking

Speaking needs a very strong emphasis and is an important objective leading to professional competence. Hence, testing of oral skills must be made an important component of the overall testing pattern. To this end, speaking and listening skills are overtly built into the material to guide the teachers in actualization of the skills.

Specific Objectives of Listening & Speaking

Students are expected to develop the ability to:

- take organized notes on lectures, talks and listening passages
- listen to news bulletins and to develop the ability to discuss informally a wideranging issues like current national and international affairs, sports, business, etc.
- respond in interviews and to participate in formal group discussions.
- make enquiries meaningfully and adequately and to respond to enquiries for the purpose of travelling within the country and abroad.
- listen to business news and to be able to extract relevant important information.
- to develop public speaking skills.

C. Specific Objectives of Writing

The students will be able to:

- write letters to friends, relatives, etc. to write business and official letters.
- open accounts in post offices and banks. To fill in railway/airline reservation forms.
- draft notices, advertisements and design posters effectively and appropriately
- write on various issues to institutions seeking relevant information, lodge complaints, express gratitude or render apology.
- write applications, fill in application forms, prepare a personal bio-data for admission into colleges, universities, entrance tests and jobs.
- write informal reports as part of personal letters on functions, programmes and activities held in school (morning assembly, annual day, sports day, etc.)
- write formal reports for school magazines/events/processes/ or in local newspapers about events or occasions.
- express opinions, facts, arguments in the form of speech or debates, using a variety of accurate sentence structures
- draft papers to be presented in symposia.
- take down notes from talks and lectures.
- write examination answers according to the requirement of various subjects.
- summarise a text.

D. More About Reading

Inculcating good reading habits in children has always been a concern for all stakeholders in education. The purpose is to create independent thinking individuals with the ability to not only create their own knowledge but also critically interpret, analyse and evaluate it with objectivity and fairness. This will also help students in learning and acquiring better language skills.

Creating learners for the 21st century involves making them independent learners who can learn, unlearn and relearn. If our children are in the habit of reading, they will learn to reinvent themselves and deal with the many challenges that lie ahead of them.

Reading is not merely decoding information or pronouncing words correctly. It is an interactive dialogue between the author and the reader in which the reader and the author share their experiences and knowledge with each other. Good readers are critical readers with an ability to arrive at a deeper understanding of not only the world presented in the book but also of the real world around them.

Consequently, they become independent thinkers capable of taking their own decisions in life rationally. Hence, a few activities are suggested below which teachers may use as a part of the reading project.

- Short review / dramatization of the story
- Commentary on the characters
- Critical evaluation of the plot, storyline and characters
- Comparing and contrasting the characters within the story, with other characters in stories by the same author or by different authors
- Extrapolating about the story read or life of characters after the story ends defending characters actions in the story
- Making an audio story out of the novel/text to be read aloud.
- Interacting with the author
- Holding a literature fest where students role-play as various characters to interact with each other
- Role playing as authors/poets/dramatists, to defend their works and characters
- Symposiums and seminars for introducing a book, an author, or a theme
- Creating graphic novels out of novel or short stories they read
- Dramatizing incidents from a novel or a story
- Creating their own stories
- Books of one genre to be read by the whole class.

Teachers may select books and e-books suitable to the age and level of the learners. Care ought to be taken to choose books that are appropriate in terms of language, theme and content and which do not hurt the sensibilities of a child.

Teachers may later suggest books from other languages by dealing with the same themes as an extended activity. The Project should lead to independent learning/reading skills and hence the chosen book should not be taught in class, but may be introduced through activities and be left for the students to read at their own pace. Teachers may, however, choose to assess a student's progress or success in reading the book by asking for verbal or written progress reports, looking at their diary entries, engaging in a discussion about the book, giving a short quiz or a work sheet about the book/short story. A befitting mode of assessment may be chosen by the teacher.

Methods and Techniques

The techniques used for teaching should promote habits of self-learning and reduce dependence on the teacher. In general, we recommend a multi-skill, learner-centred, activity based approach, of which there can be many variations. The core classroom activity is likely to be that of silent reading of prescribed/selected texts for comprehension, which can lead to other forms of language learning activities such as role-play, dramatization, group discussion, writing, etc., although many such activities could be carried out without the preliminary use of textual material. It is important that students be trained to read independently and intelligently, interacting actively with texts, with the use of reference materials (dictionary, thesaurus, etc.) where necessary. Some pre-reading activity will generally be required, and the course books should suggest suitable activities, leaving teachers free to devise other activities when desired. So also, the reading of texts should be followed by post reading activities. It is important to remember that students should be encouraged to interpret texts in different ways.

Group and pair activities can be resorted to when desired, although many useful language activities can be carried out individually. In general, teachers should encourage students to interact actively with texts and with each other. Oral activity (group discussion, etc.) should be encouraged.

**ENGLISH CORE
CODE NO. 301
CLASS – XI (2022-23)**

**Section A
Reading Skills**

Reading Comprehension through Unseen Passage **18 Marks**

I. One unseen passage to assess comprehension, interpretation inference and vocabulary. The passage may be factual, descriptive or literary.

II. One unseen **case-based** passage with verbal/visual inputs like statistical data, charts etc.

Note: The combined word limit for both the passages will be 600-750.

Multiple Choice Questions / Objective Type Questions will be asked. **(10+8 = 18 Marks)**

III. Note Making and Summarization based on a passage of approximately 200-250 words.

- | | | | |
|------------|----------------------------|---|----------------|
| i. | Note Making: | | 5 Marks |
| | ○ Title: | 1 | |
| | ○ Numbering and indenting: | 1 | |
| | ○ Key/glossary: | 1 | |
| | ○ Notes: | 2 | |
| ii. | Summary (up to 50 words): | | 3 Marks |
| | ○ Content: | 2 | |
| | ○ Expression: | 1 | |

Section B

IV. Grammar **7 Marks**

- i. Questions on Gap filling (Tenses, Clauses)
- ii. Questions on re-ordering/transformation of sentences

(Total seven questions to be done out of the eight given).

V. Creative Writing Skills **16 Marks**

- i. Short writing task – Classified Advertisements up to 50 words. One out of the two given questions to be answered **(3 Marks: Format : 1 / Content : 1 / Expression : 1)**

- ii. Short writing task –**Poster** up to 50 words. One out of the two given questions to be answered. **(3marks:Format : 1 / Content : 1 / Expression : 1)**
- iii. Writing a Speech in 120-150 words based on verbal / visual cues related to some contemporary / age-appropriate topic.
- iv. Writing a Debate based on visual/verbal inputs in 120-150 words. The theme should be contemporary topical issues. One out of the two given questions to be answered. **(5 Marks: Format: 1 / Content: 2 / Expression: 2)**

Section C

This section will have variety of assessment items including Multiple Choice Questions, Objective Type Questions, Short Answer Type Questions and Long Answer Type Questions to assess comprehension, analysis, interpretation and extrapolation beyond the text.

VI. Reference to the Context

- i. One Poetry extract out of two from the book **Hornbill** to assess comprehension, interpretation, analysis and appreciation. **(3x1=3 Marks)**
- ii. One Prose extract out of two from the book **Hornbill** to assess comprehension, interpretation, analysis and appreciation. **(3x1=3 Marks)**
- iii. One prose extract out of two from the book **Snapshots** to assess comprehension, interpretation and analysis. **(4x1=4 Marks)**

VII. Two Short answer type question (one from Prose and one from Poetry from the book **Hornbill**), out of four, to be answered in 40-50 words. Questions should elicit inferential responses through critical thinking. **(3x2=6 Marks)**

VIII. One Short answer type question, from the book **Snapshots**, to be answered in 40- 50 words. Questions should elicit inferential responses through critical thinking. Any 1 out of 2 questions to be done. **(3x1=3 Marks)**

IX. One Long answer type question, from **Prose/Poetry Hornbill**, to be answered in 120-150 words. Questions can be based on incident / theme / passage / extract / event as reference points to assess extrapolation beyond and across the text. The question will elicit analytical and evaluative response from student. Any 1 out of 2 questions to be done. **(1x6=6 Marks)**

X. One Long answer type question, based on the chapters from the book **Snapshots** to be answered in 120-150 words to assess global comprehension and extrapolation beyond the text. Questions to provide evaluative and analytical responses using incidents, events, themes as reference points. Any 1 out of 2 questions to be done. **(1x6=6 Marks)**

Prescribed Books

1. Hornbill: English Reader published by National Council of Education Research and Training, New Delhi

- The Portrait of a Lady (Prose)
- A Photograph (Poem)
- “We’re Not Afraid to Die... if we can be together
- Discovering Tut: the Saga Continues
- The Laburnum Top (Poem)
- The Voice of the Rain (Poem)
- Childhood (Poem)
- The Adventure
- Silk Road (Prose)
- Father to Son

2. Snapshots: Supplementary Reader published by National Council of Education Research and Training, New Delhi

- The Summer of the Beautiful White Horse (Prose)
- The Address (Prose)
- Mother’s Day (Play)
- Birth (Prose)
- The Tale of Melon City

INTERNAL ASSESSMENT

Assessment of Listening Skills - 05 marks.
Assessment of Speaking Skills – 05 Marks
Project Work - 10 Marks

Question Paper Design 2022-23 English

CORE XI (Code No. 301)

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	26
Creative Writing Sills	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	23
Literature Text Books and Supplementary Reading Texts	Recalling, reasoning, appreciating literary convention, inference, analysis, creativity with fluency, Critical Thinking.	31
	TOTAL	80
	Assessment of Listening and Speaking Skills	10
	Internal Assessment <ul style="list-style-type: none">• Listening• Speaking• Project Work	5 5 10
	GRAND TOTAL	100

ENGLISH CORE
CODE NO. 301
CLASS – XII 2022-23

Section A
Reading Skills

Reading Comprehension through Unseen Passage

20 Marks

I. One unseen passage to assess comprehension, interpretation and inference. Vocabulary and inference of meaning will also be assessed. The passage may be factual, descriptive or literary.

(10x1=10

Marks)

II. One unseen **case-based** passage with verbal/visual inputs like statistical data, charts etc.

(10x1=10 Marks)

Note: The combined word limit for both the passages will be 700-750 words.

Multiple Choice Questions / Objective Type Questions will be asked.

Section B

III. Creative Writing Skills

20 Marks

The section has Short and Long writing tasks.

- i. Notice up to 50 words. One out of the two given questions to be answered. **(5 Marks:** Format : 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar : 1).
- ii. Formal/Informal Invitation and Reply up to 50 words. One out of the two given questions to be answered. **(5 Marks:** Format : 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar :1).
- iii. Letters based on verbal/visual input, to be answered in approximately 120-150 words. Letter types include application for a job with bio data or resume. Letters to the editor (giving suggestions or opinion on issues of public interest) . One out of the two given questions to be answered . **(5 Marks:** Format : 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar :1).
- iv. Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, to be answered in 120-150 words. One out of the two given questions to be . **(5 Marks:** Format : 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar :1).

Section C

This section will have variety of assessment items including Multiple Choice Questions, Objective Type Questions, Short Answer Type Questions and Long Answer Type Questions to assess comprehension, analysis, interpretation and extrapolation beyond the text.

IV. Reference to the Context

40 Marks

- i. One Poetry extract out of two from the book **Flamingo** to assess comprehension, interpretation, analysis and appreciation. **(6x1=6 Marks)**
 - ii. One Prose extract out of two from the book **Vistas** to assess comprehension, interpretation, analysis and appreciation. **(4x1=4 Marks)**
 - iii. One prose extract out of two from the book **Flamingo** to assess comprehension, interpretation and analysis. **(6x1=6Marks)**
- V.** Short answer type question (**from Prose and Poetry from the book Flamingo**), to be answered in 40-50 words. Questions should elicit inferential responses through critical thinking. Five questions out of the six given are to be answered. **(5x2=10 Marks)**
- VI.** Short answer type question, from **Prose (Vistas)**, to be answered in 40- 50 words. Questions should elicit inferential responses through critical thinking. Any 2 out of 3 questions to be done. **(2x2=4 Marks)**
- VII.** One Long answer type question, from **Prose/Poetry (Flamingo)**, to be answered in 120-150 words. Questions can be based on incident / theme / passage / extract / event as reference points to assess extrapolation beyond and across the text. The question will elicit analytical and evaluative response from student. Any 1 out of 2 questions to be done. **(1x5=5 Marks)**
- VIII.** One Long answer type question, based on the chapters from the book **Vistas**,to be answered in 120-150 words to assess global comprehension and extrapolation beyond the text. Questions to provide evaluative and analytical responses using incidents, events, themes as reference points. Any 1 out of 2 questions to be done. **(1x5=5 Marks)**

Prescribed Books

1. **Flamingo:** English Reader published by National Council of Education Research and Training, New Delhi

(Prose)

- The Last Lesson
- Lost Spring
- Deep Water
- The Rattrap
- Indigo
- Poets and Pancakes
- The Interview
- Going Places

(Poetry)

- My Mother at Sixty-Six
- Keeping Quiet
- A Thing of Beauty
- A Roadside Stand
- Aunt Jennifer's Tigers

2. **Vistas:** Supplementary Reader published by National Council of Education Research and Training, New Delhi

- The Third Level
- The Tiger King
- Journey to the end of the Earth
- The Enemy
- On the Face of It
- Memories of Childhood
 - The Cutting of My Long Hair
 - We Too are Human Beings

INTERNAL ASSESSMENT

Assessment of Listening Skills - 05 marks.
Assessment of Speaking Skills – 05 Marks
Project Work - 10 Marks

Question Paper Design 2022-23
Code No. 301
English CORE XII

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	20
Creative Writing Sills	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	20
Literature Text Books and Supplementary Reading Texts	Recalling, reasoning, critical thinking, appreciating literary convention, inference, analysis, creativity with fluency.	40
	TOTAL	80
	Assessment of Listening and Speaking Skills	10
	Internal Assessment <ul style="list-style-type: none"> • Listening • Speaking • Project Work 	5 5 10
	GRAND TOTAL	100

Guidelines for Internal Assessment

Classes XI-XII

ALS must be seen as an integrated component of all four language skills rather than a compartment of two. Suggested activities, therefore, take into consideration an integration of the four language skills but during assessment, emphasis will be given to speaking and listening, since reading and writing are already being assessed in the written exam.

Classes XI-XII Total Marks: 20

Assessment of Listening and Speaking Skills: (5+5=10 Marks)

i. Activities:

- Subject teachers must refer to books prescribed in the syllabus.
- In addition to the above, teachers may plan their own activities and create their own material for assessing the listening and speaking skills.

ii. Parameters for Assessment: The listening and speaking skills are to be assessed on the following parameters:

- a. Interactive competence (Initiation & turn taking, relevance to the topic)
- b. Fluency (cohesion, coherence and speed of delivery)
- c. Pronunciation
- d. Language (grammar and vocabulary)

A suggestive rubric is given below:

	1.	2.	3.	4.	5.
Interaction	<ul style="list-style-type: none"> • Contributions are mainly unrelated to those of other speakers • Shows hardly any initiative in the development of conversation • Very limited interaction 	<ul style="list-style-type: none"> • Contributions are often unrelated to those of the other speaker • Generally passive in the development of conversation 	<ul style="list-style-type: none"> • Develops interaction adequately, makes however minimal effort to initiate conversation • Needs constant prompting to take turns 	<ul style="list-style-type: none"> • Interaction is adequately initiated and develop • Can take turn but needs little prompting 	<ul style="list-style-type: none"> • Can initiate & logically develop simple conversation on familiar topics • Can take turns appropriately
Pronunciation	<ul style="list-style-type: none"> • Insufficient accuracy in pronunciation; many grammatical errors • Communication is severely affected 	<ul style="list-style-type: none"> • Frequently unintelligible articulation • Frequent phonological errors • Major communication problems 	<ul style="list-style-type: none"> • Largely correct pronunciation & clear articulation except occasional errors • Some expressions cause stress without compromising with understanding of spoken discourse. 	<ul style="list-style-type: none"> • Mostly correct pronunciation & clear articulation • Can be clearly understood most of the time; very few phonological errors 	<ul style="list-style-type: none"> • Can pronounce correctly & articulate clearly • Is always comprehensible ; uses appropriate intonation

Fluency & Coherence	1. <ul style="list-style-type: none"> Noticeably/ long pauses; rate of Speech is slow Frequent repetition and/or self- correction Links only basic sentences; breakdown of coherence evident 	2. <ul style="list-style-type: none"> Usually fluent; produces simple speech fluently, but loses coherence in complex communication Often hesitates and/or resorts to slow speech Topics partly developed; not always concluded logically 	3. <ul style="list-style-type: none"> Is willing to speak at length, however repetition is noticeable Hesitates and/or self corrects; occasionally loses coherence Topics mainly developed, but usually not logically concluded 	4. <ul style="list-style-type: none"> Speaks without noticeable effort, with a little repetition Demonstrates hesitation to find words or use correct grammatical structures and/or self-correction Topics not fully developed to merit 	5. <ul style="list-style-type: none"> Speaks fluently almost with no repetition & minimal hesitation Develops topic fully & coherently
Vocabulary & Grammar	<ul style="list-style-type: none"> Demonstrates almost no flexibility, and mostly struggles for appropriate words Uses very basic vocabulary to express view-points. 	<ul style="list-style-type: none"> Communicates with limited flexibility and appropriacy on some of the topics Complex forms and sentence structures are rare; exhibits limited vocabulary to express new ideas 	<ul style="list-style-type: none"> Communicate s' with limited flexibility and appropriacy on most of the topics Sometimes uses complex forms and sentence structures; has limited vocabulary to describe/ express new points 	<ul style="list-style-type: none"> Can express with some flexibility and appropriacy on most of the topics Demonstrates ability to use complex forms and sentence structures most of the time; expresses with adequate vocabulary 	<ul style="list-style-type: none"> Can express with some flexibility and appropriacy on a variety of topics such as family, hobbies, work, travel and current events Frequently uses complex forms and sentence structures; has enough vocabulary to express himself/ herself

iii. Schedule:

- The practice of listening and speaking skills should be done throughout the academic year.
- The final assessment of the skills is to be done as per the convenience and schedule of the school.

Project Work + Viva: 10 Marks

Out of ten marks, 5 marks will be allotted for the project report/script /essay etc. and 5 marks for the viva.

I. Schedule:

- Schools may refer to the suggestive timeline given in these guidelines for the planning, preparation and viva-voce of ALS based projects.
- The final assessment of the skills may be done on the basis of parameters suggested by the Board. Language teachers, however, have the option to adopt/ modify these parameters according to their school specific requirements.

II. Suggestions for Project Work:

- The Project can be inter-disciplinary in theme. The ideas/issues highlighted in the chapters/ poems/ drama given the prescribed books can also be developed in the form of a project. Students can also take up any relevant and age-appropriate theme.
- Such topics may be taken up that provide students with opportunities for listening and speaking.

Some suggestions are as follows:

a. Interview-Based research:

Example:

- Students can choose a topic on which to do their research/ interview, e.g. a student can choose the topic : “Evolving food tastes in my neighbourhood” or “Corona pandemic and the fallout on families.” Read the available literature.
 - The student then conducts interviews with a few neighbours on the topic. For an interview, with the help of the teacher, student will frame questions based on the preliminary research/background.
 - The student will then write an essay/ write up / report etc. up to 1000 words on his/her research and submit it. He / She will then take a viva on the research project. The project can be done in individually or in pairs/ groups
- b.** Listen to podcasts/ interviews/radio or TV documentary on a topic and prepare a report countering or agreeing with the speakers. Write an 800 - 1000 words report and submit. Take a viva on the report.
- c.** Students create their own video/ Audio, after writing a script. Before they decide a format, the following elements can be taken into consideration:
- Theme/topic of the audio / video. Would the child like to pick a current issue or something artistic like theatre?
 - What are the elements that need to be part of the script?
 - Will the video/audio have an interview with one or more guests?
 - Would they prefer to improvise while chatting with guests, or work from a script?
 - What would be the duration?
 - How would they present the script/report to the teacher, e.g. Can it be in the form of a narrative?
- d. Write, direct and present a theatrical production, /One act play**
This will be a project which will be done as a team. It will involve planning, preparation and presentation. In short, various language skills will be utilised. There will be researching, discussion, writing the script, auditioning and ultimately producing the play. The project will end with a presentation and subsequently a viva. Teachers will be able to assess the core language skills of the students and help them grow as 21st century critical thinkers.

III. Instructions for the Teachers:-

- 1. Properly orient students about the Project work, as per the present Guidelines.**
- 2. Facilitate the students in the selection of theme and topic.**
- 3. Create a rubric for assessment and share with the students before they start so that they know the parameters of assessment:**
 - Teachers need to familiarize themselves with the method of assessing students with the rubric-- a table with different criteria and a grading scale.
 - Choose the criteria on which you will grade students and list them along the left side of the page.
 - Create an even number of columns along the top of the page. These columns will represent potential skill levels of the students.
 - Assessing students on four/five criteria is an easy way to begin. For each criterion, define the ability that a student would exhibit at each of the levels.
- The more detailed you make your criteria, the easier it will be to evaluate each student and define the level at which the student is presenting.
{Sample Rubric is attached at the end for reference}

IV. Parameters for Overall Assessment:-

- 1. Pronunciation:**
 - When evaluating the pronunciation of the students, teachers must listen for clearly articulated words, pronunciation of unusual spellings and intonation.
 - Assess the students for the pronunciation skills and determine at which level the student needs improvement.
- 2. Vocabulary:**
 - After noting their pronunciation levels, evaluate the students on the use of extensive and appropriate **vocabulary** during the viva. Check if students are using vocabulary appropriate to the context about which they are speaking.
- 3. Accuracy:**
 - Grammar has always been an important component of language skills. As students speak/ answer the questions during the viva, listen to their **grammatical structures**. *Are they competent enough to use multiple tenses? Is their word order correct in a given sentence?* An effective speaker will automatically use the correct grammatical structures of his language.

4. Communication:

- Assessing the **communication skills** of the students means looking at more than language. Look at how creatively students use the language to make their points understood. Students with a low level of vocabulary and grammar may still have good communication skills if they are able to make the teacher understand their point of view.

5. Interaction:

- During the viva teachers need to ask the students some questions. Questions need to be based on the projects that have been suggested or chosen by the students.
- It is imperative for a teacher to read the essays/project reports before they can be ready to ask questions.
- Teachers need to observe how students answer the questions that are posed to them: *Are they able to understand and answer questions independently or can they answer only when the questions are translated into simpler words or repeated? Are they able to give appropriate responses in a conversation?*
- These elements of **interaction** are necessary for clear and effective communication. A student with effective interaction skills will be able to answer questions with relative ease and follow the flow of conversation.

6. Fluency:

- Fluency may be the easiest quality to judge in the students' speech: *How comfortable are they as they speak and express themselves? How easily do the words come out? Are there inappropriate pauses and gaps in the way a student speaks?*
- **Fluency** is a judgement of this communication and is an important criterion when evaluating speaking skills. These criteria: pronunciation, vocabulary, accuracy, interaction and fluency are all the hallmarks of a student's overall speaking abilities.
- Teachers must also remember that some **students may excel in one area and struggle in another**. Helping the students understand these issues will enable them to become effective speakers in future. Let your students know that you will be assessing them in these various areas when you evaluate their progress and encourage them to work and improve in these areas.
- **Finally**, teachers must remember that a proper evaluation of the students will take into consideration **more than just one oral interview on the final ASL project**. Teachers must take note of a student's progress throughout the academic year.

V. Project-Portfolio/ Project Report

The **Project-Portfolio/Project Report** is a compilation of the work that the students produce during the process of working on their ALS Project.

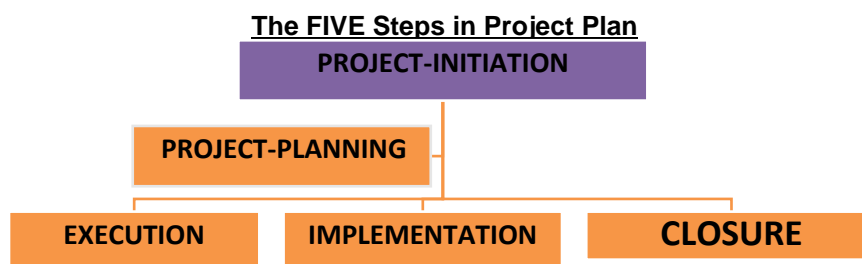
The Project-Portfolio may include the following:

- Cover page, with title of project, school details/details of students.
- Statement of purpose/objectives/goals
- Certificate of completion under the guidance of the teacher.
- Action plan for the completion of assigned tasks.
- Materials such as scripts for the theatre/role play, questionnaires for interview, written assignments, essays, survey-reports and other material evidence of learning progress and academic accomplishment.
- The 800-1000 words essay/Script/Report.
- Student/group reflections.
- If possible, Photographs that capture the positive learning experiences of the student(s).
- List of resources/bibliography.

The following points must be kept for consideration while assessing the project portfolios:

- Quality of content of the project
- Accuracy of information
- Adherence to the specified timeline
- Content in respect of (spellings, grammar ,punctuation)
- Clarity of thoughts and ideas
- Creativity
- Contributions by group members
- Knowledge and experience gained

VI. Suggestive Timeline:



Month	Objectives
Planning and Research for the Project Work Preferably till November-December	<ul style="list-style-type: none"> ● Teachers plan a day to orient students about the ALS projects, details are shared with all stakeholders. ● Students choose a project, select team members and develop project- plan. ● Group meets (preferably online) and reports to the team leader about the progress: shortfalls and successes are detailed. ● Team leader apprises teacher-mentor. ● Students working individually or in pairs also update the teachers. ● A logical, deliverable and practical plan is drafted by the team/ pair/individual. Goals/objectives are clearly defined for all. ● Work is delegated to team members by the team leader. Students wishing to work alone develop their own plan of Action. ● Detailed project schedules are shared with the teacher.
December-January	<ul style="list-style-type: none"> ● Suggestions and improvements are shared by the teacher, wherever necessary. ● Group members coordinate and keep communication channels open for interaction. ● Gaps (if any) are filled with the right skill sets by the Team Leader/ individual student.
January-February	<ul style="list-style-type: none"> ● The final draft of the project portfolio/ report is prepared and submitted for evaluation.
January-February	<ul style="list-style-type: none"> ● Students are assessed on their group/pair/individual presentations on allotted days. Final Viva is conducted by the External/Internal examiner.
February-March or as per the timelines given by the Board	<ul style="list-style-type: none"> ● Marks are uploaded on the CBSE website.

**SAMPLE RUBRIC FOR ALS Project Work
(For Theatre/Role Play/Oral presentation/Interview/Podcast)**

CATEGORY	1	2	3	4	5
TIME LIMIT	Presentation is less than or more than 5 minutes long	Presentation exceeded or less than specified time limit by 4 to 5 minutes	Presentation exceeded or less than specified time limit by 3 to 4 minutes	Presentation exceeded or less than specified time limit by 2 to 3 minutes	Student/ group adhered to the given time limit
CONTENT/SCRIPT/ QUESTIONNAIRE	Script is not related to topic or issue	Well written script/ content shows little understanding of parts of topic	Well written script/ content shows good understanding of parts of topic	Well written script/ content shows a good understanding of subject topic	Well written script/ content shows full understanding of subject topic
CREATIVITY	No props/costumes/ stage presentation lack-lustre	Some work done, average stage set- up and costumes	Well organized presentation, could have improved	Logical use of props ,reasonable work done, creative	Suitable props / honest effort seen/ considerable work done/ creative and relevant costumes
PREPAREDNESS	Student /group seems to be unprepared	Some preparedness visible, but rehearsal is lacking	Somewhat prepared, rehearsal is lacking	Good preparedness ,but need better rehearsal	Complete preparedness/ rehearsed presentation
CLARITY OF SPEECH	Lack of clarity in presentation many words mispronounced	Speaks clearly, some words are mispronounced	Speaks clearly 90% of the time/ a few mispronounced words	Speaks clearly and distinctly 95% of time/ few mispronounced words	Speaks clearly distinctly 95% of time/ fluency in pronunciation
USE OF PROPS (Theatre/Role Play)	Only 1/no relevant props used	1 to 2 relevant props used	2 to 3 relevant props used	3 to 4 relevant props used	4 to 5 relevant props used
EXPRESSION/ BODY LANGUAGE	Very little use of facial expressions/ body language, does not generate much interest	Little Use of facial expressions and body language	Facial expressions and body language are used to try to generate some enthusiasm	Facial expression and body language sometimes generate strong enthusiasm with the topic	Facial expression and body language generate strong enthusiasm with the topic
PORTFOLIO- PRESENTATION	Inadequate & unimpressive	Somewhat suitable & convincing	Adequate & relevant	Interesting, enjoyable & relevant	Brilliant, creative & exceptional

Computer Science
CLASS-XI
Code No. 083
2022-23

1. Learning Outcomes

Student should be able to

- a) develop basic computational thinking
- b) explain and use data types
- c) appreciate the notion of algorithm
- d) develop a basic understanding of computer systems - architecture, operating system and cloud computing
- e) explain cyber ethics, cyber safety and cybercrime
- f) Understand the value of technology in societies along with consideration of gender and disability issues

2. Distribution of Marks

Unit No.	Unit Name	Marks	Periods	
			Theory	Practical
I	Computer Systems and Organisation	10	10	10
II	Computational Thinking and Programming - 1	45	80	60
III	Society, Law and Ethics	15	20	----
	Total	70	110	70

3. Unit wise Syllabus

Unit I: Computer Systems and Organisation

- Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB)
- Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software
- Operating system (OS): functions of operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits
- Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems.
- Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32)

Unit II: Computational Thinking and Programming – 1

- Introduction to problem solving: Steps for problem solving (analysing the problem, developing an algorithm, coding, testing and debugging). representation of algorithms using flow chart and pseudo code, decomposition
- Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- Knowledge of data types: number (integer, floating point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types
- Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in)
- Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output
- Errors: syntax errors, logical errors, runtime errors
- Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number
- Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc
- Strings: introduction, indexing, string operations (concatenation, repetition, membership & slicing), traversing a string using loops, built-in functions: len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(), rstrip(), strip(), replace(), join(), partition(), split()
- Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list
- Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple
- Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them
- Introduction to Python modules: Importing module using 'import <module>' and using from statement, Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode)

Unit III: Society, Law and Ethics

- Digital Footprints
- Digital society and Netizen: net etiquettes, communication etiquettes, social media etiquettes
- Data protection: Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source softwares and licensing (Creative Commons, GPL and Apache)
- Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime
- Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying.
- Safely accessing web sites: malware, viruses, trojans, adware
- E-waste management: proper disposal of used electronic gadgets
- Indian Information Technology Act (IT Act)
- Technology & Society: Gender and disability issues while teaching and using computers

4. Practical

S.No.	Unit Name	Marks (Total=30)
1.	Lab Test (12 marks)	
	Python program (60% logic + 20% documentation + 20% code quality)	12
2.	Report File + Viva (10 marks)	
	Report file: Minimum 20 Python programs	7
	Viva voce	3
3.	Project (that uses most of the concepts that have been learnt) (See CS-XII for the rules regarding the projects)	8

5. Suggested Practical List

Python Programming

- Input a welcome message and display it.
- Input two numbers and display the larger / smaller number.
- Input three numbers and display the largest / smallest number.
- Generate the following patterns using nested loop.

Pattern-1	Pattern-2	Pattern-3
*	1 2 3 4 5	A
**	1 2 3 4	AB
***	1 2 3	ABC
****	1 2	ABCD
*****	1	ABCDE

- Write a program to input the value of x and n and print the sum of the following series:
 - $1+x+x^2+x^3+x^4+\dots+x^n$
 - $1-x+x^2-x^3+x^4+\dots+x^n$
 - $x - \frac{x^2}{2} + \frac{x^3}{3} - \frac{x^4}{4} + \dots + \frac{x^n}{n}$
 - $x + \frac{x^2}{2!} - \frac{x^3}{3!} + \frac{x^4}{4!} + \dots + \frac{x^n}{n!}$
- Determine whether a number is a perfect number, an armstrong number or a palindrome.
- Input a number and check if the number is a prime or composite number.
- Display the terms of a Fibonacci series.
- Compute the greatest common divisor and least common multiple of two integers.
- Count and display the number of vowels, consonants, uppercase, lowercase characters in string.
- Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
- Find the largest/smallest number in a list/tuple
- Input a list of numbers and swap elements at the even location with the elements at the odd location.
- Input a list/tuple of elements, search for a given element in the list/tuple.
- Input a list of numbers and find the smallest and largest number from the list.
- Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have scored marks above 75.

6. Suggested Reading Material

- NCERT Textbook for COMPUTER SCIENCE (Class XI)
- Support Materials on the CBSE website.

Computer Science
CLASS-XII
Code No. 083
2022-23

1. Prerequisites

Computer Science- Class XI

2. Learning Outcomes

Student should be able to

- a) apply the concept of function.
- b) explain and use the concept of file handling.
- c) use basic data structure: Stacks
- d) explain basics of computer networks.
- e) use Database concepts, SQL along with connectivity between Python and SQL.

3. Distribution of Marks:

Unit No.	Unit Name	Marks	Periods	
			Theory	Practical
I	Computational Thinking and Programming - 2	40	70	50
II	Computer Networks	10	15	---
III	Database Management	20	25	20
	Total	70	110	70

4. Unit wise Syllabus

Unit I: Computational Thinking and Programming – 2

- Revision of Python topics covered in Class XI.
- Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file

- Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file
- CSV file: import csv module, open / close csv file, write into a csv file using csv.writer() and read from a csv file using csv.reader()
- Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.

Unit II: Computer Networks

- Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET)
- Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching)
- Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves)
- Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card)
- Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)
- Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP
- Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting

Unit III: Database Management

- Database concepts: introduction to database concepts and its need
- Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key)
- Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join

- Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using fetchone(), fetchall(), rowcount, creating database connectivity applications

5. Practical

S.No	Unit Name	Marks (Total=30)
1	Lab Test:	8
	1. Python program (60% logic + 20% documentation + 20% code quality)	
	2. A stub program with Python SQL connectivity must be provided with blanks (4 blanks) to be filled by the student with the desired SQL query.	4
2	Report file: <ul style="list-style-type: none"> • Minimum 15 Python programs. • SQL Queries – Minimum 5 sets using one table / two tables. • Minimum 4 programs based on Python - SQL connectivity 	7
3	Project (using concepts learnt in Classes 11 and 12)	8
4	Viva voce	3

6. Suggested Practical List:

Python Programming

- Read a text file line by line and display each word separated by a #.
- Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file.
- Remove all the lines that contain the character 'a' in a file and write it to another file.
- Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
- Create a binary file with roll number, name and marks. Input a roll number and update the marks.
- Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
- Write a Python program to implement a stack using list.
- Create a CSV file by entering user-id and password, read and search the password for given user-id.

Database Management

- Create a student table and insert data. Implement the following SQL commands on the student table:
 - ALTER table to add new attributes / modify data type / drop attribute
 - UPDATE table to modify data
 - ORDER By to display data in ascending / descending order
 - DELETE to remove tuple(s)
 - GROUP BY and find the min, max, sum, count and average
- Similar exercise may be framed for other cases.
- Integrate SQL with Python by importing suitable module.

7. Suggested Reading Material

- NCERT Textbook for COMPUTER SCIENCE (Class XII)
- Support Materials on the CBSE website.

8. Project

The aim of the class project is to create something that is tangible and useful using Python file handling/ Python-SQL connectivity. This should be done in groups of two to three students and should be started by students at least 6 months before the submission deadline. The aim here is to find a real world problem that is worthwhile to solve.

Students are encouraged to visit local businesses and ask them about the problems that they are facing. For example, if a business is finding it hard to create invoices for filing GST claims, then students can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. Students can be extremely creative here. They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, of course to do some of these projects, some additional learning is required; this should be encouraged. Students should know how to teach themselves.

The students should be sensitised to avoid plagiarism and violations of copyright issues while working on projects. Teachers should take necessary measures for this.

HISTORY
CLASS XI-XII (2022-23)
(Code No. 027)

Rationale

Through a focus on a series of critical historical issues and debates (class XI) or on a range of important historical sources (class XII), the students would be introduced to a set of important historical events and processes. A discussion of these themes, it is hoped, would allow students not only to know about these events and processes, but also to discover the excitement of reading history. However, practical way of assessing whether the learning objectives have been actualized or not, can be ensured by the way of having stated outcomes. These outcomes have been enumerated against the learning objectives so that the concerned teachers and their students can adopt different kinds of constructive strategies and competency-based assessment techniques. It is also to be understood that the learning objectives and their outcomes are organically linked and complementary to each other.

Objectives:

- Effort in these senior secondary classes would be to emphasize to students that history is a critical discipline, a process of enquiry, a way of knowing about the past, rather than just a collection of facts. The syllabus would help them to understand the process through which historians write history, by choosing and assembling different types of evidence, and by reading their sources critically. They will appreciate how historians follow the trails that lead to the past, and how historical knowledge develops.
- The syllabus would also enable students store/relate/compare developments in different situations, analyze connections between similar processes located in different time periods, and discover the relationship between different methods of enquiry within history and the allied disciplines.
- The syllabus in class XI is organized around some major themes in the world history. The themes have been selected so as to (i) focus on some important developments in different spheres-political, social, cultural and economic, (ii) study not only the grand narratives of development-urbanization, industrialization and modernization-but also to know about the processes of displacements and marginalization. Through the study of these themes' students will acquire a sense of the wider historical processes as well as an idea of the specific debates around them.

- The treatment of each theme in class XI would include
 - an overview of the theme under discussion
 - a more detailed focus on one region of study
 - an introduction to a critical debate associated with the issue.
- In class XII the focus will shift to a detailed study of some themes in ancient, medieval and modern Indian history although the attempt is to soften the distinction between what is conventionally termed as ancient, medieval and modern. The object would be to study a set of these themes in some detail and depth rather than survey the entire chronological span of Indian history. In this sense the course will be built on the knowledge that the students have acquired in the earlier classes.
- Each theme in class XII will also introduce the students to one type of source for the study of history. Through such a study, students would begin to see what different types of sources can reveal and what they cannot tell. They would come to know how historians analyze these sources, the problems and difficulties of interpreting each type of source, and the way a larger picture of an event, a historical process, or a historical figure, is built by looking at different types of sources.
- Each theme for class XII will be organized around four sub heads:
 - a detailed overview of the events, issues and processes under discussion
 - a summary of the present state of research on the theme
 - an account of how knowledge about the theme has been acquired
 - an excerpt from a primary source related to the theme, explaining how it has been used by historians.
- While the themes in both the classes (XI and XII) are arranged in a broad chronological sequence, there are overlaps between them. This is intended to convey a sense that chronological divides and periodization do not always operate in a neat fashion.
- In the text books each theme would be located in a specific time and place. But these discussions would be situated within a wider context by
 - plotting the specific event within time-lines
 - discussing the particular event or process in relation to developments in other places and other times.

**COURSE STRUCTURE
CLASS XI (2022-23)**

One-Theory Paper

**80Marks
3 Hours**

S.NO	THEMES	No. of Periods	Marks
1.	Introduction to World History	10	
Section A: Early Societies			
2.	Introduction	5	
3.	Writing and City Life	20	10
Section B: Empires			
4.	Introduction	5	
5.	An empire across three continents	20	10
6.	Nomadic Empires	20	10
Section C: Changing Traditions			
	Introduction	5	
7.	The Three Orders	20	10
8.	Changing Cultural Traditions	20	10
Section D: Paths to Modernization			
9.	Introduction	5	
10.	Displacing Indigenous People	20	10
11.	Paths To Modernization	20	15
12.	MAP WORK OF THE RELATED THEMES	15	5
Total			80
Project work		25	20
Total		210	100 Marks

CLASS-XI: THEMES IN WORLD HISTORY

THEMES	LEARNING OBJECTIVES	LEARNING OUTCOMES
<p>Writing and City Life Focus: Iraq, 3rd millennium BCE</p> <ul style="list-style-type: none"> a) Growth of towns b) Nature of early urban societies c) Historians' Debate on uses of writing 	<ul style="list-style-type: none"> ● Familiarize the learner with the nature of early urban Centre's. ● Discuss whether writing is significant as a marker of civilization. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Compare and analyze the transformation from Neolithic to Bronze Age Civilization in order to understand the myriad spheres of human development. ● Elucidate the interwoven social and cultural aspects of civilization in order to understand the connection between city life and culture of contemporary civilizations. ● Analyze the outcomes of a sustained tradition of writing.
<p>An Empire across Three Continents Focus: Roman Empire, 27 BCE to 600 CE</p> <ul style="list-style-type: none"> a) Political evolution b) Economic Expansion c) Religion-culture foundation d) Late Antiquity e) Historians' view on the Institution of Slavery 	<ul style="list-style-type: none"> ● Familiarize the learner with the history of a major world empire ● Discuss whether slavery was a significant element in the economy. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Explain and relate the dynamics of the Roman Empire in order to understand their polity, economy, society and culture. ● Analyze the implications of Roman's contacts with the subcontinent Empires ● Examine the domains of cultural transformation in that period
<p>NOMADIC EMPIRES Focus: The Mongol, 13th to 14th century</p> <ul style="list-style-type: none"> a) The nature of nomadism b) Formation of empires c) Conquests and relations with other states d) Historians' views on nomadic societies and state formation 	<ul style="list-style-type: none"> ● Familiarize the learner with the varieties of nomadic society and their institutions. ● Discuss whether state formation is possible in nomadic societies. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Identify the living patterns of nomadic pastoralist society. ● Trace the rise and growth of Genghis Khan in order to understand him as an oceanic ruler. ● Analyze socio-political and economic changes during the period of the descendants of Genghis Khan.

		<ul style="list-style-type: none"> ● Distinguish between the Mongolian people's perspective and the world's opinion about Genghis Khan.
<p>The Three Orders. Focus: Western Europe 13th-16th century</p> <ul style="list-style-type: none"> a) Feudal society and economy b) Formation of state c) Church and society d) Historians' views on decline of feudalism 	<ul style="list-style-type: none"> ● Familiarize the learner with the nature of the economy and society of this period and the changes within them. ● Show how the debate on the decline of feudalism helps in understanding processes of transition. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Explain the myriad aspects of feudalism with special reference to first, second, third and fourth order of the society. ● Relate between ancient slavery and serfdom ● Assess the 14th century crisis and rise of the nation states.
<p>Changing Cultural Traditions Focus: Europe 14th-17th century</p> <ul style="list-style-type: none"> a) New ideas and new trends in literature and arts b) Relationship with earlier ideas c) The contribution of West Asia d) Historians' viewpoint on the validity of the notion 'European Renaissance' 	<ul style="list-style-type: none"> ● Explore the intellectual trends in the period. ● Familiarize students with the paintings and buildings of the period. ● Introduce the debate around the idea of 'Renaissance'. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Analyze the causes, events, and effects of the Renaissance, Reformation, Scientific Revolution, and Age of Exploration. ● Relate the different facets of Italian cities to understand the characteristics of Renaissance Humanism and Realism. ● Compare and contrast the condition of women in the Renaissance period. ● Recognize major influences on the architectural, artistic, and literary developments in order to understand the facades of Renaissance. ● Critical analysis of the Roman Catholic Church by Martin Luther and Erasmus and their impact on later reforms. ● Evaluate the Roman Catholic Church's response to the Protestant Reformation in the forms of the Counter and Catholic Reformations

<p>Displacing Indigenous People Focus: North America and Australia, 18th to 20th century</p> <ul style="list-style-type: none"> a) European colonists in North America and Australia b) Formation of White Settler societies c) Displacement and repression of local people d) Historians' viewpoint on the impact of European settlement on indigenous population 	<ul style="list-style-type: none"> ● Sensitize students to the processes of displacements that accompanied the development of America and Australia. ● Understand the implications of such processes for the displaced populations. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Recount some aspects of the history of the native people of America to understand their condition. ● To analyze the realms of settlement of Europeans in Australia and America. ● Compare and contrast the lives and roles of indigenous people in these continents
<p>Paths to Modernization Focus: East Asia, late 19th to 20th century</p> <ul style="list-style-type: none"> a) Militarization and economic growth in Japan b) China and the communist alternative c) Historians' Debate on the meaning of modernization <p>(NOTE- Keeping in view the importance of the themes i.e. Japan, China and Korea; it is advised that all must be taught in the schools)</p>	<ul style="list-style-type: none"> ● Make students aware that transformation in the modern world takes many different forms. ● Show how notions like 'modernization' need to be critically assessed. 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Deduce the histories of China and Japan from the phase of imperialism to modernization ● Explore the Japanese political, cultural and economic system prior to and after the Meiji Restoration. ● Analyze the domains of Japanese nationalism prior and after the Second World War. ● Summarize the nationalist upsurge in China from Dr Sun Yet Sen to Mao Ze Dong to understand the era of communism. ● To analyze the Chinese path to modernization under Deng Xio Ping and Zhou en Lai in order to understand the transformation from rigid communism to liberal socialism.
<p>Map Work on The Related Themes</p>		

COURSE STRUCTURE**CLASS XII (2022-23)****One Theory Paper****Max. Marks-80****Time:3 Hours**

THEMES	Periods	Marks
Themes in Indian History Part-I		25
Theme 1 Bricks, Beads and Bones	15	
Theme 2 Kings, Farmers and Towns	15	
Theme 3 Kinship, Caste and Class	15	
Theme 4 Thinkers, Beliefs and Buildings	15	
Themes In Indian History Part-II		25
Theme 5 Through the Eyes of Travellers	15	
Theme 6 Bhakti –Sufi Traditions	15	
Theme 7 An Imperial Capital: Vijayanagar	15	
Theme 8 – Peasants, Zamindars and the State	15	
Themes In Indian History Part-III		25
Theme 10 Colonialism and The Countryside	15	
Theme 11 Rebels and the Raj	15	
Theme 13 Mahatma Gandhi and the Nationalist Movement	15	
Theme 15 Framing the Constitution	15	
Including Map Work of The Related Themes	15	5
Total		80
Project work	25	20
Total	220	100

COURSE CONTENT

Class XII: Themes in Indian History

Themes	NOTE- This is not an exhaustive list. For reflective teaching- learning process, explicit Learning Objectives and Outcomes can be added by teachers during the course-delivery for student's real learning.	
	Learning Objective	Learning Outcomes
<p style="text-align: center;">Part-I</p> <p>BRICKS, BEADS AND BONES</p> <p>The Harappan Civilization:</p> <p>Broad overview: Early urban centers</p> <p>Story of discovery: Harappan civilization</p> <p>Excerpt: Archaeological report on a major site</p> <p>Discussion: How it has been utilized by archaeologists/ historians</p>	<ul style="list-style-type: none"> ● Familiarize the learner with early urban centers as economic and social institution. ● Introduce the ways in which new data can lead to a revision of existing notions of history. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● State and deduce the multi-lateral aspects of Harappan civilization in order to understand the first civilization of the world. ● Develop an ability to use and analyze socio- economic, political aspects of Harappa <ul style="list-style-type: none"> ● Investigate and interpret historical and contemporary sources and viewpoints of ASI and historians on Harappa.
<p>KINGS, FARMERS AND TOWNS: Early States and Economies (c. 600 BCE-600 CE)</p> <p>Broad overview: Political and economic History from the Mauryan to the Gupta period</p> <p>Story of discovery: Inscriptions and the Decipherment of the script. Shifts in the Understanding of political and economic history.</p> <p>Excerpt: Ashokan inscription and Gupta period land grant</p> <p>Discussion: Interpretation of inscriptions by historians.</p>	<ul style="list-style-type: none"> ● Familiarize the learner with major trends in the political and economic history of the subcontinent. ● Introduce inscrip-tional analysis and the ways in which these have shaped the understanding of political and economic processes. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Explain major trends in the 6th century BCE in order to understand the political and economic history of the subcontinent. ● Analyze inscrip-tional evidences and the ways in which these have shaped the understanding of political and economic processes.
<p>KINSHIP, CASTE AND CLASS</p> <p>Early Society Societies (C. 600 BCE-600 CE)</p> <p>Broad overview:</p> <p>Social Histories: Using the</p>	<ul style="list-style-type: none"> ● Familiarize the learners with issues in social history. ● Introduce the 	<p>At the completion of this unit students will be able to</p> <ul style="list-style-type: none"> ● Analyze social norms in order to understand the perspectives of society given in the scriptures of

<p>Mahabharata Issues in social history, including caste, class, kinship and gender Story of discovery: Transmission and publications of the Mahabharata Excerpt: from the Mahabharata, illustrating how it has been used by historians. Discussion: Other sources for reconstructing social history.</p>	<p>strategies of textual analysis and their use in reconstructing social history.</p>	<p>ancient India.</p> <ul style="list-style-type: none"> ● Examine the varied dimensions explored by historians in order to understand dynamic approach of Mahabharata.
<p>THINKERS, BELIEFS AND BUILDINGS Cultural Developments (c. 600 BCE - 600 CE) Broad overview: A History of Buddhism: Sanchi Stupa A brief review of religious histories of Vedic religion, Jainism, Vaishnavism, Shaivism (Puranic Hinduism) b) Focus on Buddhism. Story of discovery: Sanchi stupa. Excerpt: Reproduction of sculptures from Sanchi. Discussion: Ways in which sculpture has been interpreted by historians, other sources for reconstructing the history of Buddhism.</p>	<ul style="list-style-type: none"> ● Discuss the major religious developments in early India. ● Introduce strategies of visual analysis and their use in reconstructing the theories of religion. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Compare the distinct religious facets in order to understand the religious developments in ancient India ● Elucidate the rich religious sculpture and infer the stories hidden in it.
<p>Part-II THROUGH THE EYES OF TRAVELLERS Perceptions of Society (c. tenth to seventeenth century)</p>	<ul style="list-style-type: none"> ● Familiarize the learner with the salient features of social histories described by the travellers. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Identify the accounts of foreign travellers in order to

<p>Broad Overview: outlines of social and cultural life as they appear in traveller's account.</p> <p>Story of their writings: A discussion of where they travelled, what they wrote and for whom they wrote.</p> <p>Excerpts: from Al Biruni, Ibn Battuta, Francois Bernier.</p> <p>Discussion: What these travel accounts can tell us and how they have been interpreted by historians.</p>	<ul style="list-style-type: none"> • Discuss how traveller's accounts can be used as sources of social history. 	<p>understand the social political and economic life during the tenure of different rulers in the medieval period</p> <ul style="list-style-type: none"> • Compare and contrast the perspectives of Al Biruni, Ibn Battuta and Bernier towards Indian society.
<p>BHAKTI –SUFİ TRADITIONS: Changes in Religious Beliefs and Devotional Texts (c. eighth to eighteenth centuries)</p> <p>Broad overview:</p> <ol style="list-style-type: none"> Outline of religious developments during this period saints. Ideas and practices of the Bhakti-Sufi <p>Story of Transmission: How Bhakti-Sufi compositions have been preserved.</p> <p>Excerpt: Extracts from selected Bhakti-Sufi works.</p> <p>Discussion: Ways in which these have been interpreted by historians.</p>	<ul style="list-style-type: none"> • Familiarize the learner with the religious developments. • Discuss ways of analyzing devotional literature as sources of history. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> • Summarize the philosophies of different Bhakti and Sufi saints to understand the religious developments during medieval period. • Comprehend the religious movement in order to establish unity, peace, harmony and brotherhood in society.
<p>AN IMPERIAL CAPITAL: VIJAYANAGARA (c. fourteenth to sixteenth centuries)</p> <p>Broad Over View: New Architecture: Hampi</p> <ol style="list-style-type: none"> Outline of new buildings 	<ul style="list-style-type: none"> • Familiarize the learner with the new buildings that were built during the time. Discuss the ways in 	<p>At the completion of this unit students will be able to:</p>

<p>during Vijayanagar period-temples, forts, irrigation facilities.</p> <p>b. Relationship between architecture and the political system</p> <p>Story of Discovery: Account of how Hampi was found.</p> <p>Excerpt: Visuals of buildings at Hampi</p> <p>Discussion: Ways in which historians have analyzed and interpreted these structures.</p>	<p>which architecture can be analyzed to reconstruct history.</p>	<ul style="list-style-type: none"> ● Classify the distinctive architectural contributions of the Vijayanagar empire to comprehend the richness of mingled cultures of deccan India ● Analyze accounts of foreign traveller's on Vijayanagar in order to interpret political, social and cultural life of the city.
<p>PEASANTS, ZAMINDARS AND THE STATE: Agrarian Society and the Mughal Empire (c. sixteenth-seventeenth centuries)</p> <p>Broad overview: The Ain-i-Akbari</p> <p>a. Structure of agrarian relations in the 16th and 17th centuries.</p> <p>b. Patterns of change over the period.</p> <p>Story of Discovery: Account of the compilation and translation of Ain I Akbari</p> <p>Excerpt: from the Ain-i-Akbari.</p> <p>Discussion: Ways in which historians have used texts to reconstruct history.</p>	<ul style="list-style-type: none"> ● Discuss the developments in agrarian relations. ● Discuss how to supplement official documents with other sources. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Comprehend the facets of agrarian developments in order to understand the relationship between the state and the agriculture during Mughal period. <p>Compare and contrast the agrarian changes occurred during sixteenth and seventeenth centuries.</p>

<p style="text-align: center;">Part-III</p> <p>COLONIALISM AND THE COUNTRYSIDE: Exploring Official Archives</p> <p>Broad overview:</p> <p>Colonialism and Rural Society: Evidence from Official Reports</p> <p>a) Life of zamindars, peasants and artisans in the late 18th century</p> <p>b). Permanent Settlement, Santhals and Paharias</p> <p>Story of official records: An account of why official investigations in rural societies were undertaken and the types of records and reports produced.</p> <p>Excerpts: From Fifth Report</p> <p>Discussion: What the official records tell and do not tell, and how they have been used by historians.</p>	<ul style="list-style-type: none"> ● Discuss how colonialism affected zamindars, peasants and artisans. ● Comprehend the problems and limits of using official sources for understanding the lives of the people 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Compare and contrast the revenue systems introduced by the British in order to understand the economic aspects of colonization in India. ● Analyze the colonial official records & reports in order to understand the divergent interest of British and Indians.
<p>REBELS AND THE RAJ: 1857 Revolt and its Representations- Broad overview:</p> <p>a. The events of 1857-58.</p> <p>b. Vision of Unity</p> <p>c. How these events were recorded and narrated.</p> <p>Focus: Lucknow</p> <p>Excerpts: Pictures of 1857. Extracts from contemporary accounts.</p> <p>Discussion: How the pictures of 1857 shaped British opinion of what had happened.</p>	<ul style="list-style-type: none"> ● Discuss how the events of 1857 are being interpreted. ● Discuss how visual material can be used by historians. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ▸ Correlate the planning and coordination of the rebels of 1857 to infer its domains and nature. ● Examine the momentum of the revolt to understand its spread. ▸ Analyze how revolt created vision of unity amongst Indians. ● Identify and interpret visual images to understand the emotions portrayed by the nationalist and British

<p>MAHATMA GANDHI AND THE NATIONALIST MOVEMENT: Civil Disobedience and Beyond</p> <p>Broad overview:</p> <ol style="list-style-type: none"> a. The Nationalist Movement 1918 -48. b. The nature of Gandhian politics and leadership. <p>Focus: Mahatma Gandhi and the three movements and his last days as “finest hours”</p> <p>Excerpts: Reports from English and Indian language newspapers and other contemporary writings.</p> <p>Discussion: How newspapers can be a source of history.</p>	<ul style="list-style-type: none"> ● Familiarize the learner with significant elements of the Nationalist movement and the nature of Gandhian leadership. ● Discuss how Gandhi was perceived by different groups. Discuss how historians need to read and interpret newspapers diaries and letters as a historical so 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Correlate the significant elements of the nationalist movement and the nature of ideas, individuals, and institutions under the Gandhian leadership. ● Analyze the significant contributions of Gandhiji to understand his mass appeal for nationalism. Analyze the perceptions and contributions of different communities towards the Gandhian movement. ● Analyze the ways of interpreting historical source such as newspapers, biographies and auto-biographies diaries and letters.
<p>FRAMING THE CONSTITUTION: The Beginning of a New Era</p> <p>Broad overview: The Making of the Constitution an overview:</p> <ol style="list-style-type: none"> a. Independence and then new nation state. b. The making of the Constitution <p>Focus: The Constituent Assembly Debates</p> <p>Excerpts: from the debates</p> <p>Discussion: What such debates reveal and how they can be analyzed.</p>	<ul style="list-style-type: none"> ● Discuss how the founding ideals of the new nation state were debated and formulated. ● Understand how such debates and discussions can be read by historians. 	<p>At the completion of this unit students will be able to:</p> <ul style="list-style-type: none"> ● Highlight the role of Constituent Assembly to understand functionalities in framing the constitution of India. ● Analyze how debates and discussions around important issues in the Constituent Assembly shaped our Constitution.

LIST OF MAPS

Book 1		
1	Page 2	<p>Mature Harappan sites:</p> <ul style="list-style-type: none"> ● Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.
2	Page 30	<p>Mahajanapada and cities:</p> <ul style="list-style-type: none"> ● Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.
3	Page 33	<p>Distribution of Ashokan inscriptions:</p> <ul style="list-style-type: none"> ● Kushanas, Shakas, Satavahanas, Vakatakas, Guptas ● Cities/towns: Mathura, Kannauj, Puhar, Braghukachchha ● Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi. ● Kingdom of Cholas, Cheras and Pandyas.
4	Page 43	<p>Important kingdoms and towns:</p> <ul style="list-style-type: none"> ● Kushanas, Shakas, Satavahanas, Vakatakas, Guptas ● Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha
5	Page 95	<p>Major Buddhist Sites:</p> <ul style="list-style-type: none"> ● Nagarjunakonda, Sanchi, Amaravati, Lumbini, Nasik, Bharhut, Bodh Gaya, Ajanta.
Book 2		
6	Page 174	<p>Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli</p>
7	Page 214	<p>Territories under Babur, Akbar and Aurangzeb:</p> <ul style="list-style-type: none"> ● Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa.
Book 3		
8	Page 297	<p>Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras, Fort St. David, Masulipatam, Berar, Bengal, Bihar, Orissa, Avadh, Surat, Calcutta, Patna, Benaras, Allahabad and Lucknow.</p>
9	Page 305	<p>Main centres of the Revolt of 1857: Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Awadh.</p>
10		<p>Important centres of the National Movement: Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi.</p>

HISTORY -027
Class XI & XII (2022-23)
Project work

PROJECT WORK

MM-20

INTRODUCTION

History is one of the most important disciplines in school education. It is the study of the past, which helps us to understand our present and shape our future. It promotes the acquisition and understanding of historical knowledge in breadth and in depth across cultures.

The course of history in senior secondary classes is to enable students to know that history is a critical discipline, a process of enquiry, a way of knowing about the past rather than just a collection of facts. The syllabus helps them to understand the process, through which a historian collects, chooses, scrutinizes and assembles different types of evidence to write history.

The syllabus in class-XI is organized around some major themes in world history. In class XII the focus shifts to a detailed study of some themes in ancient, medieval, and modern Indian history.

CBSE has decided to introduce project work in history for classes XI and XII in 2013-14 as a part of regular studies in classroom, as project work gives students an opportunity to develop higher cognitive skills. It takes students to a life beyond text books and provides them a platform to refer materials, gather information, analyze it further to obtain relevant information and decide what matter to keep and hence understand how history is constructed.

OBJECTIVES

Project work will help students:

- To develop skill to gather data from a variety of sources, investigate diverse viewpoints and arrive at logical deductions.
- To develop skill to comprehend, analyze, interpret, evaluate historical evidence, and understand the limitation of historical evidence.
- To develop 21st century managerial skills of co-ordination, self-direction, and time management.
- To learn to work on diverse cultures, races, religions, and lifestyles.
- To learn through constructivism-a theory based on observation and scientific study.
- To inculcate a spirit of inquiry and research.
- To communicate data in the most appropriate form using a variety of techniques.
- To provide greater opportunity for interaction and exploration.
- To understand contemporary issues in context to our past.
- To develop a global perspective and an international outlook.
- To grow into caring, sensitive individuals capable of making informed, intelligent, and independent choices.
- To develop lasting interest in history discipline.

GUIDELINES TO TEACHERS

This section provides some basic guidelines for the teachers to take up projects in History. It is very necessary to interact, support, guide, facilitate and encourage students while assigning projects to them.

- The teachers must ensure that the project work assigned to the students individually/ In-groups and discussed at different stages right from assigning topic, draft review to finalization.
- Students should be facilitated in terms of providing relevant materials, suggesting websites, obtaining of required permission for archives, historical sites, etc.
- The Project Work should be suitably spaced from April to November in classes XI and XII so that students can prepare for Final Examination.
- The teachers must ensure that the students submit original work.
- Project report should be **Handwritten** only. (Eco-friendly materials can be used by students)

The following steps are suggested:

- 1) Teacher should design and prepare a list of 15-20 projects and should give an option to a student to choose a project as per his/her interest.
- 2) The project must be done individually / In-groups.
- 3) The topic should be assigned after discussion with the students in the class to avoid repetition and should then be discussed at every stage of submission of the draft/final project work.
- 4) The teacher should play the role of a facilitator and should closely supervise the process of project completion, and should guide the children by providing necessary inputs, resources etc. to enrich the subject content.
- 5) The Project Work needs to enhance cognitive, affective, and psychomotor domains in the learners. It will include self-assessment and peer assessment, and progress of the child in project-based and inquiry-based learning. Art integrated **Activities** , experiments, models, quizzes, role plays, group work, portfolios, etc., along with teacher assessment. (NEP-2020) The Project work can culminate in the form of Power Point Presentation/Exhibition/Skit/albums/files/song and dance or culture show /story telling/debate/panel discussion, paper presentation and whichever is suitable to visually impaired candidates.
- 6) Students can use primary sources available in city archives, Primary sources can also include newspaper cuttings, photographs, film footage and recorded written/speeches. Secondary sources may also be used after proper authentication.
- 7) Evaluation will be done by external examiner appointed by the Board in class XII and internal in class XI.

Note: The project reports are to be preserved by the school till the final results are declared, for scrutiny by CBSE.

FEW SUGGESTIVE TOPICS FOR CLASS XI PROJECTS

- 1) Facets of the Industrialization in sixteenth- eighteenth centuries.
- 2) Crusades: causes; rationale; events; outcomes; Holy Alliance
- 3) Ancient History in depth: Mesopotamia
- 4) Greek Philosophy and City States
- 5) Contributions of Roman Civilization

- 6) The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism
- 7) Aspects of Development -South American States /Central American States
- 8) Different schools of thoughts- Realism: Humanism: Romanticism
- 9) Piecing together the past of Genghis Khan
- 10) Myriad Realms of Slavery in ancient, medieval, and modern world
- 11) History of Aborigines – America /Australia
- 12) Facets of Modernization – China /Japan/Korea

(Projects are an imperative component in enhancing students learning with the related themes. In the research project, students can go beyond the textbook and explore the world of knowledge. They can conceptualize under the embedded themes. Forms of rubrics are a significant aspect and to be discussed in the classroom itself for clear understanding of concept and for assessment.)

Note: Please refer Circular No. Acad.16/2013 dated 17.04.2013 for complete guidelines.

FEW SUGGESTIVE TOPICS FOR CLASS XII PROJECTS

1. The Indus Valley Civilization-Archeological Excavations and New Perspectives
2. The History and Legacy of Mauryan Empire
3. "Mahabharat"- The Great Epic of India
4. The History and Culture of the Vedic period
5. Buddha Charita
6. A Comprehensive History of Jainism
7. Bhakti Movement- Multiple interpretations and commentaries.
8. "The Mystical Dimensions of Sufism
9. Global legacy of Gandhian ideas
10. The Architectural Culture of the Vijayanagar Empire
11. Life of women in the Mughal rural society
12. Comparative Analysis of the Land Revenue Systems introduced by the Britishers in India
13. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
14. The Philosophy of Guru Nanak Dev
15. The Vision of Kabir
16. An insight into the Indian Constitution

(Projects are an imperative component in enhancing students learning with the related themes. In the research project, students can go beyond the textbook and explore the world of knowledge. They can conceptualize under the embedded themes. Forms of rubrics are a significant aspect and to be discussed in the classroom itself for clear understanding of concept & for assessment.)

Note: Please refer Circular No. Acad.16/2013 dated 17.04.2013 for complete guidelines

Note: Kindly refer to the guidelines on project work for classes XI and XII

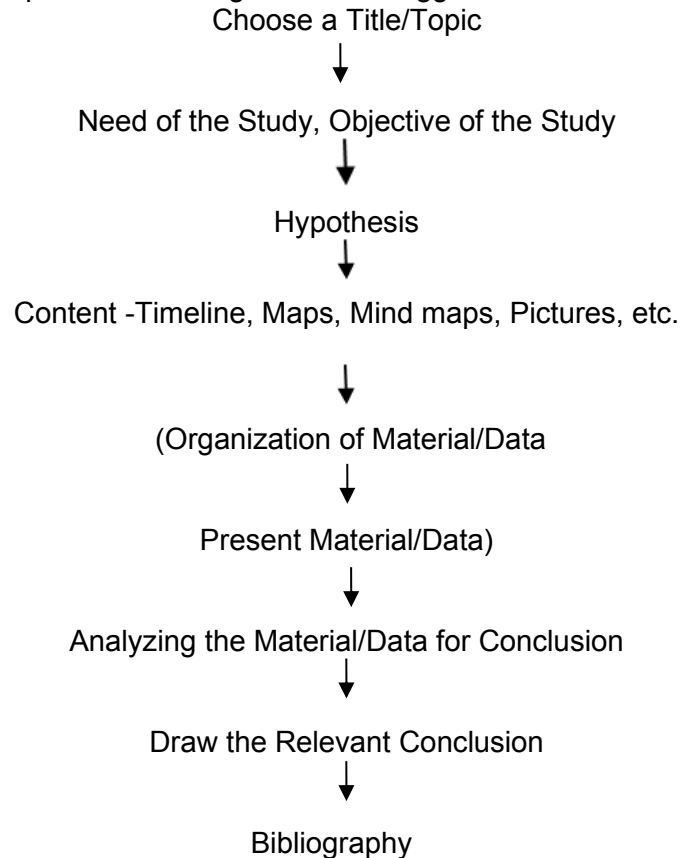
given below: -

Guidelines for History Project Work: 20 Marks

One Project to be done throughout the session, as per the existing scheme.

1. Steps involved in the conduct of the project:

Students may work upon the following lines as a suggested flow chart:



2. Expected Checklist for the Project Work:

- Introduction of topic/title
- Identifying the causes, events, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of strategies suggested during research
- Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

3. Assessment of Project Work:

- Project Work has broadly the following phases: Synopsis/ Initiation, Data Collection, Data Analysis and Interpretation, Conclusion.
- The aspects of the project work to be covered by students can be assessed during the academic year.
- 20 marks assigned for Project Work can be divided in the following manner:

PROJECT WORK: 20 Marks

The teacher will assess the progress of the project work in the following manner:

Month	Periodic Work	Assessment Rubrics	Marks
April -July	Instructions about Project Guidelines, Background reading Discussions on Theme and Selection of the Final Topic, Initiation/ Synopsis	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.	6
August - October	Planning and organization: forming an action plan, feasibility, or baseline study, Updating/modifying the action plan, Data Collection	Significance and relevance of the topic; challenges encountered while conducting the research.	5
November - January	Content/data analysis and interpretation. Conclusion, Limitations, Suggestions, Bibliography, Annexures and overall presentation of the project.	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.	5
January/ February	Final Assessment and VIVA by both Internal and External Examiners	External/ Internal Viva based on the project	4
		TOTAL	20

4. Viva-Voce

- At the end, each learner will present the research work in the Project File to the External and Internal examiner.
- The questions should be asked from the Research Work/ Project File of the learner.
- The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.

In case of any doubt, authenticity should be checked and verified. *****

POLITICAL SCIENCE (Code No. 028)

(2022-23)

Rationale

At the senior secondary level, students who opt for Political Science are given an opportunity to get exposed to the diverse concepts of the discipline helping them to be a global citizen and develop skills to understand, apply and evaluate. At this level, there is a need to enable students to have the skills to engage with political processes that surround them and provide them with an understanding of the historical context that has shaped the present. The different courses expose the students to various streams of the discipline of Political Science: Political Theory, Indian Politics and International Politics. Concerns of the other two streams - Comparative Politics and Public Administration- are accommodated at different places in these courses. In introducing these streams, special care has been taken not to burden the students with the current jargon of the discipline. The basic idea here is to lay the foundations for a serious engagement with the discipline and develop competencies related to Political Science to prepare them for higher education, learning and knowledge.

Competencies and Outcomes:

1. Indian Constitution at Work:

1.1 Competency: Understanding, identifying and analyzing the key features, historical processes and working of the Constitution of India.

1.2 Outcomes: The students will:

- 1.2.1 Understand the historical processes and the circumstances in which the Constitution was drafted.
- 1.2.2 Be familiar with the diverse perspectives that guided the makers of the Indian Constitution.
- 1.2.3 Identify key features of the Constitution and compare these to other constitutions in the world.
- 1.2.4 Analyse the working of the Constitution in real life.

2. Political Theory:

2.1 Competency: Understanding, critically evaluating and applying political theory

2.2 Outcomes: After the course the students will:

- 2.2.1 Understand different themes and thinkers associated with the real life.
- 2.2.2 Develop the skills for logical reasoning
- 2.2.3 Meaningfully participate in the issues and concerns of political life surrounding them.

3. Contemporary World Politics:

3.1 Competency: Understanding, analyzing the Contemporary World Politics

3.2 Outcomes: After the course the students will:

- 3.2.1 Understand the contemporary world.
- 3.2.2 Understand the key political events and processes in the post-cold war era.
- 3.2.3 Analyze various global institutions, processes and events shaping their lives.

4. Politics in India after Independence:

4.1 Competency: Critically evaluate and understand, analyze politics in India after Independence

4.2 Outcomes: After the course the students will:

- 4.2.1 Understand and analyze constitutional institutions, figures and their working in the post-independence period; political events, trends, other facts and figures and contribution of eminent personalities from the post-independence to contemporary India.
- 4.2.2 Develop their capacity to link political policies and processes with contemporary realities.
- 4.2.3 Encourage the students to understand and analyse the challenges for contemporary India.

POLITICAL SCIENCE (028)
Class XI (2022-23)

Total Marks = 100(80+20)

A.Theory

Max Marks: 80
Time: 3 hrs.

Part A: Indian Constitution at Work

Units	Contents	Marks
1	Constitution	12
2	Election and Representation	10
3	The Legislature	
4	The Executive	08
5	The Judiciary	
6	Federalism	10
7	Local Governments	
	Total	40

Part B: Political Theory

Units	Contents	Marks
8	Political Theory: An Introduction	04
9	Liberty	10
10	Equality	
11	Justice	08
12	Rights	
13	Citizenship	10
14	Nationalism	
15	Secularism	08
	Total	40

B. Project Work:

20 Marks
Grand Total = 100 Marks

COURSE CONTENT

Part A: Indian Constitution at Work

- 1. Constitution** **28 Periods**
Constitution: Why and How, The Making of the Constitution, Fundamental Rights and Duties, Directive Principles of State Policy, constitutional Amendments.
- 2. Election and Representation** **12 Periods**
Elections and Democracy, Election System in India, Electoral Reforms.
- 3. Legislature** **16 Periods**
Why do we need a Parliament? Unicameral / Bicameral Legislature. Functions and Power of the Parliament, Parliamentary committees. Parliamentary Officials: Speaker, Deputy Speaker, Parliamentary Secretary.
- 4. Executive** **16 Periods**
What is an Executive? Different Types of Executive. Parliamentary Executive in India, Prime Minister and Council of Ministers. Permanent Executive: Bureaucracy.
- 5. Judiciary** **16 Periods**
Why do we need an Independent Judiciary? Structure of the Judiciary, Judicial Review, Judicial Activism, Judicial Over-reach.
- 6. Federalism** **14 Periods**
What is Federalism? Evolution & Growth of the Indian Federalism: Quasi Federalism, Cooperative Federalism & Competitive Federalism.
- 7. Local Governments** **12 Periods**
Why do we need Local Governments? Growth of Local Government in India, 73rd and 74th Amendments, Working and Challenges of Local Governments.

Part B: Political Theory

- 8. Political Theory: An Introduction** **08 Periods**
What is Politics? Politics V/s Political Theory, Importance of Political Theory.
- 9. Liberty** **12 Periods**
Liberty V.s Freedom, Negative and Positive Liberty.
- 10. Equality** **12 Periods**
What is Equality? Significance of Equality. Various dimensions of Equality. How can we promote Equality?
- 11. Justice** **14 Periods**
What is Justice? Different dimensions of Justice, Distributive Justice.
- 12. Rights** **14 Periods**
What are Rights? Where do Rights come from? Legal Rights and the State. Kinds of Rights. Human Rights.

13. Citizenship**12 Periods**

What is citizenship? Citizen and Citizenship, Citizen and Nation, Global Citizenship

14. Nationalism**16 Periods**

Nations and Nationalism, Variants of Nationalism, Nationalism, Pluralism and Multiculturalism.

15. Secularism**18 Periods**

What is Secularism? What is Secular State? The Western and the Indian perspectives to Secularism. Salient Features of Indian Secularism.

Prescribed Books:

1. Indian Constitution at work, Class XI, Published by NCERT
2. Political Theory, Class XI, Published by NCERT
3. Reference Material available with the document

Note: The above textbooks are also available in Hindi and Urdu versions.

Question Paper Design (2022-23) POLITICAL SCIENCE (CODE NO. 028) CLASS XI	
TIME: 3 Hours	Max. Marks: 80
S.No.	Competencies
1	Demonstrative Knowledge + Understanding (Knowledge based simple recall questions, to know specific facts, terms, concepts, principles or theories, identify, define, or recite, information) (Comprehension – to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase information)
2	Knowledge / Conceptual Application (Use abstract information in concrete situation, to apply knowledge to new situations; use given content to interpret a situation, provide an example or solve a problem)
3	Formulation Analysis, Evaluation and Creativity Analysis & Synthesis- classify, compare, contrast, or differentiate between different pieces of information; organize and/or integrate unique pieces of information from a variety of sources; includes map interpretation

Project Work: 20 Marks

<u>Details of Project Work</u>
<ol style="list-style-type: none"> 1. The Project work will be implemented for 20 Marks. 2. Out of 20 marks, 10 marks are to be allotted to viva voce and 10 marks for project work. 3. For class XII, the evaluation for 20 marks project work should be done jointly by the internal as well as the external examiners. 4. The project can be individual/pair/group of 4-5 each. The Project can be made on 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 classroom.

POLITICAL SCIENCE (Code No. 028)
Class XII (2022-23)

Time: 3 hrs.

Max. Marks: 80

Part A: Contemporary World Politics

Units	Contents	Marks
1	The End of Bipolarity	8
2	New Centres of Power	12
3	Contemporary South Asia	
4	United Nations and its Organizations	10
5	Security in Contemporary World	
6	Environment and Natural Resources	10
7	Globalization	
	Total	40

Part B: Politics in India since Independence

Units	Contents	Marks
1	Challenges of Nation-Building	08
2	Planned Development	
3	India's Foreign Policy	08
4	Parties and Party System in India	12
5	Democratic Resurgence	
6	Regional Aspirations	12
7	Indian Politics: Recent Trends and Development	
	Total	40

COURSE CONTENTS

Part A: Contemporary World Politics		
1.	The End of Bipolarity Disintegration of Soviet Union, Unipolar World, Middle East Crisis – Afghanistan, Gulf War, Democratic Politics and Democratization – CIS and the 21 st Century (Arab Spring).	22 Periods
2	New Centres of Power Organizations: European Union, ASEAN, SAARC, BRICS. Nations: Russia, China, Israel, India, Japan and South Korea.	18 Periods
3	Contemporary South Asia Conflicts and efforts for Peace Democratization in South Asia: Pakistan, Nepal, Bangladesh, Sri Lanka, Maldives.	18 Periods
4	United Nations and its Organizations Principal Organs, Key Agencies: UNESCO, UNICEF, WHO, ILO, Security Council and the Need for its Expansion.	10 Periods
5	Security in Contemporary World Security: Meaning and Type; Terrorism.	12 Periods
6	Environment and Natural Resources Environmental Movements, Global Warming and Climate Change, Conservation of Natural Resources.	12 Periods
7	Globalization Globalization: Meaning, Manifestation and Debates.	12 Periods
Part B: Politics in India since Independence		
1	Challenges of Nation-Building Nation and Nation Building. Sardar Vallabh Bhai Patel and Integration of States. Nehru's approach to nation-building; Legacy of partition: challenge of 'refugee' Resettlement, the Kashmir problem. Political conflicts over language. Linguistic Organisation of States.	16 Periods
2	Planned Development Changing nature of India's Economic Development Planning Commission and Five Year Plans, National Development Council, NITI Aayog.	08 Periods
3	India's Foreign Policy Principles of Foreign Policy; India's Changing Relations with Other Nations: US, Russia, China, Israel; India's Relations with its Neighbours: Pakistan, Bangladesh, Bhutan, Nepal, Sri Lanka and Myanmar; India's Nuclear Programme.	20 Periods
4	Parties and Party System in India One Party Dominance, Bi-Party System, Multi-Party Coalition System.	30 Periods
5	Democratic Resurgence Jaya Prakash Narayan and Total Revolution, Ram Manohar Lohia and Socialism, Pandit Deendayal Upadhyaya and Integral Humanism, National Emergency, Democratic Upsurges – Participation of the Adults, Backwards and Youth.	
6	Regional Aspirations Rise of regional parties. Punjab Crisis. The Kashmir Issue, Movements for Autonomy.	36 Periods
7	Indian Politics: Recent Trends and Development Era of Coalitions, National Front, United Front, United Progressive Alliance (UPA) – I & II, National Democratic Alliance (NDA) I, II, III & IV, Issues of Development and Governance.	

Prescribed Books:

1. Contemporary World Politics, Class XII, Published by NCERT
2. Politics in India since Independence, Class XII, Published by NCERT
3. Reference Material available with this document.

Note:

- The above textbooks are also available in Hindi and Urdu versions.

POLITICAL SCIENCE (CODE NO. 028) CLASS XII	
S. No.	Competencies
1	Demonstrative Knowledge + Understanding (Knowledge based simple recall questions, to know specific facts, terms, concepts, principles or theories, identify, define, or recite, information) (Comprehension – to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase information)
2	Knowledge / Conceptual Application (Use abstract information in concrete situation, to apply knowledge to new situations; use given content to interpret a situation, provide an example, or solve a problem)
3	Formulation Analysis, Evaluation and Creativity Analysis & Synthesis- classify, compare, contrast, or differentiate between different pieces of information; organize and/or integrate unique pieces of information from a variety of sources; includes map interpretation

Project Work: 20 MarksDetails of Project Work

1. The Project work will be implemented for 20 Marks.
2. Out of 20 marks, 10 marks are to be allotted to viva voce and 10 marks for project work.
3. For class XII, the evaluation for 20 marks project work should be done jointly by the internal as well as the external examiners.
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 classroom.

Guidelines for Subject having Project Work: 20 Marks (Political Science)

One Project to be done throughout the session, as per the existing scheme.

1. The objectives of the project work:

Objectives of project work are to enable learners to:

- ☒ probe deeper into personal enquiry, initiate action and reflect on knowledge and skills, views etc. acquired during the course of class XI-XII.
- ☒ analyse and evaluate real world scenarios using theoretical constructs and arguments
- ☒ demonstrate the application of critical and creative thinking skills and abilities to produce an independent and extended piece of work
- ☒ follow up aspects in which learners have interest
- ☒ develop the communication skills to argue logically

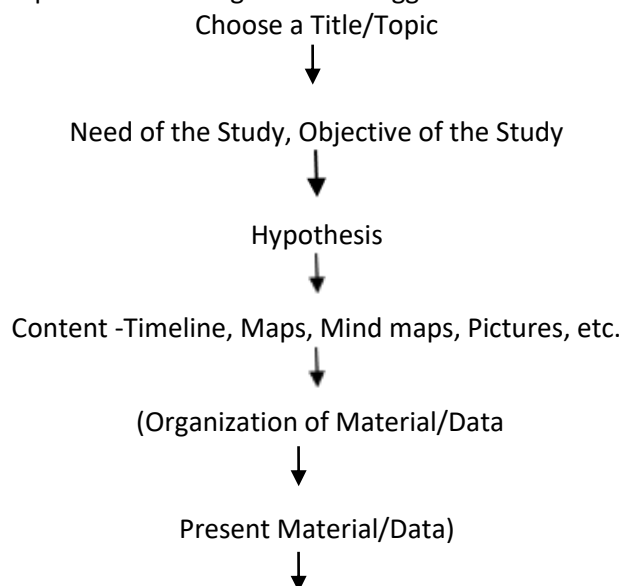
2. Role of the teacher:

The teacher plays a critical role in developing thinking skills of the learners. A teacher should:

- ☒ help each learner select the topic after detailed discussions and deliberations of the topic;
- ☒ play the role of a facilitator to support and monitor the project work of the learner through periodic discussions;
- ☒ guide the research work in terms of sources for the relevant data;
- ☒ ensure that students must understand the relevance and usage of primary evidence and other sources in their projects and duly acknowledge the same;
- ☒ ensure that the students are able to derive a conclusion from the content; cite the limitations faced during the research and give appropriate references used in doing the research work.
- ☒ educate learner about plagiarism and the importance of quoting the source of the information to ensure authenticity of research work.
- ☒ prepare the learner for the presentation of the project work.
- ☒ arrange a presentation of the project file.

3. Steps involved in the conduct of the project:

Students may work upon the following lines as a suggested flow chart:



Analyzing the Material/Data for Conclusion



Draw the Relevant Conclusion



Bibliography

4. Expected Checklist for the Project Work:

- ☐ Introduction of topic/title
- ☐ Identifying the causes, events, consequences and/or remedies
- ☐ Various stakeholders and effect on each of them
- ☐ Advantages and disadvantages of situations or issues identified
- ☐ Short-term and long-term implications of strategies suggested in the course of research
- ☐ Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- ☐ Presentation and writing that is succinct and coherent in project file
- ☐ Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

5. Assessment of Project Work:

- Project Work has broadly the following phases: Synopsis/ Initiation, Data Collection, Data Analysis and Interpretation, Conclusion.
- The aspects of the project work to be covered by students can be assessed during the academic year.
- 20 marks assigned for Project Work can be divided in the following manner:

The teacher will assess the progress of the project work in the following manner:

Month	Periodic Work	Assessment Rubrics	Marks
April -July	Instructions about Project Guidelines, Background reading Discussions on Theme and Selection of the Final Topic, Initiation/ Synopsis	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.	6
August - October	Planning and organization: forming an action plan, feasibility, or baseline study, Updating/modifying the action plan, Data Collection	Significance and relevance of the topic; challenges encountered while conducting the research.	5
November - January	Content/data analysis and interpretation. Conclusion, Limitations, Suggestions, Bibliography, Annexures and overall	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.	5

	presentation of the project.		
January/ February	Final Assessment and VIVA by both Internal and External Examiners	External/ Internal Viva based on the project	4
		TOTAL	20

6. Suggestive Topics:

Students can choose any topic related to the syllabus.

- Assessment will be done by external examiner in coordination with internal examiner and the date of Project Assessment will be fixed by CBSE in the month of February/March 2023.

7. Viva-Voce

☑ At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner.

☑ The questions should be asked from the Research Work/ Project File of the learner.

☑ The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.

☑ In case of any doubt, authenticity should be checked and verified.

POLITICAL SCIENCE

REFERENCE MATERIAL

Class XI

Paper I: Indian Constitution at Work

Unit -1: Constitution

Sub-Unit: Constitutional Amendments

As of 2021, there have been total 105 amendments of the Constitution of India.

Source : <https://legislative.gov.in/amendment-acts-102-to-onwards>

Unit - 2: Election and Representation Sub-Unit:

'Electoral Reforms in Indian Politics'

Electoral Reforms in the 21st Century include use of EVM [Electronic Voting Machine], VVPAT [Voter Verifiable Paper Audit Trail] and NOTA [None of the Above]. Restriction on exit polls, ceiling on election expenditure (Rs.50- 70 Lakhs for the Lok Sabha election and Rs. 20-28 Lakhs for the Assembly election) and the use electoral bonds in election funding are some of the major reforms initiated by the Election Commission of India that have sought to bring about revolutionary changes in the electoral process and the voter behaviour in contemporary India.

Unit- 5: Judiciary

Sub-Unit: 'Judicial Over reach'

When judiciary assumes the roles and functions of the legislature and executive, thus diluting the concept of separation of powers, it becomes judicial overreach. Unrestrained activism on the part of judiciary often leads to its overreach.

We all know that Article 142 and judicial review have been put to many constructive uses but some actions like declaring the NJAC (National Judicial Appointment Commission) unconstitutional as it tried to apply checks on judicial power highlight the need for judicial restraints in the exercise of judicial review.

Unit- 6: Federalism

Sub-Unit: 'Quasi Federalism', 'Cooperative Federalism', 'Competitive Federalism'

Quasi Federalism: In the context of special features and provisions of Indian federalism we use the phrase, 'Quasi Federalism', a concept given by K. C. Wheare. Quasi federalism represents a strong centre with comparatively less stronger units. Wheare describes the Indian case in its formative phase as a 'quasi federation – A unitary state with subsidiary federal features rather than a federal state with subsidiary unitary features'.

Cooperative Federalism: Cooperative federalism is the concept which reflects the relationship between the Union and the States where both come together and resolve the common problems with each other's cooperation in amicable manner thus contributing towards the growth of a strong federation. It shows the horizontal relationship between the Union and the States where none is placed over and above on the other. To ensure this strong relationship between the two, the Indian constitution has evolved and incorporated certain instruments and agencies like the Inter-State Councils, Zonal Councils, the 7th Schedule, etc.

Competitive Federalism: Competitive federalism places all states vis a vis the Union on equal and competing footing where the best performing states can take the maximum benefits of the resources, services and taxes. It ensures a healthy competition among states leading towards better performance and delivery which constitute important part of governance. The post-liberalisation era reflects the trend of competitive federalism where states are more autonomous, accountable and efficient in their functioning.

Class XI

Paper II: Political Theory

Unit-2: Liberty

Sub-Unit: 'Liberty vs Freedom'

We hear a lot around us that people appear to use the word liberty and freedom as synonyms of each other. But there are some fundamental differences between these two concepts that must be understood. Liberty comes from the Latin word "*libertatem*" which means "condition of a freeman". While freedom comes from the English word "*freedom*" which means "state of free will". Liberty is power to act and express oneself according to one's will while freedom is the power to decide one's action. Freedom is more concrete concept than liberty which is more associated with an individual's connection with the state rather than with other individuals and circumstances. State guarantees freedom through the liberty it grants to its citizens.

The difference between these two concepts can briefly be outlined as follows:

Liberty	Freedom
• Condition of a free man	State of free will
• Power to act	Power to decide
• Free to do something	Free from something

The common feature between these two concepts is that both remain unconstrained, which means that their realization is free from any constraint. Further, both follow rightful or ethical conformity in terms of their realization.

Unit-4: Justice

Sub-Unit: 'Different Dimensions of Justice'

Till now we have tried to understand what the term justice means. After considering this, we need to know different dimensions of justice which may help us in establishing a just society. Legal, social, political and economic justice are the key dimensions of justice. Here, we will try to understand these dimensions in some details.

1. **Legal Justice:** It is a narrow concept of justice which is associated with the legal system and legal procedure existing in a society. The court of law interprets the law and applies it after hearing the partners involved in a dispute. Here, justice is what administered by the court of law and the interpretation of the judge is considered to be an embodiment of justice.
2. **Political Justice:** In any democratic society political justice means providing equal political rights. Political justice stands for a free

and fair participation of people in the political sphere. Universal adult franchise is the expression of political justice. Equality of opportunity in getting elected and in holding public offices, freedom of expression and association are important pillars of political justice.

3. **Social Justice:** It means to end all types of social inequalities and to provide proper opportunity to every citizen in every sphere of life, to develop her/his personality to ensure equality of law, prohibition of discrimination, social security, provision of equal political rights, etc. The concept of social justice is based on the belief that all human beings are equal and no discrimination should be made on the ground of race, religion, caste, gender and place of birth.
4. **Economic Justice:** It means to provide equal opportunities to everyone to earn her/his livelihood. It also means to help such people who are not able to work and earn their livelihood. The basic need of every person such as food, cloth, shelter and education should be fulfilled. It stands for by assuring adequate means of livelihood to all, by making provisions for equal pay for equal work, fair distribution of resources, equal economic opportunity to all, etc.

While the concept of political justice is closely linked with the ideal of “liberty”, economic and legal justice with “equality” and social justice with “fraternity”, a just combination of all these four dimensions will help in achieving justice in life.

Unit-5: Rights

Sub-Unit: 'Human Rights'

Human rights are those rights which all human beings are entitled by virtue of being human. It is based on the principle of respect for the individual. The fundamental assumption behind the concept of human rights is that every person is a moral and rational being who deserves to be treated with dignity. Human rights are both universal and fundamental; these are universal in the sense that they belong to all human beings irrespective of race, nationality, community, religion, gender, etc; these are also fundamental because once given, these cannot be taken back.

Although the presence of human rights can be traced to the ancient Indian philosophy and culture, the concept formally originated at the international level in 1948 with the UN Declaration of Human Rights listing 30 rights for all people across the globe.

Unit-7: Nationalism

Sub-Unit: 'Multiculturalism'

Multiculturalism in the general sense is the coexistence of people of different religions, cultural groups and communities in all countries of the globe. Originated in the 1970s with a counter-culturalism and human rights movement in opposition to the homogenization of other cultures in favor of the white culture of America and Europe, multiculturalism broadly comprises the principles of both ‘acceptance’ and ‘reverence’. It expects all countries of the globe to give equal acceptance and reverence to the cultural groups. In the India context, the concept of multiculturalism is identified with the notion of "Salad Bowl", advocated by social scientist, Ashish Nandy. It shows that different cultural groups within a nation maintain their identity with their respective distinct forms.

Class XII

Paper I: Contemporary World Politics

Unit-2: The End of Bipolarity Sub-Unit: 'Arab Spring'

The 21st century witnessed emergence of new developments for democracies and democratization in West Asian countries, one such event is characterized as Arab Spring that began in 2009. Located in Tunisia, the Arab Spring took its roots where the struggle against corruption, unemployment and poverty was started by the public which turned into a political movement because the people considered the existing problems as outcome of autocratic dictatorship. The demand for democracy that started in Tunisia spread throughout the Muslim-dominated Arab countries in West Asia. Hosni Mubarak, who had been in power in Egypt since 1979, also collapsed as a result of the massive democratic protests. In addition, the influence of Arab Spring could also be seen in Yemen, Bahrain, Libya and Syria where similar protests by the people led to democratic awakening throughout the region.

Unit-3: New Centres of Power

Sub-Unit: 'BRICS'

The term BRICS refers to Brazil, Russia, India, China, and South Africa respectively. BRIC was founded in 2006 in Russia. BRIC turned into BRICS after the inclusion of South Africa in its first meeting in the year 2009. The key objectives of BRICS are primarily to cooperate and distribute mutual economic benefits among its members besides non-interference in the internal policies of each nation and mutual equality. The 11th conference of the BRICS concluded in Brazil in 2019, chaired by Brazilian President Jair Bolsonaro.

Sub-Unit: 'Russia'

Russia has been the largest part of the former Soviet Union even before its disintegration. After the dissolution of the Soviet Union in late 1980s and early 1990s, Russia emerged as the strong successor of USSR [Union of Soviet Socialist Republics]. Russia's GDP is currently 11th in the world. Russia has reserves of minerals, natural resources and gases that make it a powerful country in the global world. In addition, Russia is a nuclear state with a huge stock of sophisticated weapons. Russia is also a permanent member of the UN Security Council, called P-5.

Sub-Unit: 'India'

The 21st century India is being seen as an important emerging global power. The world is experiencing the power and rise of India in a multidimensional way. The economic, cultural, strategic position of the country with a population of more than 135 crores is very strong. From an economic perspective, targeting the goal of a \$5 trillion economy, a competitive huge market, an ancient inclusive culture with 200 million people of Indian Diaspora spreading across the globe impart distinct meaning and salience to India as a new centre of power in the 21st century.

From a strategic perspective, the military of India is self-sufficient with indigenous nuclear technology making it another nuclear power. 'Make in India' scheme in technology and science is another milestone of Indian economy. All these changes are making India an important centre of power in the present world.

Sub-Unit: 'Israel'

Shown on the world map with a pointer, Israel has emerged as one of the most powerful nations in the 21st century world in terms of science and technology, defence, intelligence besides economy. Situated in the middle of the burning politics of West Asian countries, Israel has reached to the new heights of global political standing by virtue of its indomitable defence prowess, technological innovations, industrialization and agricultural development. Sustaining against adversity is the principle with which a small Jewish-Zionist nation, i.e., Israel is placed in the contemporary global politics in general and the Arab-dominated West Asian politics in particular.

Unit-5: United Nations and Its Organizations

Sub-Unit: 'UNESCO'

The United Nations Educational, Scientific and Cultural Organization (UNESCO) was established on 4 November 1946. With its headquarter in Paris, France, UNESCO is a special body of the United Nations whose main objective is to promote education, natural science, society and anthropology, culture and communication. During past several years, the special work done by UNESCO has been to promote literacy, technical and educational training and independent media etc. all across its member nations.

Sub-Unit: 'UNICEF'

The United Nations International Children's Emergency Fund (UNICEF) was established in 1946 by the United Nations General Assembly as a body whose main task was to collect emergency funds for children and to help in their development work all across the world. Apart from this, UNICEF helps and encourages the works that promote children's health and better life in all parts of the world. With its' headquarter in New York, United States, UNICEF has been working successfully in almost all 193 countries of the world.

Sub-Unit: 'ILO'

The International Labour Organization (ILO), founded in October 1919 with its headquarter in Geneva, Switzerland, is a body of the United Nations which aims to promote efficient conditions of social justice and work for workers through international labour standards at the global level. In addition, there is an incentive for women and male workers to engage in productive work and to create safety, parity and self-respectful conditions for them at the workplace.

Unit-6: Security in Contemporary World

Unit: 'Terrorism'

Terrorism refers to systematic use of brutal violence that creates an atmosphere of fear in society. It is used for many purposes, very prominently the politico-religious purposes.

There could be three broad meanings of terrorism:

- A systematic use of terror, often violent, especially as a means of coercion.
- Violent acts which are intended to create fear (terror); are perpetrated for a religious, political or, ideological goal; and deliberately target or disregard the safety of non-combatants (civilians).
- Acts of unlawful violence and war.

There is not a single nation in the world that does not suffer from terrorism. Although some countries have tried to divide terrorism into good and bad terrorism, India has always denied this distinction. India's current Prime Minister Narendra Modi has also clarified that terrorism cannot be divided into good or bad; it is a global problem and should be combated collectively.

Class XII

Paper II: Politics in India Since Independence

Unit-9: Challenges of Nation Building Sub-Unit:

'Patel and National Integration'

The first deputy Prime Minister and Home Minister of India, Sardar Vallabhbhai Patel, emerged as a major leader of the freedom movement after the Kheda Satyagraha (1918) and the Bardoli Satyagraha (1928).

At the time of independence, the problem of integration of princely states was a big challenge for the national unity and integrity of India. Under such difficult times, Sardar Patel undertook the daunting tasks of uniting all 565 princely states of India. Known as an 'Iron Man' of India, Patel's approach to the question of the merger of princely states into independent India was very clear. He was not in favour of any compromise with the territorial integrity of India. By his political experience, diplomatic prowess and foresightedness, out of India's 565 princely states many had already given their consent to merge with India even before achieving the independence.

Sardar Patel faced key challenges of integration from three states, viz., Hyderabad, Junagarh and Kashmir. It was under his leadership that Indian forces compelled Hyderabad and Junagarh to merge with India. Keeping well-versed with Pakistan's intentions from Jinnah's divisive 'Two Nation Theory', Sardar Patel's opinion on Kashmir was different from other leaders. Like Hyderabad, he also wanted Kashmir's integration with India through military operations. But due to various reasons, Sardar could not succeed in integrating Kashmir fully with India. However, Sardar will always remain as an astounding leader who combined in himself the features of a true 'Nationalist', 'Catalyst' and 'Realist' – popularly characterised as NCR in Indian political history.

Unit-2: Planned Development Sub-Unit:

'NITI Aayog'

After independence, a Planning Commission based on socialist model was formed for the planned development of India. But in the era of globalization, especially in the 21st century, it was becoming ineffective and irrelevant, particularly in terms of coping with the pressing challenges of development. Hence, during his Independence Day speech on 15 August 2014, Prime Minister Narendra Modi talked about the abolition of the Planning Commission. NITI Aayog was constituted in place of Planning Commission on 1 January 2015 with the objective of providing the necessary and technical advice to the Union Government regarding policy making at the Central and State levels.

The Prime Minister of India is the ex-officio Chairman of NITI Aayog and he appoints the Vice Chairperson of NITI Aayog. The first Vice Chairperson of NITI Aayog was Arvind Panagariya. Dr Rajiv Kumar is the current Vice Chairperson of NITI Aayog.

To harmonize the interests of national security and economic policy and to prepare strategic and long-term framework of policy and program, NITI Aayog acts as a think tank of the Union Government. By adopting a 'Bottom-Up Approach', the NITI Aayog acts in the spirit of cooperative federalism as it ensures equal participation of all states in the country.

Unit-3: India's Foreign Policy Sub-Unit:

'India-Israel Relations'

Nearly 45 years after independence, due to various reasons, India's foreign policy with Israel remained largely unexplored notwithstanding the two nations gaining independence from the British colonial rule in 1947 and 1948 respectively.

Though historical and cultural ties between India and Israel have gone back from times immemorial, diplomatic relations formally developed between the two after the opening of Israeli embassy in India in 1992.

Relations between the two democratic nations further intensified with the visits of the Two Heads of Government in 2017 and 2018. The two nations have started cooperation in various fields like cultural exchange, security and defence, counterterrorism, space research, water and energy and agricultural development.

Sub-Unit: 'India's Nuclear Program' (Updates)

India's nuclear policy has always been peace-oriented, whose clear impression is reflected in the policy of *No First Use*. But in view of contemporary regional security challenges, the present government has made it clear that the policy of no first use can be reviewed and changed in consonance with India's regional and national security. In addition, India is committed to ensuring its membership in the Nuclear Suppliers Group (NSG) and opposing partisan and unjust nuclear treaties like CTBT and NPT.

Unit-5: Democratic Resurgence

Sub-Unit: 'Jaya Prakash Narayan and Total Revolution' [Updates]

Jaya Prakash Narayan is known for three key contributions: Fight against Corruption, Principle of Communitarian Socialism and Championing of 'Total Revolution'.

Jaya Prakash Narayan was the first leader in post-independence India who undertook a tirade against corruption through the participation of youth, particularly in Gujarat and Bihar. He advocated the office of Lokpal against corruption. His principle of Communitarian Socialism views India as a society of communities encompassing three key layers, viz., community, region and *rashtra* – all combining together as an example of true federation.

Based on the above principles, Jaya Prakash Narayan advocated transformation of individual, society and state through his call for 'Total Revolution'. His call for total revolution sought to encompass moral, cultural, economic, political, educational and ecological transformations. His political transformation included the right to recall, the importance of village/*mohalla samities* in democratic politics, and his call for *Upper Ke Log* to join political struggle for a clean politics in the country.

The essence for transformation according to Jaya Prakash Narayan revolves around 'Man' who could be the real catalyst of change in India.

Sub-Unit: 'Ram Manohar Lohia and Socialism'

Ram Manohar Lohia has been one of the main proponents of socialism in India. He championed the idea of 'Democratic Socialism' while associating his socialism with democracy. Lohia considered both capitalism and communism equally irrelevant for Indian society. His principle of Democratic Socialism has two objectives - the economic objective in form of food and housing

and the non-economic objective in form of democracy and freedom.

Lohia advocated *Chourja Rajneeti* in which he opines four pillars of politics as well as socialism: Centre, Region, District and Village – all are linked with each other. Giving consideration to affirmative action, Lohia argued that the policy of affirmative action should not only be for the downtrodden but also for the women and the non-religious minorities.

Based on the premise of Democratic Socialism and *Chourja Rajneeti*, Lohia supported a 'Party of Socialism' as an attempt of merging all political parties. The Party of Socialism according to Lohia should have three symbols, viz., Spade [prepared to make efforts], Vote [power of voting], and Prison [Willingness to make sacrifices].

Sub-Unit: 'Deendayal Upadhyaya and Integral Humanism'

Pandit Deendayal Upadhyaya was a philosopher, sociologist, economist and politician. The philosophy presented by him is called 'Integral Humanism' which was intended to present an 'indigenous socio-economic model' in which human being remains at the centre of development. The aim of Integral Humanism is to ensure dignified life for every human being while balancing the needs of the individual and society. It supports sustainable consumption of natural resources so that those resources can be replenished. Integral Humanism enhances not only political but also economic and social democracy and freedom. As it seeks to promote diversity, it is best suited for a country as diverse as India.

The philosophy of Integral Humanism is based on the following three principles:

- ▮ Primacy of whole, not part
- Supremacy of *Dharma*
- ▮ Autonomy of Society

Pandit Deendayal Upadhyaya opposed both Western 'capitalist individualism' and 'Marxist socialism'. According to Deendayal Upadhyaya, capitalist and socialist ideologies only consider the needs of the human body and mind, so they are based on materialistic purpose whereas spiritual development is equally considered important for the complete development of human being which is missing in both capitalism and socialism. Basing his philosophy on the internal conscience, pure human soul to be called *Chhitti*, Deendayal Upadhyaya envisaged a classless, casteless and conflict-free social system.

Deen Dayal Upadhyaya advocated Indianization of Democracy, particularly with a focus on Economic Democracy. For him, decentralization & Swadeshi are the foundation of Economic Democracy. His philosophy broadly revolved around the principle of Arthyaam which states that both the absence and prominence of artha lead to the destruction and denigration of Dharma which is so central to Integral Humanism.

Sub-Unit: 'Democratic Upsurges'

Increasing participation of the people in the democratic politics of the country is broadly characterised as democratic upsurge. Based on this principle, social scientists have characterized three democratic upsurges in post- independence history of India.

The 'First Democratic Upsurge' could be attributed from the 1950s till 1970s which was based on the participation of Indian adult voters to the democratic politics both at the centre and in states. Falsifying the western myth that the success of democracy requires modernization, urbanization, education and access to media, the successful holding of elections to both Lok Sabha and legislative assemblies all across states on the principle of parliamentary democracy were the testimony of India's first democratic upsurge.

During the 1980's, the increasing political participation of the lower classes of the society such as SCs, STs and OBCs has been interpreted as 'Second Democratic Upsurge'. This participation has made Indian politics more accommodative and accessible for these classes. Although this upsurge has not made any major change in the standard of living of these classes, especially Dalits, the participation of these classes into the organizational and political platforms gave them the opportunity to strengthen their self-respect and ensure empowerment in the democratic politics of the country.

The era of Liberalization, Privatization and Globalization from the early 1990s is attributed to the emergence of a competitive market society encompassing all important sectors of economy, society and polity thus paving way for the 'Third Democratic Upsurge'. The Third Democratic Upsurge represents a competitive electoral market which is based not on the principle of *survival of the fittest* but rather the *survival of the ablest*. It underlines three shifts in India's electoral market: from *State to Market*, from *Government to Governance*, from *State as Controller to State as Facilitator*. Moreover, the Third Democratic Upsurge seeks to promote the participation of the youth who constitute a significant chunk of Indian society and have emerged as the real *game changers* in view of their increasing electoral preference for both development and governance in India's contemporary democratic politics.

Unit-7: Regional Aspirations

Sub-Unit: 'The Kashmir Issue'

Since its integration with the Union of India, Kashmir has remained one of the burning issues in post-independence India. The problem became more complicated when it was accorded a special status in the Constitution through Article 370 and Article 35A – the former giving it special powers like having its separate Constitution/Constituent Assembly/Flag, new nomenclature for Chief Minister as Prime Minister and Governor as *Sadr-e-Riyasat*, and the non-enforcement of most of the Union laws in the state while the later imparting it special citizenship rights prohibiting the non-Kashmiris from buying property in the state.

It was against the special status of the state of Jammu and Kashmir that there was a clarion call for abrogation of Articles 370 and 35A. Others equated Article 370 and 35A as 'constitutionally recognized separatism'.

It was against this backdrop that current NDA Government presented the Jammu and Kashmir Reorganization Bill in Rajya Sabha on 5 August 2019 for the abolition of Section 370 and 35-A from Kashmir, which was passed by a majority. The bill was passed by the Lok Sabha on 6 August 2019. After the President's assent on 9 August 2019, Sections 370 and 35A were repealed and Jammu and Kashmir got divided into two Union Territories of Ladakh and Jammu and Kashmir.

Unit-8: Indian Politics: Trends and Developments

Sub-Unit: 'NDA III & IV'

The Bharatiya Janata Party led by Prime Minister Narendra Modi got an absolute majority in the Lok Sabha elections held in May 2014 and after nearly 30 years in Indian politics, a strong government with an absolute majority was established at the Centre. Though called NDA III, the BJP-led coalition of 2014 was largely different its predecessor coalition governments. Where the previous coalitions were led by one of the national parties, the NDA III coalition was not only steered by a national party, i.e., BJP it was also dominated by BJP with an absolute majority of its own in Lok Sabha. It was also called a 'surplus majority coalition'. In that sense a major transformation could be seen in the nature of coalition politics which could be seen from *one party led coalition to one party dominated coalition*.

The 2019 Lok Sabha elections, the 17th since independence, once again brought back BJP led NDA [NDA IV] to the centre of power by winning more than 350 seats out of 543. The BJP on its own won 303 seats in Lok Sabha, the biggest number any single party has won in the lower house since 1984 when Congress swept the elections in the aftermath of Mrs Indira Gandhi's assassination. Based on the tumultuous success of the BJP in 2019, Social Scientists have started equating the contemporary party system with the 'BJP System' where an era of one party dominance, like the 'Congress System' has once again started appearing on the democratic politics of India.

Sub-Unit: 'Issues of Development and Governance'

In addition to schemes already existing, several socio-economic welfare schemes have been initiated to make development and governance accessible to the masses such as -

Pradhan Mantri Ujjwala Yojana, Swachh Bharat Abhiyan, Jan-Dhan Yojana, Deendayal Upadhyaya Gram Jyoti Yojana, Kisan Fasal Bima Yojna, Beti Bachao Beti Padhao, Ayushman Bharat Yojana, etc.

All these schemes intended to take administration to the doorstep of the common man by making the rural households, particularly the women, real beneficiaries of the Central Government schemes.

CBSE | DEPARTMENT OF SKILL EDUCATION

CURRICULUM FOR SESSION 2022-2023

BANKING (SUBJECT CODE 811)

JOB ROLE: Sales Executive (Banking product)

CLASS–XI & XII

COURSE OVERVIEW:

Banker may refer to: a person who provides financial banking services and typically works in a bank. A bank is a financial institution which is involved in borrowing and lending money. Banks take customer deposits in return for paying customers an annual interest payment. The bank then uses the majority of these deposits to lend to other customers for a variety of loans.

Banks provide a safe haven for the savings of individuals and businesses, they support productive human endeavor and economic growth by efficiently and effectively allocating funds, and they bridge the divergent maturity needs of short- term depositors and long-term borrowers.

The main objectives of the Bank are listed and prioritized in the Law: To maintain price stability; to support other objectives of the Government's economic policy, especially growth, employment, and reducing social gaps; and supporting the stability of the financial system.

This course provides an introduction to banking services and financial institutions; students also compare the operations of national and state banks. Students examine the principles of banking transactions and the various services of a bank.

OBJECTIVES OF THE COURSE:

In this course, the students will be introduced to the fundamentals concepts of banking and functions of various banks available in our country. This course prepare the students to take up various positions in the banking industry and financial services industry. The course is also a stepping stone for students aspiring to undertake higher education in Commerce, Banking, Management, etc. Following are the main objectives of this course.

- To familiarize the students regarding various functions and concepts of bank and career opportunities available in these fields.
- To develop practical understanding among the students associated with banks

working and organizing through classroom discussion/ participation and projects.

- To provide brief insight about the structure of bank in our country and organization of bank branch.
- To provide knowledge to students in concise and understandable format so that students could learn and apply these concepts in their career for the growth.
- To develop skills in students which are required for banking career
 - Customer Dealing
 - People with patience
 - People good with numbers and accounting
 - Good Analytical Skills

SALIENT FEATURES:

In this modern time, money and its necessity is very important. A developed financial system of the country ensures to attain development. A bank provides valuable services to a country. To attain development there should be a good developed financial system to support not only the economic but also the society. So, a bank plays a vital role in the socio economic matters of the country.

- The important role of banks:
- It promotes saving habit of people
- Capital formation and promote industry.
- Generates employment opportunities
- Facilitating Trade and Commerce Industry
- Applying of monetary policy

LIST OF EQUIPMENT AND MATERIALS:

The list given below is suggestive and exhaustive list should be prepared by the vocational teacher. Only basic tools, equipment and accessories should be procured by the institution so that the routine tasks can be performed by the students regularly for acquiring adequate practical experience.

Teaching/Training Aids:

- Forms available in bank for various purpose such as Pay-in-slip, Withdrawal slip, account opening form, etc.
- RTGS and NEFT forms
- Specimen of Debit card and credit card.
- A dummy bank space created to show the bank's functioning.
- Posters showing ATM, passbook printing machine, cash deposit machine, etc.
- Computer
- LCD Projector
- Projection Screen
- White/Black Board
- Chart papers

CAREER OPPORTUNITIES:

- Number of opportunities in banking industry – students who have successfully completed the course can join the banking industry.
- Opportunities in financial services industry
- Students can join corporate sector in Finance, Marketing, HR and other administrative departments.
- KPO/BPO industry: Enormous opportunities for commerce students.
- Taxation: Many jobs related to taxation created after liberalizing Indian economy.
- Job roles in companies, banks, financial institutions, insurance companies, commercial firms, business houses, Reserve Bank of India, Foreign banks
- This course prepares the students to take up various positions in the banking industry and financial services industry. The course is also a stepping stone for students aspiring to undertake higher education in Commerce, Banking, Management, etc. After completion of B.Com or .VOC (Bank management), students can go for employment in public or private sector banks and financial services industry

VERTICAL MOBILITY:

After 12th standard, a student can opt for some of the notable academic programs –

- B.Com. (Bachelor of Commerce)
- Bachelor of Economics
- CA (Chartered Accountancy)

BANKING (SUBJECT CODE 811)
CLASS –XI (SESSION 2022-2023)

Total Marks: 100 (Theory-60+Practical-40)

	UNITS	NO. OF HOURS for Theory and Practical 260	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-III	13	2
	Unit 2 : Self-Management Skills-III	07	2
	Unit 3 : ICT Skills-III	13	2
	Unit 4 : Entrepreneurial Skills-III	10	2
	Unit 5 : Green Skills-III	07	2
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Introduction	10	05
	Unit 2: Banker & customer	40	10
	Unit 3: Employment of Bank Funds	50	20
	Unit 4: Negotiable Instruments	40	15
	Total	140	50
Part C	Practical Work		
	Project	70	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities		10
	Total		70
	GRAND TOTAL	260	100

NOTE: The detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

BANKING (SUBJECT CODE 811)
CURRICULUM FOR CLASS–XII SESSION 2022-23

Total Marks: 100 (Theory-60 + Practical-40)

	UNITS	NO. OF HOURS for Theory and Practical 260	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-IV*	13	-
	Unit 2 : Self-Management Skills- IV	07	3
	Unit 3 : ICT Skills- IV	13	3
	Unit 4 : Entrepreneurial Skills- IV	10	4
	Unit 5 : Green Skills- IV*	07	-
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Ancillary Services of Banks	10	10
	Unit 2: Innovations in Banking Technology	25	07
	Unit 3: Organization of a Bank Branch	35	10
	Unit 4: Basics of Business Mathematics	35	10
	Unit 5: Reserve Bank of India Regulations on Banks	20	08
	Unit 6: Performa of Final Accounts of Banking Companies	15	05
Total	140	50	
Part C	Practical Work		
	Project	70	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities		10
	Total		70
GRAND TOTAL		260	100

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams.

DETAILED CURRICULUM/TOPICS:

Part-A: EMPLOYABILITY SKILLS

S. No.	Units	Duration in Hours
1.	Unit 1: Communication Skills-IV*	13
2.	Unit 2: Self-management Skills-IV	07
3.	Unit 3: Information and Communication Technology Skills-IV	13
4.	Unit 4: Entrepreneurial Skills-IV	10
5.	Unit 5: Green Skills-IV*	07
	TOTAL DURATION	50

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams.

The detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

Part-B – SUBJECT SPECIFIC SKILLS

S. No.	Units	Duration in Hours
1.	Unit 1: Ancillary Services of Banks	10
2.	Unit 2: Innovations in Banking Technology	25
3.	Unit 3: Organization of a Bank Branch	35
4.	Unit 4: Basics of Business Mathematics	35
5.	Unit 5: Reserve Bank of India Regulations on Banks	20
6.	Unit 6: Performa of Final Accounts of Banking Companies	15
	TOTAL DURATION	140

S. No.	Unit	Sessions
1.	Ancillary Services of Banks	<ul style="list-style-type: none"> • Safe custody of valuables. • Lockers. • Remittances – RTGS/NEFT/Drafts. • Fee based services- Issuing Guarantees and letters of credit. • Selling Third Party Products- Insurance and Mutual fund units. • Credit Cards, Debit Cards.* • Brokerage and Demat Services.*
2.	Innovations in Banking Technology	Bank Computerization. <ul style="list-style-type: none"> • Core Banking. • Online Banking. • Mobile Banking.* • Internet Banking.* • ATMs*.
3.	Organization of a Bank Branch	<ul style="list-style-type: none"> • Bank Branch Set up, Strong Room. • Front Office, Back Office. • Security Arrangements in Bank. • Clearing Houses.
4.	Basics of Business Mathematics	<ul style="list-style-type: none"> • Calculation of simple interest and Compound Interest. • Calculations of interest on fixed rate and Floating rate. • Calculation of EMIs.* • Calculations of interest on Savings Accounts.* • Calculations of date of maturity of bills of exchange*
5.	Reserve Bank of India Regulations on Banks	<ul style="list-style-type: none"> • Cash Reserve Ratio. • Statutory Liquidity Ratio. • Bank Rate. • Repo Rate. • Reverse Repo Rate. • Base Rate.
6.	Performa of Final Accounts of Banking Companies	<ul style="list-style-type: none"> • Profit & Loss Account and Balance Sheet.

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams.

PRACTICAL GUIDELINES FOR CLASS XI

Assessment of performance:

The two internal examiners, assigned for the conduct and assessment of Practical Examinations each in Senior Secondary School Curriculum (Under NSQF). Question for the viva examinations should be conducted by both the examiners. Question to be more of General nature, project work or the curriculum. Investigatory Project especially those that show considerable amount of effort and originality, on the part of the student, should get suitable high marks, while project of a routine or stereotyped nature should only receive MEDIOCRE marks.

Procedure for Record of Marks in the Practical answer-books:

The examiner will indicate separately marks of practical examination on the title page of the answer-books under the following heads:-

Project -10 marks

Projects for the final practical is given below .Student may be assigned

Viva based on Project -05 marks

The teacher conducting the final practical examination may ask verbal questions related to the project, if any, done by the student. Alternatively, if no project has been assigned to the students, viva may be based on questions of practical nature from the field of subject as per the Curriculum

Practical File -15 Marks

Students to make a power point presentation / assignment / practical file / report. Instructor shall assign them any outlet to study the elements in retailing.

Suggested list of Practical –

1. Collecting of information about the sources of income and calculate the tentative tax payable by them for the relevant financial year.
2. Visit the websites of five different commercial banks (Three Public sector and two private sector banks) and get the details of the various Retail Banking Products offered by them.

3. Prepare a comprehensive report for each of these banks covering the following: Retail banking product (One asset and one liability product) best suited for the people in different stages of the cycle e.g. a young executive who recently joined the job, A housewife, an elderly lady with no dependents, A retired person, A member of armed forces etc.
4. List various documents to be submitted by the customers for applying for each product. You can obtain sample forms from any of the banks.
5. Prepare a comprehensive report for each of these banks covering the following:
 - a) Retail banking product (One asset and one liability product) best suited for the people in different stages of the cycle e.g. a young executive who recently joined the job, A housewife, an elderly lady with no dependents, A retired person, A member of armed forested.
 - b) List various documents to be submitted by the customers for applying for each product. You can obtain sample forms from any of the banks.
Explain the operational details for each of the products
6. Visit the websites of five different commercial banks (Three Public sector and two private sector banks) and get the details of the various Retail Banking Products offered by them.

Demonstration of skill competency in Lab Activities -10 marks

Guidelines for Project Preparation:

The final project work should encompass chapters on:

- a) Introduction,
- b) Identification of core and advance issues,
- c) Learning and understanding and
- d) Observation during the project period.

PRACTICAL GUIDELINES FOR CLASS XII

Assessment of performance:

The two internal examiners, assigned for the conduct and assessment of Practical Examinations each in Senior Secondary School Curriculum (Under NSQF). Question for the viva examinations should be conducted by both the examiners. Question to be more of General nature, project work or the curriculum. Investigatory Project especially those that show considerable amount of effort and originality, on the part of the student, should get suitable high marks, while project of a routine or stereotyped nature should only receive MEDIOCRE marks.

Procedure for Record of Marks in the Practical answer-books:

The examiner will indicate separately marks of practical examination on the title page of the answer-books under the following heads:-

Project -10 marks

Projects for the final practical is given below .Student may be assigned

Viva based on Project -05 marks

The teacher conducting the final practical examination may ask verbal questions related to the project, if any, done by the student. Alternatively, if no project has been assigned to the students, viva may be based on questions of practical nature from the field of subject as per the Curriculum

Practical File -15 Marks

Students to make a power point presentation / assignment / practical file / report. Instructor shall assign them any outlet to study the elements in retailing.

Suggested list of Practical –

1. Visit nearest branch of any Bank and collect details regarding different modes of transferring funds from one person to another. Also collect sample documents/forms for each of such modes of transfer. Tabulate the advantages and disadvantages for each mode of payment system.

2. Download the Balance Sheet of a public sector bank and a private sector bank as at 31st March of current year from their websites and compare the composition of their deposits like % of demand deposits to total deposits, Profitability, composition of their loans, Total interest earned etc. and comment which sector bank is better managed from profit point of view.
3. Visit nearest branch of any Bank and collect details regarding different modes of transferring funds from one person to another. Also collect sample documents/forms for each of such modes of transfer. Tabulate the advantages and disadvantages for each mode of payment system.
4. Download the Balance Sheet of a public sector bank and a private sector bank as at 31st March of current year from their websites and compare the composition of their deposits like % of demand deposits to total deposits, Profitability, composition of their loans, Total interest earned etc. and comment which sector bank is better managed from profit point of view.

Demonstration of skill competency in Lab Activities -10 marks

Guidelines for Project Preparation:

The final project work should encompass chapters on:

- a. Introduction,
- b. Identification of core and advance issues,
- c. Learning and understanding and
- d. Observation during the project period.

CBSE | DEPARTMENT OF SKILL EDUCATION CURRICULUM FOR SESSION 2022-2023

FINANCIAL MARKET MANAGEMENT

(SUBJECT CODE 805)

JOB ROLE: EQUITY DEALER/MUTUAL FUND AGENT

Class XI & XII

COURSE OVERVIEW:

Financial skills particularly in the 21st century are as important as computer skills. It empowers a person to take informed judgments and decisions regarding the use and management of money. Financial skills improves the quality of life and standard of living by promoting budgeting, disciplined savings, intelligent use of credit for buying home, children's education & marriage, retirement planning etc.

There is also an acute shortage of trained professionals in BFSI (Banking, Financial Services, and Insurance) industry. The National Skill Development Corporation (NSDC) has identified BFSI as one of the 21 growth sector to develop skills. NSE is also co-promoter of BFSI sector council. The BFSI is also known as financial markets.

CBSE and NSE Academy have jointly promoted the Financial Markets Management (FMM) course. A joint certificate on completion of the course for class IX & X and for class XI & XII is provided by CBSE and NSE Academy.

Suggested Job Roles: Back Office Assistant/Front Office Assistant/ Assistant Operator (after Class X). Relationship Executive/ Mutual Fund Executive/ Equity Dealer/ Back Office Executive/ Sales Executive (Financial Services) etc. (after Class XII).

OBJECTIVES OF THE COURSE:

In this course, Followings are the main objectives of this course.

- To develop financial skills
- To build foundation for money management and equity market
- To develop basic understanding of mutual funds, capital and derivative market
- To build speed and accuracy for financial market operations
- To develop business acumen and entrepreneurial skills for financial markets
- To gain knowledge of green skills for environment protection

- To develop computer skills required for financial market.
- To learn oral and written communication skills to deal with clients
- To understand regulatory requirements while working in financial markets

SALIENT FEATURES:

- Joint Certificate - NSE Academy provides industry certificates apart from CBSE and NSE Academy providing joint certificate.
- Skill Development - NSE Academy helps skill development through internet based mock simulator software, NSE Learn to Trade- NLT.
- Save time - Students will save up to 1 year by passing 2/4 NCFM Modules while studying FMM in CBSE schools.

LIST OF EQUIPMENT AND MATERIALS:

The list given below is suggestive and an exhaustive list should be prepared by the teacher. Only basic tools, equipment and accessories should be procured by the Institution so that the routine tasks can be performed by the students regularly for practice and acquiring adequate practical experience.

Equipment's required for Computer Lab / Classroom:

1. Computers
2. LCD Projector with screen
3. White/Black Boards
4. Internet Connection
5. NSE Learn to Trade Software (Internet based software) to be provided by NSE Academy on enrolment of students.

CAREER OPPORTUNITIES:

FMM is the career for the tech savvy young persons in the 21st century. Your office can be anywhere in the world, if you have a laptop or smart phone with internet connection. There is lifelong learning as well as earning opportunities. Students can acquire employable skills for life and virtually there is no retirement. They can be employed in Banks, Mutual Funds, Stock Market, Currency Market, Commodity Market, Teaching, KPOs, and BPOs etc. in BFSI (Banking Financial Services & Insurance) sector.

A candidate on completion of FMM and on attaining the age of employment will be a preferred candidate (compared to general market candidates without any specific skills) in the job roles of Back office executive, equity dealer, relationship executive, mutual fund executive, sales executive for selling financial services etc.in banks, broking firms, KPOs, asset management companies etc.

- **Career opportunities** – Students can acquire employable skills for life and virtually there is no retirement. They can be employed in Banks, Mutual Funds, Stock Market, Currency Market, Commodity Market, Teaching, KPOs, and BPOs etc. in BFSI (Banking Financial Services & Insurance) sector.
- **Career for 21st Century** – FMM is the career for the tech savvy young persons in the 21st century. Your office can be anywhere in the world, if you have a laptop or smart phone with internet connection. There is lifelong learning as well as earning opportunities.
- **Employment potential** – A candidate on completion of FMM and on attaining the age of employment will be a preferred candidate (compared to general market candidates without any specific skills) in the job roles of Back office executive, equity dealer, relationship executive, mutual fund executive, sales executive for selling financial services etc.in banks, broking firms, KPOs, asset management companies etc.

VERTICAL MOBILITY:

Students starting from class IX can continue to study Financial Markets in CBSE till XII, and thereafter till Post Graduation in college and university. They can also get preference for admission in the same stream (Financial Markets) in Universities for BBA, B.Com and 5 years Integrated MBA in Financial Market.

CBSE Schools: School Students starting from class IX can continue to study Financial Markets Management (FMM) in CBSE till XII.

Graduation: After passing out from school, they can go for BBA (FM), B Com (FM), 5 years integrated MBA (FM) with option to leave after 3 years as BBA (FM), B.Voc (FM) or B.Voc(FS) with universities and colleges who have tie up with NSE Academy. Many universities/colleges also give preference in admission to FMM students in these courses.

Post-Graduation: A large number of universities in India also offer MBA/ M Com in (Financial Markets) in collaboration with NSE Academy.

CURRICULUM:

This course is a planned sequence of instructions consisting of Units meant for developing employability and Skills competencies of students of Class XI and XII opting for Skills subject along with other subjects.

FINANCIAL MARKET MANAGEMENT

XI (SUBJECT CODE 805)

Total Marks: 100 (Theory-60 + Practical-40)

	UNITS	NO. OF HOURS for Theory and Practical	MAX. MARKS for Theory and Practical
Part A	Employability Skills		
	Unit 1 : Communication Skills-III	13	2
	Unit 2 : Self-Management Skills-III	07	2
	Unit 3 : ICT Skills-III	13	2
	Unit 4 : Entrepreneurial Skills-III	10	2
	Unit 5 : Green Skills-III	07	2
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Markets and Financial Instruments	7	04
	Unit 2: Primary and Secondary Market	27	13
	Unit 3: Financial Statement Analysis	14	07
	Unit 4: Mutual Funds Products and Features	11	06
	Unit 4: Mutual Funds Products and Features	20	10
	Unit 5: ETFs, Debt and Liquid Funds	29	14
	Unit 6: Taxation and Regulations	12	06
	Total	120	50
Part C	Practical Work		
	Project	15	10
	Viva	5	5
	Practical File	10	5
	Demonstration of skill competency via Lab Activities on NLT software (Numeric Speed Accelerator Module)	60	20
	Total	90	40
	GRAND TOTAL	260	100

NOTE: Detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

PRACTICAL GUIDELINES FOR CLASS XI

Assessment of performance:

The two internal examiners, assigned for the conduct and assessment of Practical Examinations each in Senior Secondary School Curriculum (Under NSQF) . Question for the viva examinations should be conducted by two examiner (both internal). Question to be more of General nature, project work or the curriculum. Investigatory Project especially those that show considerable amount of effort and originality, on the part of the student, should get suitable high marks, while project of a routine or stereotyped nature should only receive MEDIOCRE marks.

Procedure for Record of Marks in the Practical answer-books:

The examiner will indicate separately marks of practical examination on the title page of the answer-books under the following heads:-

Project -10 marks

Projects for the final practical is given below .Student may be assigned

Viva based on Project -05 marks

The teacher conducting the final practical examination may ask verbal questions related to the project, if any, done by the student. Alternatively, if no project has been assigned to the students, viva may be based on questions of practical nature from the field of subject as per the Curriculum

Practical File -05 Marks

Students to make a power point presentation/ assignment/ practical file/ report. Instructor shall assign them any outlet to study the elements in retailing.

Demonstration of skill competency in Lab Activities -20 marks

Guidelines for Project Preparation:

The final project work should encompass chapters on:

- a) Introduction,
- b) Identification of core and advance issues,
- c) Learning and understanding and Observation during the project period.

FINANCIAL MARKET MANAGEMENT

XII (SUBJECT CODE 805)

Total Marks: 100 (Theory-60 + Practical-40)

	UNIT	NO. OF HOURS for Theory and Practical 260	MAX. MARKS for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-IV*	13	-
	Unit 2 : Self-Management Skills-IV	07	3
	Unit 3 : ICT Skills-IV	13	3
	Unit 4 : Entrepreneurial Skills-IV	10	4
	Unit 5 : Green Skills-IV*	07	-
	Total	50	10
Part B	Subject Specific Skills		
	Unit 1: Introduction to Indian SecuritiesMarket and Trading Membership	29	12
	Unit 2: Trading	29	12
	Unit 3: Clearing and Settlement, Legal Framework	34	14
	Unit 4: Introduction to Derivatives	10	04
	Unit 5: Introduction to Futures and Options	18	08
	TOTAL	120	50
Part C	Practical Work		
	Project / Practical Activities	15	10
	Viva based on Project	5	05
	Practical File/ Report or Portfolio	10	05
	Demonstration of skill competency on NLT software (Numeric Speed Accelerator Module)	60	20
	Total	90	40
GRAND TOTAL		260	100

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams

DETAILED CURRICULUM/TOPICS:**Part-A: EMPLOYABILITY SKILLS**

S. No.	Units	Duration in Hours
1.	Unit 1: Communication Skills-IV*	13
2.	Unit 2: Self-management Skills-IV	07
3.	Unit 3: Information and Communication Technology Skills-IV	13
4.	Unit 4: Entrepreneurial Skills-IV	10
5.	Unit 5: Green Skills-IV*	07
TOTAL DURATION		50

Note: * marked units are to be assessed through Internal Assessment/ Student Activities. They are not to be assessed in Theory Exams

The detailed curriculum/ topics to be covered under Part A: Employability Skills can be downloaded from CBSE website

Part-B – SUBJECT SPECIFIC SKILLS

S. No.	Units	Duration in Hours
1.	Unit 1: Introduction to Indian Securities Market and Trading Membership	29
2.	Unit 2: Trading	29
3.	Unit 3: Clearing and Settlement, Legal Framework	34
4.	Unit 4: Introduction to Derivatives	10
5.	Unit 5: Introduction to Futures and Options	18
TOTAL DURATION		120

UNIT	SUB-UNIT	SESSION/ ACTIVITY/ PRACTICAL
1. Introduction to Indian Securities Market and Trading Membership	Securities Market segments and products	Session -1 1.1 Market Segments 1.1.1 Primary Market 1.1.2 Secondary Market 1.2 Key Indicators of Securities Market 1.2.1 Index 1.2.2 Market Capitalisation. 1.2.3 Market Capitalisation Ratio 1.2.4 Turnover 1.2.5 Turnover Ratio 1.3 Products and Participants 1.3.1 Products 1.3.2 Participants 1.4 Market Segments and their Products
		Activity Presentation on Primary and secondary market, Role play, presentation on NSE trading products
	Market Reforms	Session -2 1.5 Reforms in Indian Securities Markets <ul style="list-style-type: none"> • Creation of Market Regulator • Screen Based Trading • Reduction of Trading Cycle

UNIT	SUB-UNIT	SESSION/ ACTIVITY/ PRACTICAL
		<ul style="list-style-type: none"> • Equity Derivatives Trading • Demutualisation • Dematerialisation • Clearing Corporation • Investor Protection • Globalization • Launch of India VIX • Direct Market Access • Launch of Securities Lending & Borrowing Scheme • Launch of Currency Futures • ASBA: Application Supported by Blocked Amount (ASBA) • Launch of Interest Rate Futures • Issue of Capital and Disclosure Requirements (ICDR) Regulations 2009 <p>Activity ASBA project through net banking, case on globalization etc.</p>
	<p>Trading Memberships</p>	<p>Session -3</p> <p>1.6 Stock Brokers</p> <p>1.7 NSE Membership</p> <p>1.7.1 New Membership</p> <p>1.7.2 Eligibility Criteria for Membership at NSE</p> <p>1.7.3 Admission Procedure for New Membership</p> <p>1.8 Surrender of Trading membership</p> <p>1.9 Suspension & Expulsion of Membership</p> <p>1.9.1 Basis of Suspension of Membership</p> <p>1.9.2 Suspension of Business</p> <p>1.9.3 Removal of Suspension</p> <p>1.9.4 Consequences of Suspension</p> <p>1.9.5 Consequences of Expulsion</p> <p>1.10 Declaration of Defaulter</p> <p>1.11 Authorised Persons</p> <p>1.12 Sub-Brokers</p> <p>1.12.1 Eligibility</p> <p>1.12.2 Registration</p> <p>1.12.3 Cancellation of Registration</p> <p>1.13 Broker-Clients Relations</p> <p>1.13.1 Client Registration Documents</p> <p>1.13.2 Unique Client Code (UCC)</p> <p>1.13.3 Margins from the Clients</p> <p>1.13.4 Execution of Orders</p> <p>1.13.5 Contract Note</p> <p>1.13.6 Payments/Delivery of Securities to the Clients</p> <p>1.13.7 Brokerage</p> <p>1.13.8 Segregation of Bank Accounts</p> <p>1.13.9 Segregation of Demat (Beneficiary)Accounts</p> <p>1.14 Sub-Broker-Clients Relations</p> <p>1.14.1 Relationship with clients</p> <p>1.14.2 Contract notes</p> <p>1.14.3 Securities/Funds</p> <p>1.15 Investor Service Cell and Arbitration</p>

UNIT	SUB-UNIT	SESSION/ ACTIVITY/ PRACTICAL
		1.16 Code of Advertisement Activity Visit to Broker house. Role play, Quiz contest and presentation on the operations of Broke House
2. Trading	Overview of Trading network and NEAT Screen	Session -1 2.1 Introduction 2.2 NEAT System 2.3 Market Types 2.4 Trading System Users Hierarchy 2.5 Local Database 2.6 Market Phases 2.7 Logging On 2.8 Log Off / Exit from the Application 2.9 NEAT Screen Activity Presentation on NEAT Screen, visit to broker house, discussion on market phases and its operations.
	Inquiry Screens	Session -2 2.10 Invoking an Inquiry Screen Market Watch Security Descriptor Previous Trades Outstanding Orders Activity Log Order Status Snap Quote Market Movement Market Inquiry Auction Inquiry Security /Portfolio List Multiple Index Broadcast and Graph Online Backup Basket Trading Buy Back Trades Activity NEAT Screen Key Features, NSMART Trading Features, Trading Techniques etc.
	Supplementary Functions and order management *	Session -3 Supplementary Functions 2.11 Order Management 2.11.1 Entering Orders 2.11.2 Order Modification 2.11.3 Order Cancellation 2.11.4 Order Matching Internet Broking 2.12 Internet Broking 2.13 Co-location 2.14 Wireless Application Protocol Ch-2 Trading (Session-3) from page No. 74 supplementary functions to Page No.97 till WAP

***Note: To be assessed in practical only. No question shall be asked from this portion in Theory Exams.**

UNIT	SUB-UNIT	SESSION/ ACTIVITY/ PRACTICAL
3. Clearing, Settlement and Legal Framework	Clearing and Settlement	<p>Session -1</p> <p>3.1 Introduction</p> <p>3.2 Key terminologies used in Clearing and Settlement Process</p> <p>3.3 Transaction Cycle</p> <p>3.4 Settlement Agencies</p> <p>3.5 Clearing and Settlement Process</p> <p>3.5.1 Clearing Process</p> <p>3.5.2 Settlement Process</p> <p>3.5.3 Settlement Cycle</p> <p>3.6 Securities and Funds Settlement</p> <p>3.6.1 Securities Settlement</p> <p>3.6.2 Funds Settlement</p> <p>3.7 Shortages Handling</p> <p>3.7.1 Valuation Prices</p> <p>3.7.2 Close-out Procedures</p> <p>Activity</p> <p>Practical Presentation on T to T+2 Trading Process, Presentation and Project on Settlement Process</p>
	Risk Management and Reports	<p>Session -2</p> <p>3.9 Risk Management</p> <p>3.9.1 Capital Adequacy Requirements</p> <p>3.9.2 Margins</p> <p>3.9.3 On-Line Exposure Monitoring</p> <p>3.9.4 Off-line Monitoring</p> <p>3.9.5 Index-based Market-wide Circuit Breakers/Price Bands for Securities</p> <p>3.9.6 Settlement Guarantee Mechanism</p> <p>3.10 International Securities Identification Number</p> <p>3.11 Data and Report Downloads</p> <p>3.11.1 Obligation Reports</p> <p>3.11.2 Custodial Trade Reports</p> <p>3.11.3 Deliveries Reports</p> <p>3.11.4 Funds Reports</p> <p>3.11.5 Auction Reports</p> <p>3.11.6 Other Reports</p> <p>Activity</p> <p>Margin Calculation, Role Play on Trade monitoring</p>
	Legal Framework	<p>Session -3</p> <p>3.12 SEBI (Intermediaries) Regulations,2008</p> <p>3.13 SEBI (Prohibition of Insider Trading) Regulations,2015</p> <p>3.13.1 Prohibition on Dealing, Communicating or Counselling (Chapter)</p> <p>3.13.2 Investigation (Chapter III)</p> <p>3.13.3 Disclosures and Internal Procedure for Prevention of Insider Trading</p> <p>3.14 SEBI (Prohibition of fraudulent and Unfair Trade Practices relating to securities market) Regulations, 2003</p> <p>3.14.1 Prohibition of Certain Dealings in Securities</p> <p>3.14.2 Prohibition of Manipulative, Fraudulent and Unfair Trade Practices</p> <p>3.15 The Depositories Act, 1996</p> <p>3.16 Indian Contract Act, 1872</p>

UNIT	SUB-UNIT	SESSION/ ACTIVITY/ PRACTICAL
		<p>3.17 Income Tax Act, 1961</p> <p>Activity Role Play on Insider Trading, Presentation on Unfair Trade Practices, Visit to Depository Participants (DP) House</p>
4. Introduction to Derivatives	Overview on Derivatives	<p>Session -1</p> <p>4.1 Types of Derivative Contracts 4.2 Basic Derivatives 4.3 History of Financial Derivatives Markets 4.4 Participants in a Derivative Market 4.5 Economic Function of the Derivative Market</p> <p>Activity Presentation on Derivatives Market history and its Products, Discussion on various economics function of derivatives</p>
	Understanding Interest Rates and index significance	<p>Session -2</p> <p>4.6 Understanding Interest Rates 4.7 Understanding the Stock Index 4.8 Economic Significance of Index Movements</p> <p>Activity Calculate interest rates, Discuss and Design Micro and Macro Factors of index movements</p>
	Index Constructions and its Attributes	<p>Session -3</p> <p>4.9 Index Construction 4.10 Desirable Attributes of An Index 4.11 Applications of index</p> <p>Activity Understand that how Indian stock market index calculate, presentation on index and its applications</p>
5. Introduction to Futures and Options	Forward vs Future Contracts and Future terminology	<p>Session -1</p> <p>5.1 Forward 5.2 Limitations of Forward Markets 5.3 Introduction to Futures 5.4 Distinction between Futures and Forwards Contracts 5.5 Futures Terminology 5.6 Trading Underlying Vs. Trading Single Stock Futures 5.7 Futures Payoffs 5.8 Pricing Futures 5.9 Understanding Beta (β) 5.10 Numerical Illustration of Applications of Stock Futures 5.11 Hedging using Stock Index Futures</p> <p>Activity Presentation or panel discussion on Forward vs Future Contracts, Presentation on Payoff Position, Calculations on Future Pricing with Beta</p>
	Option Terminology	<p>Session -2</p> <p>5.12 Option Terminology 5.13 Comparison between Futures and Options</p> <p>Activity :- Panel discussion on Future vs Option Contracts, Presentation on Option Terminology. Visit broker house to learn Trading techniques of Future and Option. Trade through NSMART and create position in F&O.</p>

Fine Arts (2022-23)

A student may offer any one of the following course:

- (a) **Painting** (Code No.049)
OR
- (b) **Graphics** (Code No.050)
OR
- (c) **Sculpture** (Code No.051)
OR
- (d) **Applied Art-Commercial Art** (Code No.052)

The following art terminologies for all the four subjects are prescribed only for reference and general enrichment.

1	Six limbs of Indian Painting	Sadangas
2	Fundamentals of Visual Arts	
	Elements	Point, line, colour, tone, texture and space.
	Principles	Unity, harmony, balance, rhythm, emphasis and proportion,
3	Drawing & Painting and materials	Abstraction and stylization, Foreshortening, perspective, eye level, fixed point of view, Vanishing point, ratio-proportion, sketching, drawing light and shade, still- life, land-scape, anatomy, vertical, horizontal, two and three dimensional, transparent and opaque Paper (Cartridge, handmade canvas and Hard- board Handmade, ect.), Pencil, water colour, acrylic colour, transparent
4	Media of Composition	Collage, Mosaic, Painting, Mural, Fresco, Batik Tie and Dye.
5	Sculpture	Relief and round sculpture, modeling with clay, terra-cotta, carving in wood, stone, bronze casting, plaster of Paris and metal welding.
6	Graphics	Linocut, relief printing, etching, Lithography, silk screen printing,.
7	Applied Art – Commercial Art	Book cover design and illustration, cartoon, poster, Advertisements, newspaper and magazine, animation and printing processes, photography, computer-graphic, hoarding and T.V, letter press and offset printing
8	Portfolio Assessment Method	

Introduction

The Art Portfolio will consist of a compilation of all art works, from sketch to finished product. The submission would include both the original and improved versions of assigned tasks reflective of gradual improvement. Step by step development of the work will be assessed in all units.

Components of a Portfolio:

- Schedule of work
- Research Skills
- Resources and materials
- Study of connections with artists / art movements
- Art making skills
- Personal artist statement
- Studies (e.g., composition/techniques-medium)
- Picture of the final work (reflective skills)
- Evaluation of final work (affective skills)
- Any kind of personalized notes in relation to artwork

Profile of Learners Growth Values and Attitudes Rubric. The learner develops the ability to:

- Respect, appreciate and demonstrate an open mind towards the artistic expression of others
- Appears enthusiastic and willing to study artistic expressions from other cultures or regions of the world that are very different from own.
- Accept different forms and styles and tries to explore their meaning.
- Be sensitive towards other's creations
- Be ready to research and transfer his/her learning to his / her own art
- Take initiative
- Be responsible for his/her own learning and progress
- Apply theoretical knowledge in practical contexts
- Possess information and communication technology skills
- Be resourceful and organize information effectively
- Listen attentively

**PORTFOLIO ASSESSMENT FOR FINE ARTS MAY BE DONE ON
THE BASIS OF FOLLOWING CRITERIA**

Creativity: Candidates are required to produce evidence that demonstrates a creative approach to problem-solving. Evidence should also include the ability to interpret a given brief and original approaches to produce a solution. Sketchbooks, notebooks and relevant support material should form part of this evidence.

1. Drawing
2. Detailed Study - observation, record, analysis, interpreting a variety of subject
3. Mood reflected
4. Follow-up of the Fundamentals of Visual Arts (Elements and Principles)
5. Message the artist wants to convey

Innovation: The knowledge gained with the help of case study (historical importance, great artist). How has the above been understood in relation to the topic or the theme taken up by the student?

Technique: To foster creativity and self-expression (basic understanding of colour concept and application in relation to colour and texture of the material used by the student). Size, details, proportion required according to the base used for the painting medium chosen according to their art stream. Techniques studied from folk style, contemporary art or traditional art should be used while creating a new concept.

The learners:

- Discover their potential for creativity, self-expression and visual awareness through painting.
- Feel confident with the chosen medium as a means of communicating and generating ideas.
- Develop observation, recording, manipulation and application skills.
- Experiment with a range of media and techniques.
- Relate their work to other artists work and understand the historical context of this work.
- Understand the basic principles of colour.
- Develop critical awareness.

Execution of Work

- Highlight the method of work giving a historical study of the work.
- Originality in the presentation (paintings, sketches, etc.)
- Demonstrate an understanding of basic colour principles, colour mixing and representation.
- Employ a variety of traditional and experimental techniques and processes
- Use a variety of media and materials
- Observe, record, analyses, interpret a variety of subjects, including:
 - the manufactured environment
 - the natural environment
 - the human figure
- Present evidence of personal enquiry and self-expression
- Discuss and relate own work to recognize artists work

- Observe colour in other craft and design areas
- Make informed critical judgment on work in progress

Experimentation

- A. Progressive Work:** Candidates are required to show evidence of research carried out. It is expected that their skills will demonstrate evidence of process and the exploration of a wide range of subjects. An accepted standard of achievement using a range of media and material should be an integral part of the candidate's development.
- B. Skills:** Sound aesthetic judgment and organizational skills should be demonstrated in the process of presented by a candidate.
- C. Logical organization and collection of creations.**
- D. Critical evaluation and aesthetic judgment applied**

(A) PAINTING (Code No. 049)

Introduction

The course in Painting at Senior Secondary stage as an elective subject is aimed to develop aesthetic sense of the students through the understanding of various important well known aspects and modes of visual art expression in India's rich cultural heritage from the period of Indus valley to the present time. It also encompasses practical exercises in drawing and painting to develop their mental faculties of observation, imagination, creation and physical skills required for its expressions.

Objectives

A) Theory (History of Indian Art)

The objective of including the history of Indian Art for the students is to familiarise them with the various styles and modes of art expressions from different parts of India. This would enrich their vision and enable them to appreciate and develop an aesthetic sensibility to enjoy the beauty of nature and life. The students will also have an opportunity to observe and study the evolution of its mutations and synthesis with other style and the rise of an altogether new style. The students should be made aware of art as a human experience. The teachers should be able to expose them to the wide range of artistic impressions, the media and the tools used. The history of Indian art is a long one. Hence the students would be acquainted with brief glimpses of the development of Indian visual art as are required for concept formation. Examples included in the course of study are selected because of their aesthetic qualities and are intended purely as guidelines.

B) Practicals

The purpose of introducing practical exercises in painting is to help and enable the Students:

- To develop skill of using drawing and painting material (surface, tools and equipment, etc.) effectively.
- To sharpen their observation skills through study of common objects and various geometrical and non-geometrical forms found in life and nature.
- To develop their skills to draw and paint these observations.
- To develop an understanding of painting-composition (The use of the elements and the principles of painting-composition).
- To create the forms and the colour schemes in imagination with an ability to express them effectively in drawing and painting.
- To express the different feelings and moods of life and nature in lines, forms and colours.

CLASS-XI (THEORY) (2022-23)
(Code No. 049)

One Theory Paper
Unit wise Weightage

30 Marks
Time: 2 Hours

Units		Periods	Marks
History of Indian Art			
1	Pre-Historic rock paintings and art of Indus Valley	24	10
2	Buddhist, Jain and Hindu Art	24	10
3	Temple Sculptures, Bronzes and Artistic aspects of Indo-Islamic architecture	24	10
		72	30

Unit	Content	24 Periods
1.	A. Pre-Historic Rock-Paintings Introduction 1) Period and Location 2) Study and appreciation of following Pre-historic paintings: i. Wizard's Dance, Bhimbethaka	
	B. Introduction 1) Period and Location. 2) Extension: In about 1500 miles. i. Harappa & Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India)	
2	Study and appreciation of following: Sculptures and Terra cottas: i. Dancing girl (Mohenjo-daro) Bronze, 10.5 x 5 x 2.5 cm. Circa 2500 B.C. (Collection: National Museum, New Delhi). ii. Male Torso(Harappa) Red lime Stone, 9.2 x 5.8 x 3 cms. Circa 2500 B.C. (Collection: National Museum, New Delhi) iii. Mother Goddess (Mohenjo-daro) terracotta, 22 x 8 x 5 c Circa 2500 B.C. (Collection: National Museum, New Delhi).	
3	Study and appreciation of following Seal:	
	i. Bull (Mohenjo-daro) Stone (Steatite), 2.5 x 2.5 x 1.4 cm. Circa 2500 B.C. (Collection: National Museum, New Delhi). Decoration on earthen wares: Painted earthen-ware (Jar) Mohenjo-daro (Collection: National Museum, New Delhi).	

Unit 2	Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.)	24 Periods
1.	General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period:	
2.	Study and appreciation of following Sculptures:	
	i. Lion Capital from Sarnath (Mauryan period) Polished sandstone, Circa 3rd Century B.C. (Collection: Sarnath Museum, U.P.)	
	ii. Chauri Bearer from Didar Ganj (Yakshi) (Mauryan period) Polished sandstone Circa 3rd Century B.C.(Collection: Patna Museum, Bihar)	
	iii. Seated Buddha from Katra Mound, Mathura-(Kushan Period-Mathura Style) Red-spotted Sand Stone, Circa 3rd Century AD. (Collection: Govt. Museum, Mathura)	
	iv. Jain Tirathankara (Gupta period) Stone Circa 5th Century A.D. (Collection: State Museum, Lucknow U.P.)	
3.	Introduction to Ajanta Location Period, No of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique etc.	
Unit 3	Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture	24 Periods
(A)	Artistic aspects of Indian Temple sculpture (6 th Century A.D. to 13 th Century A.D.) 1) Introduction to Temple Sculpture (6 th Century A.D. to 13 th Century A.D.) 2) Study and appreciation of following Temple-Sculptures: i. Descent of Ganga (Pallava period, Mahabalipuram, Tamil Nadu), granite rock Circa 7 th Century A.D. ii. Trimuti (Elephanta, Maharashtra) Stone Circa 9 th Century A.D. iii. Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh) Stone Circa 10 th Century A.D. iv. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orrisa) Stone Circa 13 th Century A.D. v. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan) white marble, Circa 13 th Century A.D.	
(B)	Bronzes : 1. Introduction to Indian Bronzes. 2. Method of casting (solid and hollow) 3. Study and appreciation of following South Indian Bronze:	
	i. Nataraj (Chola period Thanjavur Distt.,Tamil Nadu) 12th Century A.D. (Collection : National Museum, New Delhi)	

(C)	Artistic aspects of the indo-Islamic architecture: <ol style="list-style-type: none">1. Introduction2. Study and appreciation of following architecture:<ol style="list-style-type: none">i. Qutub Minar, Delhiii. Gol Gumbad of Bijapur	
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CLASS-XI (2022-23)
(PRACTICAL)

One Practical Paper

70 Marks
Time: 6 Hours (3+3)

Unit wise Weightage

Units	Content	Periods	Marks
1	Nature and Object Study	50	25
2	Painting Composition	50	25
3	Portfolio Assessment	48	20
		148	70

Unit 1: Nature and Object Study

25 Marks 50 Periods

Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. Natural forms like plants, vegetables, fruits and flowers, etc., are to be used. Geometrical forms of objects like cubes, cones, prisms, cylinders and spheres should be used.

Unit 2: Painting Composition

25 Marks 50 Periods

- (i) Simple exercises of basic design in variation of geometric and rhythmic shapes in geometrical and decorative designs and colours to understand designs as organised visual arrangements. 10 Marks 25 Periods
- (ii) Sketches from life and nature 15 Marks 25 Periods

Unit 3: Portfolio Assessment

20 Marks 48 Periods

- (a) Record of the entire years' performance from sketch to finished product. 10 Marks
- (b) Five selected nature and object study exercises in any media done during session including the minimum of two still life exercises. 05 Marks
- (c) One selected work of paintings composition done during the year 03 Marks
- (d) Two selected works of paintings done during the year 02 Marks

These selected works prepared during the course by the candidates and certified by the school authorities as the work done in the school will be placed before the examiners for assessment.

Note:

1. The candidates should be given one hour-break after first three hours.
2. The time-table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

PAINTING (Code No. 049)
CLASS-XII (2022-23)

Theory

Maximum Marks:30

Time allowed: 2 hours

Unit wise Weightage

Time: 2 Hours

Unit1(a)	Content	Periods	Marks
1	The Rajasthani and Pahari Schools of Miniature Painting	24	10
2	The Mughal and Deccan Schools of Miniature Painting	24	10
3	The Bengal School of Painting and the Modern Trends in Indian Art	24	10
		72	30

(a)	The Rajasthani and Pahari Schools of Miniature Painting (16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani, Mughal, Central India, Deccan and Pahari.	18 Periods
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Unit 1

(a) The Rajasthani School:

1. Origin and Development
2. Sub-Schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
3. Main features of the Rajasthani School
4. Appreciation of the following Rajasthani paintings

Title	Painter	Sub-School
Maru-Ragini	Sahibdin	Mewar
Chaugan Players	Dana	Jodhpur
Krishna on swing	Nuruddin	Bikaner
Radha (Bani- Thani)	Nihal Chand	Kishangarh
Bharat Meets Rama at Chitrakuta	Guman	Jaipur

(b)The Pahari School:

1. Origin and development
2. Sub-Schools-Basohli, Guler, Kangra, Chamba and Garhwal
3. Main features of the Pahari School
4. Appreciation of the following Pahari paintings:

Title	Painter	Sub-School
Krishna with Gopis Nand, Yashoda and	Manaku	Basohli
Krishna with Kinsmen Going to Vrindavana	Nainsukh	Kangra

Unit 2

The Mughal and Deccan Schools of Miniature Painting
(16th Century AD to 19th Century A.D.)

18 Periods

(a) The Mughal School

1. Origin and development
2. Main features of the Mughal School
3. Appreciation of the following Mughal Paintings:

Title

Painter

Krishna Lifting Mount Govardhana

Miskin

Falcon on a Bird-Rest

Ustad Mansoor

Kabirand Raidas

Ustad Faquirullah Khan

Marriage Procession of Dara Shukoh

Haji Madni

(b) The Deccan School

1. Origin and development
2. Main features of the Deccan School
3. Appreciation of the following Deccan paintings:

Title	Painter	Sub-School
Hazrat Nizamuddin Auliya and Amir Khusro	Unknown	Hyderabad
Chand Bibi Playing Polo (Chaugan)	Unknown	Gol Konda

Unit 3: (a)	The Bengal School of Painting and the Modern trends in Indian Art (About the beginning to mid of the 20th Century)	24 Periods
(i)	National Flag of India and the Symbolic significance of its forms and the colours.	
(ii)	Introduction to the Bengal School of Painting (i) Origin and development of the Bengal School of Painting (ii) Main features of the Bengal School of Painting	

(iii)	Appreciation of the following paintings of the Bengal school: (i) Journey's End – Abanindranath Tagore (ii) Shiv and Sati- Nandla Bose (iv) Radhika - M.A.R.Chughtai (v) Meghdoot - Ram Gopal Vijaivargiya Contribution of Indian artists in the struggle for National Freedom Movement.	
(b)	The Modern Trends in Indian Art Appreciation of the following contemporary (Modern) Indian Art	
(i)	Paintings: (i) Rama Vanquishing the Pride of the Ocean – Raja Ravi Varma (ii) Mother and child – Jamini Roy (iii) Haldi Grinders - Amrita Sher Gill (iv) Mother Teresa - M.F.Husain	
(ii)	Graphic - prints: (i) Children – Somnath Hore (ii) Devi – Jyoti Bhatt (iii) Of Walls - AnupamSud (iv) Man, Woman and Tree - K. Laxma Goud	
(iii)	Sculptures: (i) Triumph of Labour - D. P. Roychowdhury (ii) Santhal Family - RamkinkarVaij (iii) Cries Un - heard – Amar Nath Sehgal (iv) Ganesha - P.V. Janaki Ram	

The names of artists and titles of their artworks as listed above are only suggestive and in no way exhaustive. Teachers and students should expand this according to their own resources. However, the questions will be set from the above mentioned artworks only.

PAINTING (Code No. 049)
CLASS-XII (2022-23)

Practical

Maximum Marks:70

Time allotted: 6 hours (3+3)
Unitwise Weightage

Unit	Content	Periods	Marks
1	Nature, and Object Study	50	25
2	Painting Composition	50	25
3	Portfolio Assessment	48	20
	Total	148	70

Unit 1	Nature and Object study Studies on the basis of exercises done in class XI with two or three objects and two draperies (in different colours) for background and foreground. Exercises in pencil with light and shade and in full colour from a fixed point of view.	25 marks 50 Periods
Unit 2:	Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colours with colour values.	25 marks 50 Periods
Unit 3:	Portfolio Assessment	20 marks 48 Periods
a)	Record of the entire year's performance from sketch to finished product.	10 marks
b)	Four selected nature and object study exercises in any media done during the session	5 marks
c)	Two selected works of paintings composition done by the candidate during the year	3 marks
d)	One selected works based on any Indian Folk Art (Painting)	2 marks

These selected works prepared during the course by the candidate and certified by the school authorities as the work done in the school will be placed before the examiners for assessment

Note:

1. The candidates should be given one hour-break after first three hours.
2. The time-table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

Guidelines for Evaluation of Practical

1. Marking Scheme:

Part I: Nature and Object Study,	25 marks
(i) Drawing (composition)	10
(ii) Treatment of media/colours	05
(iii) Overall impression	10
Part II: Painting Composition	25 marks
(i) Compositional arrangement including emphasis on the subject	10
(ii) Treatment of media (colour) and appropriate colour scheme	05
(iii) Originality, creativity and overall impression	10

Part III : Portfolio Assessment

20 marks

- | | |
|--|----|
| (i) Record of the entire year's performance from sketch to finished product. | 10 |
| (ii) Four selected nature and object study exercises in any media | 05 |
| (iii) Two selected painting compositions prepared by the candidate | 03 |
| (iv) One selected works based on any Indian Folk Art (Painting) | 02 |

2. Format of the Questions:

Part I: Nature and Object Study

Draw and paint the still-life of a group of objects arranged on a drawing board before you, from a fixed point of view (given to you), on a drawing paper of half imperial size in colours. Your drawing should be proportionate to the size of the paper. The objects should be painted in realistic manner with proper light and shade and perspective, etc. In this study the drawing board is not to be included. Note: A group of objects to be decided by the external and internal examiners jointly as per instructions. The objects for nature study and object study are to be arranged before the candidates.

Part II: Painting Composition:

Make a painting - composition on any of the following five subjects in any medium (water/pastel, tempera, acrylic) of your choice on a drawing-paper of half imperial size either horizontally or vertically. Your composition should be original and effective. Weightage will be given to a well composed drawing, effective use of media, proper emphasis on the subject matter and utilization of full-space.

Note: Any five subjects for painting composition are to be decided by the external and internal examiners jointly as per instructions and are to mentioned here strictly just before the start of the examination for part II.

3. (A) Instructions for the selection of the objects for Nature and Object Study:

1. The examiners (Internal and External) are to select/decide two or three suitable objects in such a way so that natural and geometrical forms may be covered in the group of objects:

- (i) Natural-forms-large size foliage and flowers, fruits, and vegetables, etc.
 - (ii) Geometrical forms made of wood/plastic/paper/metal/earthen, etc., such as cube, cone, prism, cylinder and sphere.
2. Objects should be selected generally of large (suitable) size. 3. An object relating to nature, according to the season and location of the examination centre, must be included in the group of objects. The natural-objects should be purchased/arranged only on the day of the examination so that its freshness may be maintained. 4. Two draperies in different colours (one in dark and other in light tone) are also to be included for background and foreground, keeping in view the colours and tones of the objects.

(A) Instructions to decide the subjects for Painting-Composition:

1. The examiners (Internal and External) are to select/decide five subjects suitable for painting – composition
2. The subjects should be so designed that the candidates may get clear-cut ideas of the subjects and they can exercise their imagination freely, because it is not important what you do, but how you do it.
3. The examiners (Internal and External) jointly are free to select/decide the subjects, but these should be according to the standard of Class XII and environment of the school/candidates.

Some identified areas of the subjects for painting-composition are given below, in which some more areas may also be added:

- (i) Affairs of family friends and daily life.
- (ii) Affairs of family professionals.
- (iii) Games and sports activities.
- (iv) Nature
- (v) Fantasy
- (vi) National, religious, cultural, historical and social events and celebrations.

4. General Instructions to the examiners:

1. Candidates should be given one hour break after first three hours.
2. Work of the candidates, for Parts I, II and III, are to be evaluated on the spot jointly by the external and internal examiners.
3. Each work of Part I, II and III, after assessment is to be marked as "Examined" and duly signed by the external and internal examiners jointly.

B. GRAPHICS (Code No. 050)

Introduction: The Course in Graphics at Senior Secondary stage as an elective subject is aimed to develop aesthetic sense of the students through the understanding of various important, well known aspects and modes of Visual art expression in India's rich cultural heritage from the period of Indus Valley to the present time. It encompasses also a wider range of practical exercises in making of graphic prints for developing their mental faculties of observation, imagination, creation and physical & technical skills.

Objectives

A) Theory

Note: As the syllabus of Graphics (Theory) is the same as that of Painting (Theory), its objectives are same.

B) Practical

The purpose of introducing practical exercises in graphics is to help and enable students to make simple compositions in monochrome and in colours through the various print-making techniques using methods and material specifically prescribed for adequate results. The students should be introduced to the subject by giving a short history of the print making techniques. They should be given exercises to inculcate respect for the tools and apparatus used in the various processes including their maintenance and proper handling.

Graphics Code No. 050
CLASS-XI (2022-23)

Theory

Maximum Marks:30

Time allowed: 2 hours

Unit wise Weightage

Units	Content	Period	Marks
1 a)	Six Limbs of Indian Painting & Fundamental of Visual Arts (Elements & Principles)	24	10
b)	Pre-Historic Rock-Paintings and Art of Indus Valley		
2	Buddhist and Jain and Hindu Art	24	10
3	Temple Sculptures, Bronzes and Artistic aspects of Indo- Islamic Architecture	24	10
	Total	72	30

Note: The Syllabus of Graphics (Theory) for Class XI is the same as that of Painting (Theory) for class XI given earlier.

Graphics Code No. 050

CLASS-XI (2022-23)

Practical

Maximum Marks:70

Time allowed: 6 Hours (3+3)

Unit wise Weightage

Unit	Content	Period	Marks
1	Relief Printing through Linocut/Woodcut/Paper-cardboard	100	50
2	Portfolio Assessment	48	20
Total		148	70

Unit 1:	To make Linocut/Woodcut/Paper-cardboard print on 1/4 Imperial sheet on a given subject Syllabus for Relief Printing (Lonocuts/Woodcuts/Paper-cardboard Prints). 1. Printing methods and materials. 2. Characteristics of printing inks, solvents, and dyes. 3. Registration methods. 4. Simple, colour printing techniques. 5. Finishing and mounting of the print.	100 Periods
Unit 2:	Portfolio Assessment	48 Periods
a)	Record of the entire year's performance from sketch to finished product	10 Marks
b)	Three selected prints (either from Linocuts/Woodcuts/Paper-cardboard prints) from the works prepared during the course	05 marks
c)	Four selected prints based on Indian Folk Art	05 marks

These selected works prepared during the course by the candidate and certified by the school authorities as the work done in the school will be placed before the examiners for assessment

Notes:

1. The candidates should be given one hour break after first three hours.
2. The time-table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

Graphics (Code No. 050)
CLASS-XII (2022-23)

Theory
Time allowed: 2 Hours
Unit wise Weightage

Maximum Marks: 30

Unit		Period	Marks
1 (a)	Six Limbs of Indian Painting & Fundamental of Visual Arts (Elements & Principles)		
(b)	The Rajasthani and Pahari Schools of Miniature Painting	24	10
2	The Mughal and Deccan schools of Miniature Painting	24	10
3	The Bengal School of Painting and the Modern Trends in Indian Art	24	10
		72	30

Note: The Syllabus of Graphics (Theory) for Class XII is the same as that of Painting (Theory) for class XII given earlier.

Graphics Code No. 050

CLASS-XII (2022-23)

Practical
Time allowed: 6 hours.
Unit wise Weightage

Maximum Marks:70

Unit	Content	Period	Marks
1	Making of graphic-print through Serigraphy/Lithography/Etching and Engraving (Intaglio Process) techniques	100	50
2	Portfolio Assessment	48	20
	Total	148	60

Note: The students in the class are expected to opt for any one of the following media depending upon the facilities available in their schools.

S.No.	Units	Periods
1 a)	Serigraphy 1. The history of stencils and silkscreen. 2. Methods and materials. 3. The use and maintenance of the squeeze. 4. Sealing, registration for colour, work and preparation for printing. 5. Solvents for cleaning, use and characteristics of printing inks. 6. Finishing and mounting of the print.	120 Periods
	OR	
b)	Lithography 1. Introduction: Short history and the methods and material used in producing lithographic prints 2. The use and characteristics of the Litho stone/Zincplates. 3. The use of lithographic chalks and ink (Tusche). 4. Preparing for printing and use of various chemicals inking and taking proofs. 5. Papers used in lithography and getting the final print. 6. Finishing and mounting of the print.	100 Periods
	OR	
C)	Etching and Engraving (Intaglio Process) 1. Introduction to intaglio technique with a short history, methods and materials, Etching process. 2. Preparing the plate and laying the ground (resist) and Inking. 3. Characteristics of different types of grounds. 4. Characteristics and use of various acids. 5. Colour etching, use of stencils and marks.	120 Periods

GUIDELINES FOR EVALUATION OF PRACTICAL

1. Marking Scheme:

Part I: Graphic-Composition (print making)	50 marks
(i) Emphasis on the subject	10
(ii) Handling on the material and technique of print-making	10
(iii) Composition and quality of print	30
Part II: Portfolio Assessment	20 marks
(a) Record of the entire year's performance from sketch to finished product.	10
(b) Five selected Prints	10
(c) Five selected prints based on Indian Folk Art – Lino-cut/Wood-cut/paper-card based prints	

2. Format of the questions:

These selected works prepared during the course by the candidates and certified by the school authorities as the work done in the school will be placed before the examiners for assessment.

Part I: Graphic Composition (print-making)	50 marks
<ul style="list-style-type: none">Choose one of the print-making medium available and taught in your school viz. serigraphy, lithography, etching and engraving.Make a Graphic-Composition on any one of the five subjects given below according to the possibility and suitability of the medium:(Note: Any five suitable subjects for “Graphic-Composition (Print-making)” are to be decided by the internal and external examiners jointly in accordance with the instructions are to be mentioned here).Make use of line, tone and texture, exploiting the medium fully to realize composition. Print your composition in one or two colours.Pay special attention to print quality and cleanliness. Submit two identical prints along with all the rough layouts as your final submission.	
Size of the plate:	
(i) Serigraphy	30 cm x 20cm.
(ii) Lithography	30 cm x 20cm.
(iii) Etching & engraving	30 cm x 20cm.

Instructions to decide the subjects for Graphic –Composition:

- The external and internal examiners jointly are to select/decide five subjects suitable for Graphic Composition(print-making).
- Each subject should be so designed that the candidate may get a clear-cut idea of the subject however, any candidate can perceive a subject in his/her own way but graphic quality must be maintained in the composition.
- The examiners are free to select/decide the subjects, but these should be according to the standard of class XII and environment of the school/candidates.

Some identified areas of the subjects for Graphic-Composition (Print-making) are given below in which some more areas may be added, if needed:

- (i) Affairs of family, friends and daily life.
- (ii) Affairs of family professionals.
- (iii) Games & Sports Activities.
- (iv) Nature.
- (v) Fantasy.
- (vi) National, religious and cultural, historical and social events and celebrations.
- (vii) Historical monuments
- (viii) Folk and classical dances/theatres
- (ix) Traditional/ancient sculpture and painting
- (x) Relevant social issues

4. Instructions to the examiners:

1. Candidates should be given one hour break after first three hours.
2. Work of the candidates for part I & II is to be evaluated on the spot by the external and internal examiners jointly
3. Each work of parts I & II, after assessment, is to be marked as examined and duly signed by the external and internal examiners.

(C)

SCULPTURE (Code No.051)

Introduction

The Course in sculpture at Senior Secondary stage as an elective subject is aimed at developing aesthetic sense of the students through the understanding of various important, well known aspects and modes of visual art expression in India's rich cultural heritage from the period of Indus Valley to the present time. It encompasses also a wide range of practical exercises in making of various sculptures for developing their mental faculties of observation, imagination and creation and the physical and technical skills.

Objectives:

A) THEORY

Note: As the syllabus of Sculpture (Theory) is the same as that of Painting (Theory), its objectives re same.

B) PRACTICAL

The purpose of introducing practical exercises in sculpture is to help and enable the students to make sculptures. All assignments should be designed to understand problems of volume, weight, play of form in space, etc., as against rendering on flat two dimensional. Adequate technical skills may be provided depending on the facilities available.

Sculpture Code No. 051

CLASS-XI (2022-23)

Theory

Maximum Marks:30

Time allowed: 2 Hours

Unit wise weightage

Unit		Periods	Marks
1 a)	Six Limbs of Indian Painting & Fundamental of Visual Arts (Elements & Principles)	24	10
b)	Pre-Historic Rock-Painting and Art of Indus Valley		
2	Buddhist, Jain and Hindu Art	24	10
3	Temple Sculptures, Bronzes and Artistic aspects of Indo-Islamic Architecture	24	10
	Total	72	30

Note: The Syllabus of Sculpture (Theory) for Class XI is the same as that of Painting (Theory) for Class XI given earlier.

Sculpture (Code No. 051)
CLASS–XI (2022-23)

Practical

Maximum Marks:70

Time allowed: 6 hours

Unit wise Weightage

Unit	Content	Periods	Marks
1	Modeling in Relief (in clay or plaster of Paris)	50	20
2	Modeling in Round (in clay or plaster of Paris)	50	20
3	Portfolio Assessment	48	20
	Total	148	60

Unit 1:	Modeling in relief on given subjects from life and nature	50 Periods
Unit 2:	Modeling in round on given subjects from life and nature. Handling of clay and its techniques, pinching, coiling, rolling, etc.	50 Periods
Unit 3:	Portfolio Assessment	48 Periods
a	Record the entire year's performance from sketch to finished product	10 marks
b	Four selected pieces of works prepared during the course by the candidate	5 marks
c	Three selected pieces based on Indian Folk Art (Sculpture – Round or Relief)	5 marks

The selected pieces prepared during the course by the candidate and certified by school authorities as works executed in the school are to be placed before the examiners for assessment.

- Use of clay composition in hollow for baking.
- Modelling of simplified human figures, birds, animals and plants in relief and round. Geometrical shapes like cube, cone, cylinder, etc., and their composition in relief as an exercise 10 marks in design study of textures. Use of plaster of Paris.

Note:

1. The candidate should be given one hour break after first three hours.
2. The time table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

Sculpture (Code No . 051)
Class XII (2022-23)

Theory

Maximum Marks:30

Time allowed: 2 Hours

Unit wise weightage

Unit		Period	Marks
1 a)	Six Limbs of Indian Art Painting & Fundamental of Visual Arts (Elements & Principles)	24	10
b)	The Rajasthani and Pahari Schools of Miniature Painting		
2	The Mughal and Deccan Schools of Miniature Painting	24	10
3	The Bengal School of Painting and the Modern Trends in Indian Art	24	10
	Total	72	30

Note: The Syllabus of Sculpture (Theory) for Class XII is the same as that of Painting (Theory) for Class XII given earlier.

Sculpture (Code No . 051)
Class XII (2022-23)

Practical
Time allowed: 6 hours. (3+3)
Unit wise Weightage

Maximum Marks:70

Unit	Content	Period	Marks
1	Modeling in Relief (Clay and plaster of Paris)	50	25
2	Modeling in Round (clay and plaster of Paris)	50	25
3	Portfolio Assessment	48	25
	Total	148	70

Unit 1: Modeling in relief* **50Pds**

Unit 2: Modeling in round* **50Pds**

Unit 3: Portfolio Assessment **48Pds**

a) Record of the entire year's performance from sketch to finished product. Four pieces of work prepared during the course selected by the candidate. 10 Marks

b) One selected piece based on Indian folk Art (Sculpture- Round or Relief) 10 Marks

* Use of clay composition in hollow for baking.

* Modelling of simplified human figures, birds, animals and plants in relief and round. Geometrical shapes like cube, cone, cylinder, etc., and their composition in relief as an exercise in design study of textures. Use of plaster of Paris.

The selected pieces prepared during the course by the candidate and certified by school authorities as works executed in the school are to be placed before the examiners for assessment.

Note:

1. The candidate should be given one hour break after first three hours.
2. The time table to be so framed as to allow the students to work continuously for minimum of two Periods at a stretch.

GUIDELINES FOR EVALUATION OF PRACTICAL

1. Marking Scheme:

Part I: Modeling in Relief		
(i) Composition including emphasis on the subject	10	
(ii) Handling of media	05	25 Marks
(iii) Creative approach and overall impression	10	
Part II: Modeling in Round		
(i) Composition including emphasis on the subject	10	
(ii) Handling of media	05	25 Marks
(iii) Creative approach and overall impression	10	
Part III: Portfolio Assessment		
(a) Record of the entire year's performance from sketch to finished product.	10	
(b) Three works of sculpture consisting of:	10	
(i) One sculpture in relief (High Relief)	2.5	20 Marks
(ii) One sculpture in relief (Low Relief)		
(c) One Sculpture in round	05	
(d) One selected works of sculpture based on any Indian Folk Art (Sculpture)	05	

These selected works prepared describe the course by the candidates and certified by the school authorities the work done in the school will be placed before the examiners for assessment.

2. Format of the questions: Part I: Modelling in Relief:

Make a sculpture in Relief (low/high) on any one of the following five subjects. The size should be within 25 to 30 cm. (horizontally or vertically) and about 4 cm. in thickness from the board.

(Note: Any five suitable subjects for "Modeling in Relief" are to be decided by the external and internal examiners jointly in accordance with the instructions and are to be mentioned here).

Part II: Modeling in Round:

Prepare a sculpture in round, in clay medium, on any one of the following five subjects. The height should be within 25 to 30 cm, horizontally or vertically.

Note: Any five suitable subjects for "Modelling in Round" are to be decided in accordance with the instructions and are to be mentioned here strictly just before the start of the examination for Part II.

3. Instructions to decide the subjects for Modeling in Relief and Round:

The examiners (Internal and External) are to select/decide five subjects suitable for modeling in relief and five subjects for modeling in round. The subjects for "Modelling in Round" are to be conveyed to the candidates strictly just before the start of the examination for Part II.

1. Each subject should be so designed that the candidate may get a clear-cut idea of the subject, however, a candidate can perceive a subject in his/her own way. Distortion of human/animal forms may be allowed.
2. Choice of high or low relief should remain open to the candidates.
3. The examiners (Internal and External) are free to decide the subjects but they should be according to the standard of class XII and environment of the school/candidates. Some identified areas of the subjects for Modeling in Relief are given below in which some more areas may also be included:
 - (i) Nature Study;
 - (ii) Design, natural, decorative, stylized and geometrical:
 - (iii) Family, friends and daily life;
 - (iv) Birds and animals;
 - (v) Games and sports activities;
 - (vi) Religious, social and personal activities;
 - (vii) Cultural activities;
 - (viii) Ideas - Personal, social, local, provincial, national and international.

4. General instructions to the examiners:

1. Candidates should be given one hour break after first three hours.
2. Work of the candidates of Parts I, II and III, is to be evaluated on the spot by the external and internal examiners jointly.
3. Each work of Parts I, II and III, after assessment, is to be marked as examined and duly signed by the external and internal examiners.
4. Finishing and mounting of the prints.

Unit 2: Record of the entire year's performance from sketch to finished product

10 marks

- a) Three selected prints prepared during the course by the candidate and certified by the school authorities as works done in the school and to be placed before the external examiner for assessment.

Note: The time table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

(D)

APPLIED ART (COMMERCIAL ART)
(Code No.052)

Introduction

The course in Applied Art (Commercial Art) at Senior Secondary stage as an elective subject is aimed to develop aesthetic sense of the students through the understanding to various important, well known aspects and modes of visual art expression in India's rich cultural heritage from the period of Indus Valley to the present time. It encompasses also a wide range of practical exercises in commercial art for developing their mental faculties of observation, imagination, creation and physical and technical skills.

Objectives

A) THEORY

Notes: As the syllabus of Applied Art-Commercial Art (Theory) is the same as that of Painting (Theory), its objectives are same.

B) PRACTICAL: The purpose of introducing practical exercises in Applied Art (Commercial Art) is to help and enable the students to develop professional competence in making Model Drawing Lettering, layout preparation and poster so that they can link their lives with productivity.

APPLIED ART (COMMERCIAL ART)
(Code No. 052)
CLASS–XI (2022-23)

Theory
Time allowed: 2 Hours

Maximum Marks:30

Unit		Period	Marks
1 (a)	Six Limbs of Indian Art Painting & Fundamental of Visual Arts (Elements & Principles)		
(b)	Pre-Historic Rock-Paintings and Art of Indus Valley	12	10
2	Buddhist, Jain and Hindu Art	24	10
3	Temple Sculpture Bronze and Artistic aspects of Indo- Islamic Architecture	36	10
	Total	72	30

Note: The Syllabus of Applied Art-Commercial Art (Theory) for Class XI is the same as that of Painting (Theory) for Class XI given earlier.

APPLIED ART -COMMERCIAL ART (PRACTICALS)
(Code No. 052)
CLASS-XI (2022-23)

Practical

Maximum Marks:70

Time allowed: 6 hours. (3+3)

Unit		Period	Marks
1	Drawing	50	25
2	Lettering and layout	50	25
3	Portfolio Assessment	48	20
	Total	148	70

Unit 1	Drawing Drawing from Still-Life and Nature, medium-pencil monochrome/colour.		50 Pds.
Unit 2	(a) Lettering Study of lettering of Roman and Devnagri Scripts identification of some type-faces and their sizes		50 Pds.
	(b) Layout Making a simple layout with lettering as the main component.		
Unit 3	Portfolio Assessment (a) Record of entire year's performance from sketch to finished product	10 Marks	48 Pds.
	(b) Four selected drawings in any media done during	05 Marks	
	(c) Two selected works in chosen subject done during the year.	02 Marks	
	(d) Two selected works based on Indian Folk Art	03 Marks	

These selected works prepared during the course by the candidates and certified by the school authorities the work done in the school will be placed before the examiners for assessment.

Notes:

1. The candidate should be given one hour break after first three hours.
2. The time table to be so framed as to allow the students to work continuously for minimum of periods at a stretch.

APPLIED ART -COMMERCIAL ART (Code No. 052)
CLASS–XII (2022-23)

Theory

Maximum Marks: 30

Time: 2 Hour Unit wise Weightage

Unit		Period	Marks
1 a	Six Limbs of Indian Art Painting & Fundamental of Visual Arts (Elements & Principles)		
b	The Rajasthani and Pahari Schools of Miniature Painting	24	10
2	The Mughal and Deccan Schools of Miniature Painting	24	10
3	The Bengal School of Painting and the Modern Trends in Indian Art	24	10
	Total	72	30

Note: The Syllabus of Applied Art-Commercial Art (Theory) for Class XII is the same as that of Painting (Theory) for Class XII given earlier.

APPLIED ART -COMMERCIAL ART (Code No. 052)
CLASS-XII (2022-23)

Practical
Time allowed: 6 hours. (3+3)

Maximum Marks:70

Unit		Period	Marks
1	Illustration	50	25
2	Poster	50	25
3	Portfolio Assessment	48	20
	Total	148	70

Unit 1	Illustration Study of techniques of illustration on given subjects and simple situations supported by drawing from life and outdoor sketching in different media suitable for printing.	25 marks 50 Periods
Unit 2	Poster Making a poster with specified data and slogan on a given subject in two or three colours.	25 marks 50 Periods
Unit 3	Portfolio Assessment (a) Record of the entire years performance from sketch to finished product. (b) Four selected drawings in any media done during the year including minimum of two illustrations (c) Two selected posters in chosen subject. (d) Two selected works based on Indian Folk Art	20 marks 48 Periods 10 05 03 02

These selected works proposed during the course by the candidates and certified by the school authorities the works done in the school will be placed before the examiners for assessment.

Note: The time table to be so framed as to allow the students to work continuously for minimum of two periods at a stretch.

**Guidelines for Evaluation of Practical
Marking Scheme:**

PartI: Illustrations

25 Marks

(i) Composition including quality of drawing	10
(ii) Emphasis on the subject with a specific situation	05
(iii) Reproducing quality and overall impression	10

PartII: Poster

25 Marks

(i) Layout and Lettering	10
(ii) Emphasis on the subject	05
(iii) Proper colour scheme, overall impression and reproducing quality	10

Part III: Portfolio Assessment

25 Marks

- | | |
|---|----|
| (a) Record of the entire year's performance from sketch to finished product. | 10 |
| (b) Five selected drawings in any media including minimum of two illustrations. | 05 |
| (c) Two selected posters in chosen subjects. | 10 |
| (d) Two selected works based on Indian Folk Art | |

1. Format of the questions:

Part: Illustration

Make an illustration in black and white in any colour media on any one of the following five subjects with a specific situation.

Size of the illustration: 30 cm x 22 cm.

Note: Any five suitable subjects or illustration, decided by the external and internal examiners jointly in accordance with the instructions are to be mentioned here.

Part II: Poster

Prepare a poster-design with specified data and slogan in English/Hindi/Regional language, in three flat colours, on any one of the following five subjects. The designing of the poster should have balanced use of typography and illustration.

Size of the Poster-design: 1/2 imp size.

3. A) Instructions to decide the subjects for illustration:

1. The examiners (Internal and External) are to select/decide five suitable subjects.
2. Each subject should be given a specific situation, which is a main characteristic of an illustration.
3. Each subject should be so designed that the candidate may get a clear-cut idea of the subject and they can illustrate a specific situation based on given subject are as.
4. The examiners (Internal and External) are free to decide the subjects but these should be according to the standard of the class XII and environment of the school/candidates.

Some identified areas of the subjects for illustration are given below, in which some more areas may be added if needed.

Subject with a specific situation:

- (i) Family and friends in daily life.
- (ii) Professionals/professions.
- (iii) Games and sports.
- (iv) Nature.
- (v) National events and celebrations.
- (vi) Religious events and festivals.
- (vii) Culture-Dance, Drama, Music and Art.

B) Instructions to decide the subjects for Poster-design:

1. The examiners (Internal and External) are to select/decide five subjects suitable for poster design.
2. Each subject should be given a specified data and slogan.
3. The data and slogan should be so framed/designed that the candidates may get a clear-cut idea of the subject.
4. The examiners (Internal and External) must give the subjects data and slogan according to the standard of Class XII and environment of the school/candidates.

Some identified areas for poster-design are given below, in which some more areas/subjects may be added.

1. For Advertise Mention:

- (i) Excursion/Tourism
- (ii) Cultural activities
- (iii) Community and nature development
- (iv) Ideas-Social, national and international
- (v) Commercial products

2. Instructions to the examiners:

1. Candidates should be given one hour break after first three hours.
2. Work of the candidates for Parts I, II and III is to be evaluated on the spot by the and internal examiners jointly.
3. Each work of parts I, II and III, after assessment, is to be marked as examined and signed by the external and internal examine.

हिंदी (आधार) (कोड सं.- 302) कक्षा 11वीं-12वीं (2022 -23)

प्रस्तावना :

दसवीं कक्षा तक हिंदी का अध्ययन करने वाला शिक्षार्थी समझते हुए पढ़ने व सुनने के साथ-साथ हिंदी में सोचने और उसे मौखिक एवं लिखित रूप में व्यक्त कर पाने की सामान्य दक्षता अर्जित कर चुका होता है। उच्चतर माध्यमिक स्तर पर आने के बाद इन सभी दक्षताओं को सामान्य से ऊपर उस स्तर तक ले जाने की आवश्यकता होती है, जहाँ भाषा का प्रयोग भिन्न-भिन्न व्यवहार-क्षेत्रों की मांगों के अनुरूप किया जा सके। आधार पाठ्यक्रम, साहित्यिक बोध के साथ-साथ भाषाई दक्षता के विकास को ज्यादा महत्त्व देता है। यह पाठ्यक्रम उन शिक्षार्थियों के लिए उपयोगी साबित होगा, जो आगे विश्वविद्यालय में अध्ययन करते हुए हिंदी को एक विषय के रूप में पढ़ेंगे या विज्ञान/सामाजिक विज्ञान के किसी विषय को हिंदी माध्यम से पढ़ना चाहेंगे। यह उनके लिए भी उपयोगी साबित होगा, जो उच्चतर माध्यमिक स्तर की शिक्षा के बाद किसी तरह के रोजगार में लग जाएंगे। वहाँ कामकाजी हिंदी का आधारभूत अध्ययन काम आएगा। जिन शिक्षार्थियों की रुचि जनसंचार माध्यमों में होगी, उनके लिए यह पाठ्यक्रम एक आरंभिक पृष्ठभूमि निर्मित करेगा। इसके साथ ही यह पाठ्यक्रम सामान्य रूप से तरह-तरह के साहित्य के साथ शिक्षार्थियों के संबंध को सहज बनाएगा। शिक्षार्थी भाषिक अभिव्यक्ति के सूक्ष्म एवं जटिल रूपों से परिचित हो सकेंगे। वे यथार्थ को अपने विचारों में व्यवस्थित करने के साधन के तौर पर भाषा का अधिक सार्थक उपयोग कर पाएँगे और उनमें जीवन के प्रति मानवीय संवेदना एवं सम्यक् दृष्टि का विकास हो सकेगा।

राष्ट्रीय पाठ्यचर्या की रूपरेखा, नई शिक्षा नीति 2020 तथा केंद्रीय माध्यमिक शिक्षा बोर्ड द्वारा समय-समय पर दक्षता आधारित शिक्षा, कला समेकित अधिगम, अनुभवात्मक अधिगम को अपनाने की प्रेरणा दी गई है जो शिक्षार्थियों की प्रतिभा को उजागर करने, खेल-खेल में सीखने पर बल देने, आनंदपूर्ण ज्ञानार्जन और विद्यार्जन के विविध तरीकों को अपनाने तथा अनुभव के द्वारा सीखने पर बल देती है।

दक्षता आधारित शिक्षा से तात्पर्य है सीखने और मूल्यांकन करने का एक ऐसा दृष्टिकोण जो शिक्षार्थी के सीखने के प्रतिफल और विषय में विशेष दक्षता को प्राप्त करने पर बल देता है। दक्षता वह क्षमता, कौशल, ज्ञान और दृष्टिकोण है जो व्यक्ति को वास्तविक जीवन में कार्य करने में सहायता करता है। इससे शिक्षार्थी यह सीख सकते हैं कि ज्ञान और कौशल को किस प्रकार प्राप्त किया जाए तथा उन्हें वास्तविक जीवन की समस्याओं पर कैसे लागू किया जाए। प्रत्येक विषय, प्रत्येक पाठ को जीवनोपयोगी बनाकर प्रयोग में लाना ही दक्षता आधारित शिक्षा है। इसके लिए उच्च स्तरीय चिंतन कौशल पर विशेष बल देने की आवश्यकता है।

कला समेकित अधिगम को शिक्षण-अधिगम प्रक्रिया में सुनिश्चित करना अत्यधिक आवश्यक है। कला के संसार में कल्पना की एक अलग ही उड़ान होती है। कला एक व्यक्ति की रचनात्मक अभिव्यक्ति है। कला समेकित अधिगम से तात्पर्य है कला के विविध रूपों संगीत, नृत्य, नाटक, कविता, रंगशाला, यात्रा, मूर्तिकला, आभूषण बनाना, गीत लिखना, नुक्कड़ नाटक, कोलाज, पोस्टर, कला प्रदर्शनी को शिक्षण अधिगम की प्रक्रिया का अभिन्न हिस्सा बनाना। किसी विषय को आरंभ करने के लिए आइस ब्रेकिंग गतिविधि के रूप में तथा सामंजस्यपूर्ण समझ पैदा करने के लिए अंतरविषयक या बहुविषयक परियोजनाओं के रूप में कला समेकित अधिगम का प्रयोग किया जाना चाहिए। इससे पाठ अधिक रोचक एवं ग्राह्य हो जाएगा।

अनुभवात्मक अधिगम या आनुभविक ज्ञानार्जन का उद्देश्य शैक्षिक वातावरण को शिक्षार्थी केंद्रित बनाने के साथ-साथ स्वयं मूल्यांकन करने, आलोचनात्मक रूप से सोचने, निर्णय लेने तथा ज्ञान का निर्माण कर उसमें पारंगत होने से है। यहाँ शिक्षक की भूमिका मार्गदर्शक की रहती है। ज्ञानार्जन अनुभव सहयोगात्मक अथवा स्वतंत्र

होता है और यह शिक्षार्थी को एक साथ कार्य करने तथा स्वयं के अनुभव द्वारा सीखने पर बल देता है। यह सिद्धांत और व्यवहार के बीच की दूरी को कम करता है।

इस पाठ्यक्रम के अध्ययन से:

1. शिक्षार्थी अपनी रुचि और आवश्यकता के अनुरूप साहित्य का गहन और विशेष अध्ययन जारी रख सकेंगे।
2. विश्वविद्यालय स्तर पर निर्धारित हिंदी-साहित्य से संबंधित पाठ्यक्रम के साथ सहज संबंध स्थापित कर सकेंगे।
3. लेखन-कौशल के व्यावहारिक और सृजनात्मक रूपों की अभिव्यक्ति में सक्षम हो सकेंगे।
4. रोजगार के किसी भी क्षेत्र में जाने पर भाषा का प्रयोग प्रभावी ढंग से कर सकेंगे।
5. यह पाठ्यक्रम शिक्षार्थी को जनसंचार तथा प्रकाशन जैसे विभिन्न-क्षेत्रों में अपनी क्षमता व्यक्त करने का अवसर प्रदान कर सकता है।
6. शिक्षार्थी दो भिन्न पाठों की पाठ्यवस्तु पर चिंतन करके उनके मध्य की संबद्धता पर अपने विचार अभिव्यक्त करने में सक्षम हो सकेंगे।
7. शिक्षार्थी रटे-रटाए वाक्यों के स्थान पर अभिव्यक्तिपरक/ स्थिति आधारित/ उच्च चिंतन क्षमता प्रश्नों पर सहजता से अपने विचार प्रकट कर सकेंगे।

उद्देश्य :

- संप्रेषण के माध्यम और विधाओं के लिए उपयुक्त भाषा प्रयोग की इतनी क्षमता उनमें आ चुकी होगी कि वे स्वयं इससे जुड़े उच्चतर पाठ्यक्रमों को समझ सकेंगे।
- भाषा के अंदर सक्रिय सत्ता संबंध की समझ।
- सृजनात्मक साहित्य की समझ और आलोचनात्मक दृष्टि का विकास।
- शिक्षार्थियों के भीतर सभी प्रकार की विविधताओं (धर्म, जाति, लिंग, क्षेत्र एवं भाषा संबंधी) के प्रति सकारात्मक एवं विवेकपूर्ण रवैये का विकास।
- पठन-सामग्री को भिन्न-भिन्न कोणों से अलग-अलग सामाजिक, सांस्कृतिक चिंताओं के परिप्रेक्ष्य में देखने का अभ्यास करवाना तथा आलोचनात्मक दृष्टि का विकास करना।
- शिक्षार्थी में स्तरीय साहित्य की समझ और उसका आनंद उठाने की क्षमता तथा साहित्य को श्रेष्ठ बनाने वाले तत्वों की संवेदना का विकास।
- विभिन्न ज्ञानानु शासनों के विमर्श की भाषा के रूप में हिंदी की विशिष्ट प्रकृति और उसकी क्षमताओं का बोध।
- कामकाजी हिंदी के उपयोग के कौशल का विकास।
- जनसंचार माध्यमों (प्रिंट और इलेक्ट्रॉनिक) में प्रयुक्त हिंदी की प्रकृति से परिचय और इन माध्यमों की आवश्यकता के अनुरूप मौखिक एवं लिखित अभिव्यक्ति का विकास।
- शिक्षार्थी में किसी भी अपरिचित विषय से संबंधित प्रासंगिक जानकारी के स्रोतों का अनुसंधान और व्यवस्थित ढंग से उनकी मौखिक और लिखित प्रस्तुति की क्षमता का विकास।

शिक्षण-युक्तियाँ

- कुछ बातें इस स्तर पर हिंदी शिक्षण के लक्ष्यों के संदर्भ में सामान्य रूप से कही जा सकती हैं। एक तो यह है कि कक्षा में दबाव एवं तनाव मुक्त माहौल होने की स्थिति में ही ये लक्ष्य हासिल किए जा सकते हैं। चूँकि इस पाठ्यक्रम में तैयारशुदा उत्तरों को कंठस्थ कर लेने की कोई अपेक्षा नहीं है, इसलिए विषय को समझने और उस समझ के आधार पर उत्तर को शब्दबद्ध करने की योग्यता विकसित करना ही शिक्षक का काम है। इस योग्यता के विकास के लिए कक्षा में शिक्षार्थियों और शिक्षिका के बीच निर्बाध

संवाद जरूरी है। शिक्षार्थी अपनी शंकाओं और उलझनों को जितना ही अधिक व्यक्त करेंगे, उतनी ही ज्यादा स्पष्टता उनमें आ पाएगी।

- भाषा की कक्षा से समाज में मौजूद विभिन्न प्रकार के द्वंद्वों पर बातचीत का मंच बनाना चाहिए। उदाहरण के लिए संविधान में किसी शब्द विशेष के प्रयोग पर निषेध को चर्चा का विषय बनाया जा सकता है। यह समझ जरूरी है कि शिक्षार्थियों को सिर्फ सकारात्मक पाठ देने से काम नहीं चलेगा बल्कि उन्हें समझाकर भाषिक यथार्थ का सीधे सामना करवाने वाले पाठों से परिचय होना जरूरी है।
- शंकाओं और उलझनों को रखने के अलावा भी कक्षा में शिक्षार्थियों को अधिक-से-अधिक बोलने के लिए प्रेरित किया जाना जरूरी है। उन्हें यह अहसास कराया जाना चाहिए कि वे पठित सामग्री पर राय देने का अधिकार और ज्ञान रखते हैं। उनकी राय को प्राथमिकता देने और उसे बेहतर तरीके से पुनः प्रस्तुत करने की अध्यापकीय शैली यहाँ बहुत उपयोगी होगी।
- शिक्षार्थियों को संवाद में शामिल करने के लिए यह भी जरूरी होगा कि उन्हें एक नामहीन समूह न मानकर अलग-अलग व्यक्तियों के रूप में अहमियत दी जाए। शिक्षकों को अक्सर एक कुशल संयोजक की भूमिका में स्वयं देखना होगा, जो किसी भी इच्छुक व्यक्ति को संवाद का भागीदार बनने से वंचित नहीं रखते, उसके कच्चे-पक्के वक्तव्य को मानक भाषा-शैली में ढाल कर उसे एक आभा दे देते हैं और मौन को अभिव्यंजना मान बैठे लोगों को मुखर होने पर बाध्य कर देते हैं।
- अप्रत्याशित विषयों पर चिंतन तथा उसकी मौखिक व लिखित अभिव्यक्ति की योग्यता का विकास शिक्षकों के सचेत प्रयास से ही संभव है। इसके लिए शिक्षकों को एक निश्चित अंतराल पर नए-नए विषय प्रस्तावित कर उन पर लिखने तथा संभाषण करने के लिए पूरी कक्षा को प्रेरित करना होगा। यह अभ्यास ऐसा है, जिसमें विषयों की कोई सीमा तय नहीं की जा सकती। विषय की असीम संभावना के बीच शिक्षक यह सुनिश्चित कर सकते हैं कि उसके शिक्षार्थी किसी निबंध-संकलन या कुंजी से तैयारशुदा सामग्री को उतार भर न ले। तैयार शुदा सामग्री के लोभ से, बाध्यतावश ही सही मुक्ति पाकर शिक्षार्थी नये तरीके से सोचने और उसे शब्दबद्ध करने के लिए तैयार होंगे। मौखिक अभिव्यक्ति पर भी विशेष ध्यान देने की जरूरत है, क्योंकि भविष्य में साक्षात्कार, संगोष्ठी जैसे मौकों पर यही योग्यता शिक्षार्थी के काम आती है। इसके अभ्यास के सिलसिले में शिक्षकों को उचित हावभाव, मानक उच्चारण, पॉज, बलाघात, हाजिरजवाबी इत्यादि पर खास बल देना होगा।
- काव्य की भाषा के मर्म से शिक्षार्थी का परिचय कराने के लिए जरूरी होगा कि किताबों में आए काव्यांशों की लयबद्ध प्रस्तुतियों के ऑडियो-वीडियो कैसेट तैयार किए जाएँ। अगर आसानी से कोई गायक/गायिका मिले तो कक्षा में मध्यकालीन साहित्य के शिक्षण में उससे मदद ली जानी चाहिए।
- एन सी ई आर टी, शिक्षा मंत्रालय के विभिन्न संगठनों तथा स्वतंत्र निर्माताओं द्वारा उपलब्ध कराए गए कार्यक्रम/ ई-सामग्री, वृत्तचित्रों और सिनेमा को शिक्षण सामग्री के तौर पर इस्तेमाल करने की जरूरत है। इनके प्रदर्शन के क्रम में इन पर लगातार बातचीत के जरिए सिनेमा के माध्यम से भाषा के प्रयोग की विशिष्टता की पहचान कराई जा सकती है और हिंदी की अलग-अलग छटा दिखाई जा सकती है। शिक्षार्थियों को स्तरीय परीक्षा करने को भी कहा जा सकता है।
- कक्षा में सिर्फ एक पाठ्यपुस्तक की उपस्थिति से बेहतर यह है कि शिक्षक के हाथ में तरह-तरह की पाठ्यसामग्री को शिक्षार्थी देख सकें और शिक्षक उनका कक्षा में अलग-अलग मौकों पर इस्तेमाल कर सकें।
- भाषा लगातार ग्रहण करने की क्रिया में बनती है, इसे प्रदर्शित करने का एक तरीका यह भी है कि शिक्षक खुद यह सिखा सकें कि वे भी शब्दकोश, साहित्यकोश, संदर्भग्रंथ की लगातार मदद ले रहे हैं। इससे शिक्षार्थियों में इसका इस्तेमाल करने को लेकर तत्परता बढ़ेगी। अनुमान के आधार पर निकटतम अर्थ तक पहुँचकर संतुष्ट होने की जगह वे सही अर्थ की खोज करने के लिए प्रेरित होंगे। इससे शब्दों की अलग-अलग रंगत का पता चलेगा और उनमें संवेदनशीलता बढ़ेगी। वे शब्दों के बारीक अंतर के प्रति और सजग हो पाएँगे।

- कक्षा-अध्यापन के पूरक कार्य के रूप में सेमिनार, ट्यूटोरियल कार्य, समस्या-समाधान कार्य, समूहचर्चा, परियोजनाकार्य, स्वाध्याय आदि पर बल दिया जाना चाहिए। पाठ्यक्रम में जनसंचार माध्यमों से संबंधित अंशों को देखते हुए यह जरूरी है कि समय-समय पर इन माध्यमों से जुड़े व्यक्तियों और विशेषज्ञों को भी विद्यालय में बुलाया जाए तथा उनकी देख-रेख में कार्यशालाएँ आयोजित की जाएं।
- भिन्न क्षमता वाले शिक्षार्थियों के लिए उपयुक्त शिक्षण सामग्री का इस्तेमाल किया जाए तथा उन्हें किसी भी प्रकार से अन्य शिक्षार्थियों से कमतर या अलग न समझा जाए।
- कक्षा में शिक्षक को हर प्रकार की विविधताओं (लिंग जाति, धर्म, वर्ग आदि) के प्रति सकारात्मक और संवेदनशील वातावरण निर्मित करना चाहिए।

श्रवण तथा वाचन परीक्षा हेतु दिशा-निर्देश

श्रवण (सुनना) (5 अंक) : वर्णित या पठित सामग्री को सुनकर अर्थग्रहण करना, वार्तालाप करना, वाद-विवाद, भाषण, कवितापाठ आदि को सुनकर समझना, मूल्यांकन करना और अभिव्यक्ति के ढंग को समझना।

वाचन (बोलना) (5 अंक): भाषण, सस्वर कविता-पाठ, वार्तालाप और उसकी औपचारिकता, कार्यक्रम-प्रस्तुति, कथा-कहानी अथवा घटना सुनाना, परिचय देना, भावानुकूल संवाद-वाचन।

टिप्पणी: वार्तालाप की दक्षताओं का मूल्यांकन निरंतरता के आधार पर परीक्षा के समय ही होगा। निर्धारित 10 अंकों में से 5 श्रवण (सुनना) कौशल के मूल्यांकन के लिए और 5 वाचन (बोलना) कौशल के मूल्यांकन के लिए होंगे।

वाचन (बोलना) एवं श्रवण (सुनना) कौशल का मूल्यांकन:

- परीक्षक किसी प्रासंगिक विषय पर एक अनुच्छेद का स्पष्ट वाचन करेगा। अनुच्छेद तथ्यात्मक या सुझावात्मक हो सकता है। अनुच्छेद लगभग 250 शब्दों का होना चाहिए।
या
परीक्षक 2-3 मिनट का श्रव्य अंश (ऑडियो क्लिप) सुनवाएगा। अंश रोचक होना चाहिए। कथ्य /घटना पूर्ण एवं स्पष्ट होनी चाहिए। वाचक का उच्चारण शुद्ध, स्पष्ट एवं विराम चिह्नों के उचित प्रयोग सहित होना चाहिए।
- परीक्षार्थी ध्यानपूर्वक परीक्षक/ऑडियो क्लिप को सुनने के पश्चात परीक्षक द्वारा पूछे गए प्रश्नों का अपनी समझ से मौखिक उत्तर देंगे। (1x5 =5)
- किसी निर्धारित विषय पर बोलना : जिससे शिक्षार्थी अपने व्यक्तिगत अनुभवों का प्रत्यास्मरण कर सकें।
- कोई कहानी सुनाना या किसी घटना का वर्णन करना।
- परिचय देना।
(स्व/ परिवार/ वातावरण/ वस्तु/ व्यक्ति/ पर्यावरण/ कवि /लेखक आदि)

परीक्षकों के लिए अनुदेश :-

- परीक्षण से पूर्व परीक्षार्थी को तैयारी के लिए कुछ समय दिया जाए।
- विवरणात्मक भाषा में वर्तमान काल का प्रयोग अपेक्षित है।
- निर्धारित विषय परीक्षार्थी के अनुभव-जगत के हों।
- जब परीक्षार्थी बोलना आरंभ करें तो परीक्षक कम से कम हस्तक्षेप करें।

कौशलों के अंतरण का मूल्यांकन

(इस बात का निश्चय करना कि क्या शिक्षार्थी में श्रवण और वाचन की निम्नलिखित योग्यताएँ हैं)

क्र.	श्रवण (सुनना)		वाचन (बोलना)
1	परिचित संदर्भों में प्रयुक्त शब्दों और पदों को समझने की सामान्य योग्यता है।	1	केवल अलग-अलग शब्दों और पदों के प्रयोग की योग्यता प्रदर्शित करता है।
2	छोटे सुसंबद्ध कथनों को परिचित संदर्भों में समझने की योग्यता है।	2	परिचित संदर्भों में केवल छोटे संबद्ध कथनों का सीमित शुद्धता से प्रयोग करता है।
3	परिचित या अपरिचित दोनों संदर्भों में कथित सूचना को स्पष्ट समझने की योग्यता है।	3	अपेक्षाकृत दीर्घ भाषण में जटिल कथनों के प्रयोग की योग्यता प्रदर्शित करता है।
4	दीर्घ कथनों की शृंखला को पर्याप्त शुद्धता से समझने के ढंग और निष्कर्ष निकाल सकने की योग्यता है।	4	अपरिचित स्थितियों में विचारों को तार्किक ढंग से संगठित कर धारा-प्रवाह रूप में प्रस्तुत करता है।
5	जटिल कथनों के विचार-बिंदुओं को समझने की योग्यता प्रदर्शित करने की क्षमता है।	5	उद्देश्य और श्रोता के लिए उपयुक्त शैली को अपना सकता है।

परियोजना कार्य

विषय वस्तु

भाषा एवं प्रस्तुति

शोध एवं मौलिकता

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कुल अंक 10

5 अंक

3 अंक

2 अंक

- हिन्दी भाषा और साहित्य से जुड़े विविध विषयों/ विधाओं / साहित्यकारों / समकालीन लेखन / साहित्यिक वादों / भाषा के तकनीकी पक्ष / प्रभाव / अनुप्रयोग / साहित्य के सामाजिक संदर्भों एवं जीवन मूल्य संबंधी प्रभावों आदि पर परियोजना कार्य दिए जाने चाहिए।
- सत्र के प्रारंभ में ही शिक्षार्थी को विषय चुनने का अवसर मिले ताकि उसे शोध, तैयारी और लेखन के लिए पर्याप्त समय मिल सके।
- वाचन - श्रवण कौशल एवं परियोजना कार्य का मूल्यांकन विद्यालय स्तर पर आंतरिक परीक्षक द्वारा ही किया जाएगा।

परियोजना-कार्य

'परियोजना' शब्द योजना में 'परि' उपसर्ग लगाने से बना है। 'परि' का अर्थ है 'पूर्णता' अर्थात् ऐसी योजना जो अपने आप में पूर्ण हो परियोजना कहलाती है। किसी विशेष लक्ष्य की प्राप्ति हेतु जो योजना बनाई और कार्यान्वित की जाती है, उसे परियोजना कहते हैं। यह किसी समस्या के निदान या किसी विषय के तथ्यों को प्रकाशित करने के लिए तैयार की गई एक पूर्ण विचार योजना होती है।

राष्ट्रीय पाठ्यचर्चा की रूपरेखा, नई शिक्षा नीति 2020 तथा केन्द्रीय माध्यमिक शिक्षा बोर्ड द्वारा समय-समय पर अनुभवात्मक अधिगम, आनंदपूर्ण अधिगम की बात की कही गई है। उच्चतर माध्यमिक स्तर पर शिक्षार्थियों के लिए हिंदी का अध्ययन एक सृजनात्मक, साहित्यिक, सांस्कृतिक और विभिन्न प्रयुक्तियों की भाषा के रूप में करने और करवाने के लिए परियोजना कार्य अत्यंत महत्वपूर्ण व लाभदायक सिद्ध होता है।

परियोजना का महत्व

- व्यक्तिगत स्तर पर खोज, कार्यवाही और ग्यारहवीं - बारहवीं कक्षा के दौरान अर्जित ज्ञान और कौशल, विचारों आदि पर चिंतन का उपयोग ।
- सैद्धांतिक निर्माणों और तर्कों का उपयोग करके वास्तविक दुनिया के परिदृश्यों का विश्लेषण और मूल्यांकन
- एक स्वतंत्र और विस्तारित कार्य का निर्माण करने के लिए महत्वपूर्ण और रचनात्मक चिंतन, कौशल और क्षमताओं के अनुप्रयोग का प्रदर्शन
- उन विषयों पर कार्य करने का अवसर जिनमें शिक्षार्थियों की रुचि है।
- नए ज्ञान की ओर अग्रसर
- खोजी प्रवृत्ति में वृद्धि
- भाषा ज्ञान समृद्ध एवं व्यावहारिक
- समस्या समाधान की क्षमता का विकास

परियोजना कार्य निर्धारित करते समय ध्यान देने योग्य बातें

- परियोजना कार्य शिक्षार्थियों में योग्यता आधारित क्षमता को ध्यान में रखकर दिए जाएँ जिससे वे विषय के साथ जुड़ते हुए उसके व्यावहारिक पक्ष को समझ सकें। वर्तमान समय में उसकी प्रासंगिकता पर भी ध्यान दिया जाए।
- सत्र के प्रारम्भ में ही शिक्षार्थियों को विषय चुनने का अवसर मिले ताकि उसे शोध, तैयारी और लेखन के लिए पर्याप्त समय मिल सके।
- अध्यापिका/अध्यापक द्वारा कक्षा में परियोजना-कार्य को लेकर विस्तारपूर्वक चर्चा की जाए जिससे शिक्षार्थी उसके अर्थ, महत्व व प्रक्रिया को भली-भाँति समझने में सक्षम हो सकें।
- हिंदी भाषा और साहित्य से जुड़े। विविध विषयों/ विधाओं/ साहित्यकारों/ समकालीन लेखन/ भाषा के तकनीकी पक्ष/ प्रभाव/ अनुप्रयोग/ साहित्य के सामाजिक संदर्भों एवं जीवन-मूल्य संबंधी प्रभावों आदि पर परियोजना कार्य दिए जाने चाहिए।
- शिक्षार्थी को उसकी रुचि के अनुसार विषय का चयन करने के छूट दी जानी चाहिए तथा अध्यापक/ अध्यापिका को मार्गदर्शक के रूप में उसकी सहायता करनी चाहिए।
- परियोजना – कार्य करते समय निम्नलिखित आधार को अपनाया जा सकता है-
 1. प्रमाण – पत्र
 2. आभार ज्ञापन
 3. विषय-सूची
 4. उद्देश्य
 5. समस्या का बयान
 6. परिकल्पना
 7. प्रक्रिया (साक्ष्य संग्रह, साक्ष्य का विश्लेषण)
 8. प्रस्तुतीकरण (विषय का विस्तार)
 9. अध्ययन का परिणाम
 10. अध्ययन की सीमाएँ
 11. स्रोत
 12. अध्यापक टिप्पणी

- परियोजना – कार्य में शोध के दौरान सम्मिलित किए गए चित्रों और संदर्भों के विषय में उचित जानकारी दी जानी चाहिए। उनके स्रोत को अवश्य अंकित करना चाहिए।
- चित्र, रेखाचित्र, विज्ञापन, ग्राफ, विषय से संबंधित आँकड़े, विषय से संबंधित समाचार की कतरनें एकत्रित के जानी चाहिए।
- प्रमाणस्वरूप सम्मिलित किए गए आँकड़े, चित्र, विज्ञापन आदि के स्रोत अंकित करने के साथ-साथ समाचार-पत्र, पत्रिकाओं के नाम एवं दिनांक भी लिखने चाहिए।
- साहित्यकोश, संदर्भ-ग्रंथ, शब्दकोश की सहायता लेनी चाहिए।
- परियोजना-कार्य में शिक्षार्थियों के लिए अनेक संभावनाएँ हैं। उनके व्यक्तिगत विचार तथा उनकी कल्पना के विस्तृत संसार को अवश्य सम्मिलित किया जाए।

परियोजना – कार्य के कुछ विषय सुझावात्मक रूप में दिए जा रहे हैं।

भाषा और साहित्य से जुड़े विविध विषयों/ विधाओं/ साहित्यकारों/ समकालीन लेखन के आधार पर

- **हिंदी कविता में प्रकृति चित्रण (पाठ – उषा / बगुलों के पंख कविता)**
- विभिन्न कवियों की कविताओं का तुलनात्मक अध्ययन,
- भाषा शैली, विशेषताएँ
- वर्तमान के साथ प्रासंगिकता इत्यादि।
- **भारतीय ग्रामीण का जीवन (पाठ – पहलवान की ढोलक)**
 - आज़ादी से पहले, बाद में तथा वर्तमान में स्थिति
 - सुधार की आवश्यकताएँ
 - आपकी भूमिका/ योगदान/ सुझाव
- **समकालीन विषय**
 - कोविड -19 और हम
 - भूमिका – क्या है, क्यों है आदि का विवरण
 - विभिन्न देशों में प्रभाव
 - भारत के साथ तुलनात्मक अध्ययन
 - कारण और निवारण
 - आपकी भूमिका/ योगदान/ सुझाव

उपर्युक्त विषय सुझाव के रूप में प्रस्तुत किए गए हैं। आप दिशानिर्देशों के आधार पर अन्य विषयों का चयन कर सकते हैं।

हिंदी (आधार) (कोड सं. 302) कक्षा -11वीं (2022 -23)
परीक्षा हेतु पाठ्यक्रम विनिर्देशन

- प्रश्न-पत्र दो खण्डों - खंड 'अ' और 'ब' का होगा।
- खंड 'अ' में 45 वस्तुपरक प्रश्न पूछे जाएँगे जिनमें से केवल 40 प्रश्नों के ही उत्तर देने होंगे।
- खंड 'ब' में वर्णनात्मक प्रश्न पूछे जाएँगे। प्रश्नों में उचित आंतरिक विकल्प दिए जाएँगे।

भारांक 100

निर्धारित समय 3 घंटे

खंड अ (वस्तुपरक प्रश्न)		
विषयवस्तु		भार
1	अपठित गद्यांश	15
अ	एक अपठित गद्यांश (अधिकतम 300 शब्दों का) (1 अंक x 10 प्रश्न)	10
ब	दो अपठित पद्यांशों में से कोई एक पद्यांश (अधिकतम 150 शब्दों का) (1 अंक x 5 प्रश्न)	05
2	पाठ्यपुस्तक अभिव्यक्ति और माध्यम की इकाई एक से पाठ संख्या 1 तथा 2 पर आधारित	05
	बहुविकल्पात्मक प्रश्न (1 अंक x 5 प्रश्न)	05
3	पाठ्यपुस्तक आरोह भाग - 1 से बहुविकल्पात्मक प्रश्न	10
अ	पठित काव्यांश पर पाँच बहुविकल्पी प्रश्न (1 अंक x 05 प्रश्न)	05
ब	पठित गद्यांश पर पाँच बहुविकल्पी प्रश्न (1 अंक x 05 प्रश्न)	05
4	पूरक पाठ्यपुस्तक वितान भाग-1 से बहुविकल्पात्मक प्रश्न	10
अ	पठित पाठों पर दस बहुविकल्पी प्रश्न (1 अंक x 10 प्रश्न)	10
खंड - ब (वर्णनात्मक प्रश्न)		
विषयवस्तु		भार
5	पाठ्यपुस्तक अभिव्यक्ति और माध्यम से सृजनात्मक लेखन और व्यावहारिक लेखन पाठ संख्या 1, 2, 9, 10, 14, 15 तथा 16 पर आधारित	20
1	दिए गए चार अप्रत्याशित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में रचनात्मक लेखन (6 अंक x 1 प्रश्न)	05
2	औपचारिक पत्र लेखन। (5 अंक x 1 प्रश्न) (विकल्प सहित)	05
3	डायरी लेखन, कथा - पटकथा विषयों पर लेखन पर आधारित दो प्रश्न (3 अंक x 2 प्रश्न) (विकल्प सहित) (लगभग 60 शब्दों में)	06

4	स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र तथा शब्दकोश, संदर्भ ग्रंथों की उपयोगी विधि और परिचय पर आधारित तीन में से दो प्रश्न (2 अंक x 2 प्रश्न) (विकल्प सहित) (लगभग 40 शब्दों में)	04
6	पाठ्यपुस्तक आरोह भाग - 1	20
1	काव्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3 अंक x 2 प्रश्न)	6
2	काव्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2 अंक x 2 प्रश्न)	4
3	गद्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3 अंक x 2 प्रश्न)	6
4	गद्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2 अंक x 2 प्रश्न)	4
7	(अ) श्रवण तथा वाचन	10
	(ब) परियोजना कार्य	10
कुल अंक		100

प्रस्तावित पुस्तकें :

1. आरोह, भाग-1, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित
2. वितान भाग-1, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित
3. अभिव्यक्ति और माध्यम, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित

नोट - पाठ्यक्रम के निम्नलिखित पाठ हटा दिए गए हैं।

आरोह भाग - 1	काव्य खंड	<ul style="list-style-type: none"> • कबीर (पद 2) - संतो देखत जग बौराना • मीरा (पद 2) - पग घुंगरू बांधि मीरा नाची • रामनरेश त्रिपाठी - पथिक (पूरा पाठ) • सुमित्रानंदन पंत - वे आँखें (पूरा पाठ)
	गद्य खंड	<ul style="list-style-type: none"> • कृष्णनाथ - स्पीति में बारिश (पूरा पाठ) • सैयद हैदर रज़ा - आत्मा का ताप (पूरा पाठ)

हिंदी (आधार) (कोड सं. 302) कक्षा – 12वीं (2022-23) परीक्षा हेतु पाठ्यक्रम विनिर्देशन

- प्रश्न-पत्र दो खण्डों - खंड 'अ' और 'ब' का होगा।
- खंड 'अ' में 45 वस्तुपरक प्रश्न पूछे जाएँगे जिनमें से केवल 40 प्रश्नों के ही उत्तर देने होंगे।
- खंड 'ब' में वर्णनात्मक प्रश्न पूछे जाएँगे। प्रश्नों में उचित आंतरिक विकल्प दिए जाएँगे।

भारांक 100

निर्धारित समय 3 घंटे

खंड अ (वस्तुपरक प्रश्न)		भार
विषयवस्तु		भार
1	अपठित गद्यांश	15
	अ एक अपठित गद्यांश (अधिकतम 300 शब्दों का) (1 अंक x 10 प्रश्न)	10
	ब दो अपठित पद्यांशों में से कोई एक पद्यांश (अधिकतम 150 शब्दों का) (1 अंक x 5 प्रश्न)	05
2	पाठ्यपुस्तक अभिव्यक्ति और माध्यम की इकाई एक से पाठ संख्या 3, 4 तथा 5 पर आधारित	05
	बहुविकल्पात्मक प्रश्न (1 अंक x 5 प्रश्न)	05
3	पाठ्यपुस्तक आरोह भाग – 2 से बहुविकल्पात्मक प्रश्न	10
	अ पठित काव्यांश पर पाँच बहुविकल्पी प्रश्न (1 अंक x 05 प्रश्न)	05
	ब पठित गद्यांश पर पाँच बहुविकल्पी प्रश्न (1 अंक x 05 प्रश्न)	05
4	पूरक पाठ्यपुस्तक वितान भाग-2 से बहुविकल्पात्मक प्रश्न	10
	अ पठित पाठों पर दस बहुविकल्पी प्रश्न (1 अंक x 10 प्रश्न)	10
खंड – ब (वर्णनात्मक प्रश्न)		भार
विषयवस्तु		भार
5	पाठ्यपुस्तक अभिव्यक्ति और माध्यम से जनसंचार और सृजनात्मक लेखन पाठ संख्या 3, 4, 5, 11, 12 तथा 13 पर आधारित	20
	1 दिए गए चार अप्रत्याशित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में रचनात्मक लेखन (6 अंक x 1 प्रश्न)	06
	2 कहानी का नाट्यरूपांतरण / रेडियो नाटक / अप्रत्याशित विषयों पर लेखन पर आधारित दो प्रश्न (3 अंक x 2 प्रश्न) (विकल्प सहित) (लगभग 60 शब्दों में)	06
	3 पत्रकारिता और जनसंचार माध्यमों के लिए लेखन पर आधारित तीन में से दो प्रश्न (4 अंक x 2 प्रश्न) (विकल्प सहित) (लगभग 80 शब्दों में)	08
6	पाठ्यपुस्तक आरोह भाग – 2	20

1	काव्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3 अंक x 2 प्रश्न)	6
2	काव्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2 अंक x 2 प्रश्न)	4
3	गद्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3 अंक x 2 प्रश्न)	6
4	गद्य खंड पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2 अंक x 2 प्रश्न)	4
7	(अ) श्रवण तथा वाचन	10
	(ब) परियोजना कार्य	10
कुल अंक		100

प्रस्तावित पुस्तकें :

1. **आरोह, भाग-2**, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित
2. **वितान, भाग-2**, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित
3. **'अभिव्यक्ति और माध्यम'**, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित

नोट - पाठ्यक्रम के निम्नलिखित पाठ हटा दिए गए हैं

आरोह भाग - 2	काव्य खंड	<ul style="list-style-type: none"> • गजानन माधव मुक्तिबोध - सहर्ष स्वीकारा है (पूरा पाठ) • फ़िराक गोरखपुरी - गज़ल
	गद्य खंड	<ul style="list-style-type: none"> • विष्णु खरे - चार्ली चैप्लिन यानी हम सब (पूरा पाठ) • रज़िया सज्जाद ज़हीर - नमक (पूरा पाठ)
वितान भाग - 2		<ul style="list-style-type: none"> • एन फ्रैंक - डायरी के पन्ने

कक्षा बारहवीं हेतु प्रश्न पत्र का विस्तृत प्रारूप जानने के लिये कृपया बोर्ड द्वारा जारी आदर्श प्रश्न पत्र देखें।