

H. M. EDUCATION CENTRE
SYLLABUS FOR 2024-2025
CLASS –XII

SUBJECT-ENGLISH

UNIT TEST-1

READING SKILLS:

1. Factual/ Descriptive/ Literary Passage
2. Case-based Passage (with verbal/ visual inputs like statistical data, charts etc.)

CREATIVE WRITING SKILLS:

1. Notice Writing
2. Formal Invitation and Reply
3. Letters to the Editor
4. Article writing

FLAMINGO (PROSE):

1. The Last Lesson
2. Lost Spring

(POEM):

1. My mother at Sixty Six
2. Keeping Quiet

VISTAS:

1. The Third Level
2. The Tiger King

****SUBJECT TO CHANGE**

UNIT TEST-2

READING SKILLS:

1. Factual/ Descriptive/ Literary Passage
2. Case-based Passage (with verbal/ visual inputs like statistical data, charts etc.)

WRITING SKILLS:

1. Notice Writing
2. Informal Invitation and Reply
3. Report Writing
4. Application for a Job with bio data or resume

FLAMINGO (PROSE):

1. Deep Water
2. The Rattrap
3. Indigo
4. The Last Lesson (R)
5. Lost Spring (R)

POEM:

1. A Thing of Beauty
2. A Roadside Stand
3. My mother at Sixty Six (R)

4. Keeping Quiet (R)

VISTAS:

1. Journey to the end of the Earth
2. The Enemy
3. The Third Level (R)
4. The Tiger King (R)

****SUBJECT TO CHANGE**

PRE-BOARD-1

READING SKILLS:

1. Factual/ Descriptive/ Literary Passage
2. Case-based Passage (with verbal/ visual inputs like statistical data, charts etc.)

WRITING SKILLS:

1. Notice Writing
2. Formal/Informal Invitation and Reply
3. Application for a Job with bio data or resume/ Letters to the editor
4. Article Writing/ Report Writing

FLAMINGO (PROSE):

1. The Last Lesson
2. Lost Spring
3. Deep Water
4. The Rattrap
5. Indigo
6. Poets and Pancakes
7. The Interview

(POEM):

1. My Mother at Sixty Six
2. Keeping Quiet
3. A Thing of Beauty
4. A Roadside Stand
5. Aunt Jennifer's Tigers

VISTAS:

1. The Third Level
2. The Tiger King
3. Journey to the end of the Earth
4. The Enemy
5. On the Face of it

****SUBJECT TO CHANGE**

PRE-BOARD-2

READING SKILLS:

1. Factual/ Descriptive/ Literary Passage
2. Case-based Passage

WRITING SKILLS:

1. Notice Writing
2. Formal/Informal Invitation and Reply
3. Application for a Job with bio data or resume/ Letters to the editor
4. Article Writing/ Report Writing

FLAMINGO (PROSE):

1. The Last Lesson
2. Lost Spring
3. Deep Water
4. The Rattrap
5. Indigo
6. Poets and Pancakes
7. The Interview
8. Going Places

(POEM):

1. My Mother at Sixty Six
2. Keeping Quiet
3. A Thing of Beauty
4. A Roadside Stand
5. Aunt Jennifer's Tigers

VISTAS:

1. The Third Level
2. The Tiger King
3. Journey to the end of the Earth
4. The Enemy
5. On the Face of it
6. Memories of Childhood
 - The Cutting of My Long Hair
 - We Too are Human Beings

PRE-BOARD-3

Full syllabus as per CBSE.

****SUBJECT TO CHANGE**

SUBJECT: MATHEMATICS

UNIT TEST 1

Relations & Functions, Inverse Trigonometric Functions, Differentiation (1st & 2nd Order), Continuity & Differentiability, Application of Derivatives.

UNIT TEST 2

Matrices, Determinants, Relations & Functions, Inverse Trigonometric Functions, Differentiation (1st & 2nd Order), Integrals (Indefinite & Definite).

PRE BOARD 1

Differentiation (1st & 2nd Order), Continuity & Differentiability, Application of Derivatives, Matrices, Determinants, Relations & Functions, Inverse Trigonometric Functions, Integrals (Indefinite & Definite), Application of Integrals, Differential Equations, Linear Programming Problems, Probability.

PRE BOARD 2

Differentiation (1st & 2nd Order), Continuity & Differentiability, Application of Derivatives, Matrices,

Determinants, Relations & Functions, Inverse Trigonometric Functions , Integrals (Indefinite & Definite) , Application of Integrals , Differential Equations , Linear Programming Problems, Vectors, Three Dimensional Geometry ,Probability.

PRE-BOARD-3

Full syllabus as per CBSE.

Note:

1. Activities :As per CBSE board syllabus.
2. Subject to change.

SUBJECT: APPLIED MATHEMATICS

UNIT TEST - 1.

1. MODULO ARITHMATIC,
2. BOATS AND STREAMS,
3. NUMERICAL INEQUALITIES.
4. MATRICES AND ITS VARIOUS PROPERTIES,
5. DETERMINANTS,
6. SOLVING SYSTEM OF SIMULTANEOUS EQUATIONS USING MATRIX METHOD, CRAMER'S RULE.

UNIT TEST - 2

7. RACES AND GAMES,
8. ALLIGATION AND MIXTURE,
9. PIPE AND CISTERNS
10. HIGHER ORDER DERIVATIVES AND ITS APPLICATIONS,
11. INCREASING AND DECREASING FUNCTIONS,
12. MAXIMA AND MINIMA.

PRE-BOARD - I

13. INTEGRATION (INDEFINITE AND DEFINITE) AND ITS APPLICATIONS,
14. DIFFERENTIAL EQUATIONS AND MODELLING,
15. PROBABILITY DISTRIBUTIONS (BASIC IDEAS, MATHEMATICAL EXPECTATION, VARIANCE, BINOMIAL DISTRIBUTION, POISSON DISTRIBUTION, NORMAL DISTRIBUTION),
16. INFERENCE STATISTICS (POPULATION AND SAMPLE, PARAMETER, t-TEST).
17. FINANCIAL MATHEMATICS (PERPETUITY, SINKING FUNDS, EMI, RETURNS, DEPRECIATION AND ITS CALCULATIONS),
18. LPP (INTRODUCTION, FORMULAS, TYPES, GRAPHICAL REPRESENTATION, FEASIBLE AND INFEASIBLE SOLUTIONS).

PRE-BOARD - II

MODULO ARITHMATIC, BOATS AND STREAMS, PIPES AND CISTERNS, NUMERICAL INEQUALITIES, RACES AND GAMES, ALLIGATION AND MIXTURE, MATRICES AND ITS VARIOUS PROPERTIES, DETERMINANTS, SOLVING SYSTEM OF SIMULTANEOUS EQUATIONS USING MATRIX METHOD, CRAMER'S RULE, HIGHER ORDER DERIVATIVES AND ITS APPLICATIONS, INCREASING AND DECREASING FUNCTIONS, MAXIMA AND MINIMA, INTEGRATION (INDEFINITE AND DEFINITE) AND ITS APPLICATIONS, DIFFERENTIAL EQUATIONS AND MODELLING, PROBABILITY DISTRIBUTIONS (BASIC IDEAS, MATHEMATICAL EXPECTATION, VARIANCE, BINOMIAL DISTRIBUTION, POISSON DISTRIBUTION, NORMAL DISTRIBUTION), INFERENCE STATISTICS (POPULATION AND SAMPLE, PARAMETER, t-TEST), TIME BASED DATA, FINANCIAL MATHEMATICS -I (PERPETUITY, SINKING FUNDS, EMI, RETURNS, DEPRECIATION AND ITS CALCULATIONS), LPP (INTRODUCTION, FORMULAS, TYPES, GRAPHICAL REPRESENTATION, FEASIBLE AND INFEASIBLE SOLUTIONS).

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

****SUBJECT TO CHANGE**

COMPUTER SCIENCE

UNIT TEST 1	1. Python Revision Tour I 2. Python Revision Tour II 3. Function
UNIT TEST 2	1. Python Library 2. Data Structure 3. File Handling
PRE BOARD I	1.Net working Concept 2.Database Management System 3.SQL 4.Joining 5.Python Interface with SQL Database
PRE BOARD II	Full Syllabus as per Board
PRE BOARD III	Full Syllabus as per Board

**** Subject to change**

ECONOMICS

UNIT TEST 1

MACROECONOMICS	INDIAN ECONOMIC DEVELOPMENT
1. Introduction 2. Some Basic Concepts of Macroeconomics 3. National Income and Related Aggregates 4. Methods of calculating National Income	1. Indian Economy on the Eve of Independence 2. Five Year plans in India 3. Features , Problems and Policies of Agriculture 4. Strategy of Industrial growth(1947-1990) 5. India's foreign trade.

UNIT TEST 2

MACROECONOMICS	INDIAN ECONOMIC DEVELOPMENT
<ol style="list-style-type: none">1. National income and related aggregates.2. Methods of calculating national income.3. Money and Banking4. Aggregate demand, aggregate supply and related concepts.5. Short run equilibrium output.	<ol style="list-style-type: none">1. Five year plans in India2. Features, policies and problems of agriculture.3. Strategy of industrial growth4. India's foreign trade.5. New economic policy6. Poverty.

PREBOARD - I

MACROECONOMICS	INDIAN ECONOMIC DEVELOPMENT
<ol style="list-style-type: none">1. National income and related aggregates.2. Methods of calculating national income.3. Money and Banking4. Aggregate demand, aggregate supply and related concepts.5. Short run equilibrium output6. Problem of Deficient and excess demand.7. Government Budget.	<ol style="list-style-type: none">1. Five year plans in India2. Features, policies and problems of agriculture.3. Strategy of industrial growth4. India's foreign trade.5. New economic policy6. Poverty.7. Human capital formation in India8. Rural Development.

PRE BOARD II

MACROECONOMICS	INDIAN ECONOMIC DEVELOPMENT
<ol style="list-style-type: none">1. Introduction2. Some basic concepts of Macroeconomics3. National income and related aggregates.4. Methods of calculating national income.5. Money and Banking6. Aggregate demand, aggregate supply and related concepts.7. Short run equilibrium output8. Problem of Deficient and excess demand.9. Government Budget.10. Foreign Exchange Rate11. Balance of Payments	<ol style="list-style-type: none">1. Indian Economy on the Eve of Independence2. Five year plans in India3. Features, policies and problems of agriculture.4. Strategy of industrial growth5. India's foreign trade.6. New economic policy7. Poverty.8. Human capital formation in India9. Rural Development10. Employment and Unemployment11. Infrastructure12. Environment and Sustainable development13. Development Experience of India: A comparison with neighbours.

PRE BOARD III

FULL SYLLABUS AS PER CBSE.

Project according to the guidelines of C.B.S.E.

Project according to the guidelines of C.B.S.E.

SUBJECT TO CHANGE.

PSYCHOLOGY

UNIT TEST-1

Chapter 1- Variations in Psychological Attributes

Chapter 2- Self and Personality
Chapter 3- Meeting Life Challenges
*Practical- On Intelligence
*Project- Case Study

UNIT TEST-2

Chapter 4- Psychological Disorders
Chapter 5- Therapeutic Approaches
Chapter 6- Attitude and Social Cognition
*Practical- i)On Personality
 ii)STAI (On Anxiety)

PRE BOARD- 1

Chapter 2- Self and Personality
Chapter 4- Psychological Disorders
Chapter 5- Therapeutic Approaches
Chapter 6- Attitude and Social Cognition
Chapter 7- Social Influence and Group Processes
*Practical- i)On Adjustment
 ii)On Self Concept

PRE BOARD-2

Full Syllabus of CBSE (Chapter 1-7)

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

***SUBJECT TO CHANGE**

HINDI
UNIT TEST- 1

Literature-

- 1- Atmaparichay, EkGeet
- 2- Usha
- 3 - Bhaktin

Language –

- 1- Anucchedlekhan
- 2- Jan Sanchar Madhyam
- 3- Unseen Comprehension

UNIT TEST- 2

Literature-

- 1 – Rubaiyaan
- 2- Patang
- 3- Badal raag
- 4- Kale meghapani de
- 5- Pahalwankidholak
- 6- Jujh

Language –

- 1- ApathitPadyansh
- 2- Formal letter writing
- 3- Samacharlekhan

4- Visheshlekhanswarupaurprakar

PRE BOARD – 1

Literature-

- 1 – Shirishkephool
- 2- ShramVibhajanaurJatiPratha, Meri Kalpana ka Aadrash Samaj
- 3- Diary kePanne
- 4- Atmaparichay, EkGeet,
 - 1- Patang
 - 2- Usha
 - 3- Cameremein band apahij
 - 4- Bhaktin
 - 5- Bazar Darshan
 - 6- Kavitatebahane , Baatsidhi thi par
 - 7- Saharshwikarahai
 - 8- Badal raag
 - 9- Kale meghapani de
 - 10- Pahalwankidholak
 - 11- Jujh

Language –

1. Aalekh, Report, Print Madhyam
2. Feature lekhan
3. Anucchedlekhan
4. Unseen Comprehension
5. Anucchedlekhan
6. Jan Sanchar Madhyam
7. Unseen Comprehension
8. Kavita, kahani, Natakkirachanaprakriya par aadharitlaghutariprashan.
9. ApathitPadyansh
10. Formal letter writing
11. Samacharlekhan
12. Visheshlekhanswarupaurprakar

PRE BOARD – 2

Literature-

- 1- Atmaparichay, EkGeet,
- 2- Patang
- 3- Usha
- 4 - Cameremein band apahij
- 5 - Bhaktin
- 6 - Bazar Darshan
- 7- Kavitatebahane , Baatsidhi thi par
- 8- Saharshwikarahai
- 9- Badal raag
- 10- Kale meghapani de
- 11- Pahalwankidholak
- 12- Jujh
- 13– Kavitalwali , Lakmanmurchaaur Ram kavilapr
- 14- Rubaiya, Gazal
- 15- Chhotamerakhet
- 16- Bagulonkepankh
- 17- Charlie chaplinyani hum sab
- 18- Namak

19- Ateetmeindabepaanv

Language –

- 1- Anucchedlekhan
- 2- Jan Sanchar Madhyam
- 3- Unseen Comprehension
- 4- Kavita, kahani, Natakirachanaprakriya par aadharitlaghutariprashan.
- 5- ApathitPadyansh
- 6- Formal letter writing
- 7- Samacharlekhan
- 8- Visheshlekhanswarupaurprakar
- 9- Aalekh, Report, Print Madhyam
- 10- Feature lekhan
- 11- Anucchedlekhan
- 12- Unseen Comprehension

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

Subject to be change

SUBJECT - BENGALI.

Unit Test 1

Story – 1. Ke banchay ke banche.

Drama – 2. Naronger din.

Poem – 1. Ami dekhi

Amar Bangla – Garo paharer niche.

Grammar – Dhanitatta(Apinihiti,Avishruti ,Swarasangati, Swarabhakti – defination with four examples)

Bodh porikkhan.

Unit test 2

Story – 1. Bhratbarsho

2. Nanaronger din

Poem- Krandonrata janonir pashe.

Amar Bangla -Chatir badole hati

Grammar – Report reading , Sabderthatatta(Utkarsho, Opokarsho, Sankochon, Progaran- defination with four examples) Proverbs and Idioms(meaning and sentence making)

Pre – Board 1

Story- 1. Ke banchay ke banche.

2. Bhratbarsho

3.Bhat

4. Nanaronger din

Poem –1. Porte Jane emon ek mojurer prashano.

2. Ami dekhi.

3. Rupnaraner kule

Amar Bangla –1. Megher Gaye jailkhana.

2. Patal purir rajye.

Grammar:

1. Dhanitatto

2. Sabderthatta

3. Bodh Parikshan

4. Advertisement writing.

5. Proverbs and Idioms(meaning & sentence making)

Preboard-2

Story:

1. Ke banchay ke bache

2. Bharatbarsha

3. Bhat

Poem:

1. Ami dekhi

2. Krandanrata janonir pashe

3. Porte Jane emon ke mojurer proshno.

4. Rupnaraner kule.

Drama- Nanaronger Din

Amar Bangla

1. Garo paharer niche

2. Chhatir Bodole hati

3. Megher Gaye jailkhana

4. Patal purir Rajye

Grammar:

1. Dhanitatto

2.Sabderthatatta

3.Proverbs and idioms

4. Report reading

2. Advertisement writing.

3. Bodhporikkhan

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

*Subject to change.

SUB- POLITICAL SCIENCE

UNIT TEST- 1

Part- A Contemporary World Politics

The End of Bipolarity

New Centres of Power

Part- B Politics In India Since Independence

Challenges Of Nation Building

Era of one party dominance

UNIT TEST- 2

Part- A Contemporary South Asia

United Nations and its Organizations

Security in Contemporary World

Part- B Planned Development

India's Foreign Policy

Parties and Party System in India

Pre-Board – 1

Part- A Contemporary World Politics

The End of Bipolarity

New Centres of Power

Contemporary South Asia

United Nations and its Organizations

Security in Contemporary World

Environment and The Natural Resources

Globalisation

Part- B Politics In India Since Independence

Challenges Of Nation Building

Era of one party dominance

Planned Development

India's Foreign Policy

Parties and Party System in India

Democratic Resurgence

Regional Aspirations

Indian Politics- Recent Trends and Development

Pre-Board – 2

Part- A Contemporary World Politics

The End of Bipolarity

New Centres of Power

Contemporary South Asia

United Nations and its Organizations

Security in Contemporary World

Environment and The Natural Resources

Globalisation

Part- B Politics In India Since Independence

Challenges Of Nation Building

Era of one party dominance

Planned Development

India's Foreign Policy

Parties and Party System in India

Democratic Resurgence

Regional Aspirations

Indian Politics- Recent Trends and Development

Pre- Board -3

Part- A Contemporary World Politics

The End of Bipolarity

New Centres of Power

Contemporary South Asia

United Nations and its Organizations

Security in Contemporary World

Environment and The Natural Resources

Globalisation

Part- B Politics In India Since Independence

Challenges Of Nation Building

Era of one party dominance

Planned Development

India's Foreign Policy

Parties and Party System in India

Democratic Resurgence

Regional Aspirations

Indian Politics- Recent Trends and Development

Projects will be provided.

*Subject to change.

PHYSICS

UT-1

Unit-I Electrostatics

Chapter-1: Electric Charges and Fields

Chapter-2: Electrostatic Potential and Capacitance

Unit-II Current Electricity

Chapter-3: Current Electricity

UT-2

Chapter-4: Moving Charges and Magnetism

Chapter-6: Electromagnetic Induction

Chapter-7: Alternating Current

Chapter-8: Electromagnetic Waves

PRE-BOARD-1

Unit-I Electrostatics (All chapters)

Unit-II Current Electricity (All chapters)

Unit-III Magnetic Effects of Current and Magnetism (All chapters)

Unit-IV Electromagnetic Induction and Alternating Current (All Chapters)

Unit-V Electromagnetic Waves

Chapter-8: Electromagnetic Waves

Unit-VI Optics

Chapter-9: Ray Optics and Optical Instruments

Chapter-10: Wave Optics

Unit-VII Dual Nature of Radiation and Matter

Chapter-11: Dual Nature of Radiation and Matter

PRE-BOARD-2

FULL SYLLABUS AS PER CBSE.

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

1. Practicals :As per cbse board syllabus.

2. Subject to change.

CHEMISTRY

UNIT TEST- 1

- 1) Solutions
- 2) Electrochemistry
- 3) d and f block elements
- 4) Haloalkanes and haloarenes

UNIT TEST- 2

- 1) Chemical Kinetics
- 2) Co-ordination compounds

- 3) Haloalkanes and haloarenes
- 4) Alcohols, phenols and ethers
- 5) Electrochemistry
- 6) d and f block elements

PRE-BOARD- 1

- 1) Aldehydes, ketones and carboxylic acids
- 2) Amines
- 3) Bio molecules
- 4) Solutions
- 5) Electrochemistry
- 6) Chemical Kinetics
- 7) d and f block elements
- 8) Co-ordination compounds
- 9) Haloalkanes and haloarenes
- 10) Alcohols, phenols and ethers

PRE-BOARD- 2

- 1) Solutions
- 2) Electrochemistry
- 3) Chemical Kinetics
- 4) d and f block elements
- 5) Co-ordination compounds
- 6) Haloalkanes and haloarenes
- 7) Alcohols, phenols and ethers
- 8) Aldehydes, ketones and carboxylic acids
- 9) Amines
- 10) Bio molecules

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

Note:

1. Practicals :As per cbse board syllabus.
2. Subject to change.

SUBJECT-BIOLOGY

UNIT TEST I	2. Sexual reproduction in flowering plants 3. Human reproduction 4. Reproductive health
UNIT TEST II	2. Sexual reproduction in flowering plants 3. Human reproduction 5. Principles of inheritance and variation 6. Molecular basis of inheritance 7. Evolution 8. Human health and disease
PRE BOARD I	2. Sexual reproduction in flowering plants 3. Human reproduction

	4. Reproductive health 5. Principles of inheritance and variation 6. Molecular basis of inheritance 7. Evolution 8. Human health and disease 10. Microbes in Human welfare 11. Biotechnology: Principles and Processes 12. Biotechnology and its applications 13. Organisms and Populations 14. Ecosystem 15. Biodiversity and its Conservation
PRE BOARD II	2. Sexual reproduction in flowering plants 3. Human reproduction 4. Reproductive health 5. Principles of inheritance and variation 6. Molecular basis of inheritance 7. Evolution 8. Human health and disease 10. Microbes in Human welfare 11. Biotechnology: Principles and Processes 12. Biotechnology and its applications 13. Organisms and Populations 14. Ecosystem 15. Biodiversity and its Conservation
PRE BOARD III	FULL SYLLABUS AS PER CBSE.

Note: 1. Practicals : As per cbse board syllabus.

2. Subject to change.

SUBJECT- ACCOUNTANCY

UNIT TEST – 1 :

UNIT 1 : ACCOUNTING FOR PARTNERSHIP FIRM

- PREPARATION OF PROFIT AND LOSS APPROPRIATION ACCOUNT
- ADJUSTMENTS RELATING TO INTEREST ON CAPITAL, INTEREST ON DRAWINGS, SALARY AND PROFIT SHARING RATIO.
- CHANGE IN PROFIT SHARING RATIO
- VALUATION OF GOODWILL
- ADMISSION OF PARTNER

UNIT TEST – 2 :

UNIT 1 : ACCOUNTING FOR PARTNERSHIP FIRM

- RETIREMENT AND DEATH OF A PARTNER
- DISSOLUTION OF PARTNERSHIP FIRM

UNIT 2 : ACCOUNTING FOR COMPANIES

- ACCOUNTING FOR SHARE CAPITAL

PRE-BOARD -1 :

UNIT 2 : ACCOUNTING FOR COMPANIES

- ACCOUNTING FOR DEBENTURES

UNIT 3 : ANALYSIS OF FINANCIAL STATEMENTS

- RATIO ANALYSIS

UNIT 4 : CASH FLOW STATEMENT

PROJECT WORK

PRE-BOARD -2 :

Entire syllabus as per CBSE

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

★ **Subject to change**

SUBJECT- ENTREPRENEURSHIP

UNIT TEST - 1

1. Entrepreneurial Opportunity
2. Enterprise Planning (Till Sole Proprietorship)

UNIT TEST - 2

1. Enterprise Planning
2. Enterprise Marketing

PRE-BOARD 1

1. Entrepreneurial Opportunity
2. Enterprise Planning
3. Enterprise Marketing
4. Enterprise Growth Strategies
1. Business Arithmetic
2. Resource Mobilization
3. Project work

PRE-BOARD 2

Entire syllabus as per CBSE

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

- **Subject to change**

SUBJECT-BUSINESS STUDIES

Unit Test – 1

* Nature and Significance of Management

* Principles of Management

* Business Environment

Unit Test - 2

* Financial Management

* Financial Markets

* Marketing

Pre-Board – 1

* Nature and Significance of Management

* Principles of Management

* Business Environment

* Planning

* Organising

* Staffing

* Directing

* Controlling

* Financial Management

* Financial Markets

* Marketing

* Consumer Protection

PRE-BOARD-2

FULL SYLLABUS AS PER CBSE.

PRE-BOARD-3

FULL SYLLABUS AS PER CBSE.

Subject to change

SOCIOLOGY

Unit Test 1

Indian Society

1. Introducing Indian Society
 2. The Demographic Structure of Indian Society
- Social Change and Development in India
8. Structural Change

Unit Test 2

Indian Society

3. Social Institutions: Continuity and Change
- Social Change and Development in India
9. Cultural Change
 11. Change and Development in Rural Society

Pre Board 1

Indian Society

5. Patterns of Social Inequality and Exclusion
 6. The Challenges of Cultural Diversity
- Social Change and Development in India
12. Change and Development in Industrial Society

13. Social Movements

Pre Board 2

Indian Society

1. Introducing Indian Society
 2. The Demographic Structure of Indian Society
 3. Social Institutions: Continuity and Change
 5. Patterns of Social Inequality and Exclusion
 6. The Challenges of Cultural Diversity
 7. Suggestions for Project Work
- ##### Social Change and Development in India
8. Structural Change
 9. Cultural Change
 11. Change and Development in Rural Society
 12. Change and Development in Industrial Society
 13. Social Movements

Pre Board 3

According to CBSE syllabus

*Subject to change

HOME SCIENCE

Unit Test 1

UNIT I: Work, livelihood and Career

Ch. Work, livelihood and Career

UNIT II: Nutrition, Food Science and Technology

Ch. Clinical Nutrition and Dietetics

Half yearly-

UNIT II: Nutrition, Food Science and Technology

Ch. Clinical Nutrition and Dietetics

Ch. Public Nutrition and Health

Ch. Food Processing and Technology

Ch. Food Quality and Food Safety

Unit Test 2

UNIT III: Human Development and Family Studies

Ch. Early Childhood Care and Education

Ch. Management of Support Services, Institutions and Programmes for Children, Youth and Elderly

UNIT IV: Fabric and Apparel

Ch. Design for Fabric and Apparel

Annual Examination

UNIT IV :Fabric and Apparel

Ch. Fashion Design and Merchandising

Ch. Care and Maintenance of Fabrics in Institutions

UNIT V: Resource management

Ch. Hospitality Management

Ch. Consumer Education and Protection

UNIT VI: Communication and Extension

Ch. Development Communication and Journalism

FINE ARTS PAINTING

UNIT TEST-1

1) The Rajasthani school of painting

a) Origin and Development

b) Sub- school- Mewar, Bundi, Jodhpur Bikaner, Kishangarh and jaipur

C) Main features of the Rajasthani School

UNIT TEST- 2

2) The Mughal School of Miniature Painting

a) Origin and development

b) Main feature of the Mughal School

C) Appreciation of the following Mughal painting:

Title

Krishna Lifting Mount Govardhana

Falcon on a Bird-Rest

Kabir and Raidas

Marriage procession of darashikoh

3) The Deccani School of painting

a) Origin and development

b) Main feature of the Deccani School

PRE BOARD - 1

4) The pahari School of painting

a) Origin and development

b) Sub-School- Basohli, Guler, kangra, chamba and Garhwal

5) The Bengal School and cultural Nationalism

Introduction to the Bengal School of painting

Main feature of the Bengal school of painting

PRE BOARD -2

6) The Modern Indian Art

a) Painting-Rama Vanquishing the pride of ocean

Mother and child

Haldi Grinders

Mother Teresa

b) Sculpture- Triumph of Labour, Santhal Family, Ganesha, Cries In Heard,

C) Graphic-print

Children, Devi, Of Walls, Man-Woman and Tree.

PRE BOARD 3

Full syllabus according to CBSE syllabus

(Subject to be changed)

Informatics Practices

UNIT TEST 1	Data Handling using Pandas -I Introduction to Python libraries Data structures in Pandas Series Data Frames Importing/Exporting Data between CSV files and Data Frames Data Visualization
UNIT TEST 2	Database Query using SQL Aggregate Functions Working with two tables using equi-join
PRE BOARD I	Introduction to Computer Networks Introduction to networks Network Devices Network Topologies Website Web Browser Societal Impacts Digital footprint

	E-waste
PRE BOARD II	Full Syllabus as per Board
PRE BOARD III	Full Syllabus as per Board

DANCE

Unit Test 1

Acquaintance with the history of the chief exponents and contributors of the past of the Dance form (Ruknim Devi Arundale, Balasaraswati, Meenakshi Sundaram Pillai, Tanjore quartet).

Acquaintance, with the contents of the Abhinaya Darpana.

knowledge of the following terms:- Nriya Natya (Sanskrit slokas from the Abinaya Darpana and basic definition) Tandava (7 tandavas with detailed stories) Lasya, Lokadharmi Natyadhari (Definitions with examples) Sthana, Chari, Mandala, Bharmari, Utplavana (Slokas and meaning from Abinaya Darpana) (i) Abhinaya (Angika Vachika, Satvika, Aharya-slokas from the Abinaya Darpana along with the meaning) (v) Sangeeta. Tala, Laya (Definition of the term, seven talams, three layams) (v) Rasa (names of the nine rasas and their English meanings)

Unit Test -2

Knowledge of the technical terminology of the particular Dance form (any one to be studied in accordance with the Dance style offered) - (a) Definitions of the following: araimandi, muzhumandi, kuttanam, korvai, karvai, adavu, shollu, aradhi, theerumanam, jat, jaati, gati, avartana, yati, taalanga, Ihattukazhi, nattuvangam, arangetram)

5 Acquaintance with the traditional costumes, make up of the Dance style opted.

Pre-board -1 - Full syllabus

Pre-board --2 Full syllabus

Pre-board -3 Full syllabus

****Subject to change**

MASS MEDIA

Unit Test 1

Unit-1: Understanding The Language of the Medium

Media Literacy

Aspects of Film Language

Content Analysis of TV programmes

Content Analysis of Newspapers and Periodicals

Content Analysis of Radio Programmes

Features of Internet

Unit–2: Evolution of the Media

Evolution of International Cinema

Evolution of International Television

Evolution of Print Media

Evolution of Radio

Evolution of the Internet

Unit–3: Convergence of the Media

Independence and Inter-convertibility of the Media

Convergence and the New Possibilities of Communication

Unit Test 2**Unit–4: Selling/ Marketing/ Exhibiting a Product Through Advertising**

Profile of a Product

The Task of Advertising

The Available Media

Forms of Advertising

Unit–5: Graphic Design - Multimedia Applications

Introduction to Multimedia

Text

Still Image

Video Applications

Sound

Creating a Multimedia Project

Pre- Board 1: Full syllabus; Unit 1 to 5

Pre-Board 2: Full syllabus; Unit 1 to 5

Pre-Board 3: Full syllabus ; Unit 1 to 5

*Subject to change

FASHION STUDIES

UNIT 1

History of fashion.
Factors affecting clothing - protection, ritualistic, identification, adornment
Origin and Development of Costume.
War Costume and Uniforms
Industrial Revolution
Effect of World Wars on Fashion
Evolution of Modern Indian Fashion
Films and Fashion
Pattern Making
Measurements
Tools
Fit
Pattern Development
Necklines
Dart Manipulation
Skirt
Sleeve
Collar

UNIT 2

Understanding Fashion - Definition and Overview
Haute Couture
High Fashion Ready-to-Wear
Ready-to-Wear and Mass-Produced garments: Off-Shore Manufacturing
Introduction to Menswear
Colour in Menswear
Fabrics for Menswear
Classic Shirt and its types
Bottom wear – Pants
Shorts
Suits
Indian menswear fashion market today
Introduction to Womenswear
Elements of Design in Womenswear

PRE- BOARD - 1

History of fashion.
Factors affecting clothing - protection, ritualistic, identification, adornment
Origin and Development of Costume.
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Indian menswear fashion market today
Introduction to Womenswear
Elements of Design in Womenswear
Garment Collections
Fibres and Fabrics
Cutting Preliminaries
Placket
Neckline Facings
Sleeve Attachment

**PRE-
BOARD-
2**

History of fashion.
Factors affecting clothing - protection, ritualistic, identification, adornment
Origin and Development of Costume.
War Costume and Uniforms
Industrial Revolution
Effect of World Wars on Fashion
Evolution of Modern Indian Fashion
Films and Fashion
Pattern Making
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Cutting Preliminaries
Placke
Neckline Facings
Sleeve Attachment

PRE BOARD- 3: Full Syllabus as per CBSE

** Subject to change

GEOGRAPHY

UNIT TEST-1

PART—A

1. HUMAN GEORAPHY NATURE AND SCOPE
2. THE WORLD POPULATION DISTRIBUTION , DENSITY AND GROWTH

PART-B

1. POPULATION: DISTRIBUTION , DENSITY AND GROWTH

PART—C

1. DATA-TYPE, SOURCE AND COMPILATION
2. DATA PROCESSING

UNIT TEST-2

PART—A

1. HUMAN GEORAPHY NATURE AND SCOPE
2. THE WORLD POPULATION DISTRIBUTION , DENSITY AND GROWTH
3. HUMAN DEVELOPMENT
4. PRIMARY ACTIVITIES

PART-B

1. POPULATION: DISTRIBUTION , DENSITY AND GROWTH
2. HUMAN SETTLEMENTS

PART—C

1. DATA-TYPE, SOURCE AND COMPILATION
2. DATA PROCESSING
3. GEOGRAPHICAL PRESENTATION OF DATA

PRE BOARD-1

PART—A

1. HUMAN GEOGRAPHY NATURE AND SCOPE
2. THE WORLD POPULATION DISTRIBUTION , DENSITY AND GROWTH
3. HUMAN DEVELOPMENT
4. PRIMARY ACTIVITIES
5. SECONDARY ACTIVITIES
6. TERTIARY AND QUATERNARY ACTIVITIES
7. TRANSPORT COMMUNICATION AND TRADE

PART-B

1. POPULATION: DISTRIBUTION , DENSITY AND GROWTH
2. HUMAN SETTLEMENTS
3. LAND RESOURCES
4. WATER RESOURCES
5. MINERAL AND ENERGY RESOURCES
6. INDUSTRIES
7. PLANNING AND SUSTAINABLE DEVELOPMENT IN INDIAN CONTEXT
8. TRANSPORT, COMMUNICATION AND INTERNATIONAL TRADE
9. GEOGRAPHICAL PERSPECTIVE ON SELECTED ISSUE AND PROBLEMS

PART—C

1. DATA-TYPE, SOURCE AND COMPILATION
2. DATA PROCESSING
3. GEOGRAPHICAL PRESENTATION OF DATA

PRE BOARD-2

PART—A

1. HUMAN GEOGRAPHY NATURE AND SCOPE
2. THE WORLD POPULATION DISTRIBUTION , DENSITY AND GROWTH
3. HUMAN DEVELOPMENT
4. PRIMARY ACTIVITIES
5. SECONDARY ACTIVITIES
6. TERTIARY AND QUATERNARY ACTIVITIES
7. TRANSPORT COMMUNICATION AND TRADE

PART-B

1. POPULATION: DISTRIBUTION , DENSITY AND GROWTH
2. HUMAN SETTLEMENTS

3. LAND RESOURCES AND AGRICULTURE
4. WATER RESOURCES
5. MINERAL AND ENERGY RESOURCES
6. PLANNING AND SUSTAINABLE DEVELOPMENT IN INDIAN CONTEXT
7. TRANSPORT AND COMMUNICATION
8. INTERNATIONAL TRADE
9. GEOGRAPHICAL PERSPECTIVE ON SELECTED ISSUES AND PROBLEMS

PART—C

1. DATA-TYPE, SOURCE AND COMPILATION
2. DATA PROCESSING
3. GEOGRAPHICAL PRESENTATION OF DATA
4. SPATIAL INFORMATION TECHNOLOGY

PRE BOARD-3

PART—A

1. HUMAN GEOGRAPHY NATURE AND SCOPE
2. THE WORLD POPULATION DISTRIBUTION, DENSITY AND GROWTH
3. HUMAN DEVELOPMENT
4. PRIMARY ACTIVITIES
5. SECONDARY ACTIVITIES
6. TERTIARY AND QUATERNARY ACTIVITIES
7. TRANSPORT COMMUNICATION AND TRADE

PART-B

1. POPULATION: DISTRIBUTION, DENSITY AND GROWTH
2. HUMAN SETTLEMENTS
3. LAND RESOURCES AND AGRICULTURE
4. WATER RESOURCES
5. MINERAL AND ENERGY RESOURCES
6. PLANNING AND SUSTAINABLE DEVELOPMENT IN INDIAN CONTEXT
7. TRANSPORT AND COMMUNICATION
8. INTERNATIONAL TRADE
9. GEOGRAPHICAL PERSPECTIVE ON SELECTED ISSUES AND PROBLEMS

PART—C

1. DATA-TYPE, SOURCE AND COMPILATION
2. DATA PROCESSING
3. GEOGRAPHICAL PRESENTATION OF DATA
4. SPATIAL INFORMATION TECHNOLOGY

** Subject to change

HISTORY

UNIT TEST : 1

THEME :

1. Bricks, beads and bones .

2. Kings, farmers and towns.
3. Kingship, caste and class.
4. Thinkers, beliefs and buildings.

Art Integration.

MAP : Political map of India for map practice

UNIT TEST : 2

THEME :

5. Through the eyes of travellers .
6. Bhakti – sufi traditions.
7. An imperial capital – Vijayanagara.
8. Peasants, zamindars and the state.

MAP : Political map of India for map practice

Art Integration

PRE BOARD : 1

THEME :

4. Thinkers, beliefs and buildings.
9. Colonialism and the countryside.
10. Rebels and the raj.
11. Mahatma Gandhi & nationalist movement.

MAP : Political Map of India for map practice

Art Integration

PRE BOARD : 2

THEME :

Repeat chapters (according to importance) .

1. Bricks, beads and bones .
5. Through the eyes of travellers .
7. An imperial capital – Vijayanagara.
10. Rebels and the raj.
11. Mahatma Gandhi & nationalist movement.
12. Framing the constitution.

MAP : Political map of India for map practice

PROJECT : According to CBSE syllabus & by law .

Art Integration

PRE BOARD- 3:

Full Syllabus as per CBSE

** SUBJECT TO CHANGE

BIO TECHNOLOGY

UNIT TEST- 1

- 1) Recombinant DNA technology
- 2) Protein structure and engineering

UNIT TEST- 2

- 1) Genomics, Proteomics and Bio informatics
- 2) Microbial cell culture and its application

PRE-BOARD- 1

- 1) Recombinant DNA technology
- 2) Protein structure and engineering
- 3) Genomics, Proteomics and Bio informatics
- 4) Microbial cell culture and its application
- 5) Plant cell culture and applications
- 6) Animal cell culture and applications

PRE-BOARD- 2

Full Syllabus according to CBSE

PRE-BOARD- 3

Full Syllabus according to CBSE

** Subject to change

PHYSICAL EDUCATION

UNIT TEST- 1

- UNIT- 1 Changing Trends & Career in Physical Education
- UNIT 2 Olympic Value Education
- UNIT 3 Yoga

UNIT TEST- 2

- UNIT 4 Physical Education & Sports for CWSN
- UNIT 5 Physical Fitness, Wellness
- UNIT 6 Test, Measurements & Evaluation

PRE BOARD 1

- UNIT- 1 Changing Trends & Career in Physical Education
- UNIT 2 Olympic Value Education
- UNIT 3 Yoga
- UNIT 4 Physical Education & Sports for CWSN
- UNIT 5 Physical Fitness, Wellness
- UNIT 6 Test, Measurements & Evaluation
- UNIT 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT 9 Psychology and Sports
- UNIT 10 Training & Doping in Sports

PRE BOARD 2

- UNIT- 1 Changing Trends & Career in Physical Education
- UNIT 2 Olympic Value Education
- UNIT 3 Yoga
- UNIT 4 Physical Education & Sports for CWSN

- UNIT 5 Physical Fitness, Wellness
- UNIT 6 Test, Measurements & Evaluation
- UNIT 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT 9 Psychology and Sports
- UNIT 10 Training & Doping in Sports

PRE BOARD 3

- UNIT- 1 Changing Trends & Career in Physical Education
- UNIT 2 Olympic Value Education
- UNIT 3 Yoga
- UNIT 4 Physical Education & Sports for CWSN
- UNIT 5 Physical Fitness, Wellness
- UNIT 6 Test, Measurements & Evaluation
- UNIT 7 Fundamentals of Anatomy and Physiology in Sports
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**Subject to change
