

## **Class XI (CBSE) Annual Examination Syllabus (2023-24)**

### **1. English**

1. Comprehension passages
2. Note Making with Summary
3. Grammar: Questions on Gap filling (Tenses, Clauses)  
Questions on re-ordering/transformation of sentences
4. Writing Skills: Classified ads, display ads, poster, speech, debate, letter to the editor
5. Literature: Hornbill - The Portrait of a Lady , A Photograph , "We're Not Afraid to Die... if We Can be Together , Discovering Tut: the Saga Continues , The Laburnum Top , The Voice of the Rain , Childhood , The Adventure, Silk Road , Father to Son  
, Snapshots: The Summer of the Beautiful White Horse, The Address , Mother' Day, Birth, The Tale of Melon City

### **2. Physics**

Unit-I Physical World and Measurement Chapter-2: Units and Measurements  
Unit-II Kinematics Chapter-3: Motion in a Straight Line Chapter-4: Motion in a Plane  
Unit-III Laws of Motion Chapter-5: Laws of Motion  
Unit-IV Work, Energy and Power Chapter-6: Work, Energy and Power  
Unit-V Motion of System of Particles and Rigid Body Chapter-7: System of Particles and Rotational Motion  
Unit-VI Gravitation Chapter-8: Gravitation  
Unit-VII Properties of Bulk Matter Chapter-9: Mechanical Properties of Solids Chapter-10: Mechanical Properties of Fluids Chapter-11: Thermal Properties of Matter  
Unit-VIII Thermodynamics Chapter-12: Thermodynamics  
Unit-X Oscillations and Waves Chapter-14: Oscillations Chapter-15: Waves

### **3. Chemistry**

Unit 1 Some Basic Concepts of Chemistry  
Unit 2 Structure of Atom  
Unit 3 Classification of Elements and Periodicity in Properties  
Unit 4 Chemical Bonding and Molecular Structure  
Unit 5 Chemical Thermodynamics  
Unit 6 Equilibrium  
Unit 7 Redox Reactions  
Unit 8 Organic Chemistry  
Unit 9 Hydrocarbon

### **4. Biology:**

Chapter-1: The living world  
Chapter-2: Biological Classification  
Chapter-3: Plant Kingdom  
Chapter-4: Animal Kingdom

Chapter-5: Morphology of Flowering Plants  
Chapter-6: Anatomy of flowering Plants  
Chapter-7: Structural Organisation in Animals  
Chapter-8: Cell : The Unit of life  
Chapter-9: Biomolecules  
Chapter-10: Cell Cycle and Cell Division  
Chapter 11: Photosynthesis in Plants  
Chapter 12: Respiration In Plants  
Chapter 13: Plant Growth and Development  
Chapter-14: Breathing and Exchange of Gases  
Chapter 15: Body Fluids and Circulation  
Chapter 16: Excretory Products and their Elimination.  
Chapter 17:Locomotion and Movement  
Chapter 18: Neural Control and Coordination  
Chapter 19: Chemical Coordination and Integration

## **5. Computer Science**

Chapter: Computer System Overview  
Chapter: Data Representation  
Chapter: Boolean Logic  
Chapter: Python Fundamentals  
Chapter: Data Handling  
Chapter: Flow of Control  
Chapter: String Manipulation  
Chapter: List manipulation  
Chapter: Tuples  
Chapter: Dictionaries  
Chapter: Cyber Safety  
Chapter: Online Access and Computer Security

## **6. Mathematics (041)**

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex Numbers and Quadratic Equations.
5. Linear Inequalities
6. Permutations and Combinations
7. Binomial Theorem
8. Sequences and Series
9. Straight Lines
10. Conic Sections
11. Introduction to Three Dimensional Geometry
12. Limits and Derivatives
13. Statistics

14. Probability

### **7. Applied Mathematics**

1. Numbers
2. Indices and Logarithms
3. Quantitative Aptitude
4. Mensuration
5. Sets and relations
6. Sequences and Series
7. Permutations and Combinations
8. Logical Reasoning
9. Functions
10. Limits and Continuity
11. Differentiation
12. Probability
13. Descriptive Statistics
14. Compound interest and Annuity
15. Taxation
16. Utility bills
17. Straight lines
18. Circles and Parabola

### **8. Accountancy**

- Chapter-01 Introduction to Accounting
- Chapter-02 Theory Base of Accounting
- Chapter-03 Recording of Business Transactions
- Chapter-04 Bank Reconciliation Statement
- Chapter-05 Depreciation, Provisions, and Reserves
- Chapter-06 Trial Balance and Rectification of Errors
- Chapter-07 Financial Statements of Sole Proprietorship (with and without adjustment)
- Chapter-08 Incomplete Records

### **9. Business Studies**

- Chapter-01 Evolution and fundamentals of business
- Chapter-02 Forms of business organizations
- Chapter-03 Public, Private, and Global Enterprises
- Chapter-04 Business Services
- Chapter-05 Emerging modes of business
- Chapter-06 Social responsibility of Business and business ethics
- Chapter-07 Sources of Business Finance
- Chapter-08 Small business and enterprises
- Chapter-09 Internal trade
- Chapter-10 International Trade

## 10. Entrepreneurship

Chapter 1: Entrepreneurship: Concept and Functions

Chapter 2: An Entrepreneur

Chapter 3: Entrepreneurial Journey

Chapter 4: Entrepreneurship as Innovation and Problem solving

Chapter 5: Understanding the Market

Chapter 6: Business Finance and Arithmetic

Chapter 7: Resource Mobilization

## 11. Economics

### Part A: Statistics for Economics (40 Marks)

#### Unit 1: Introduction

What is Economics? Meaning, scope, functions and importance of statistics in Economics

#### Unit 2: Collection, Organisation and Presentation of data

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

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 (Non-Repeated Ranks and Repeated Ranks).

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, Simple Aggregative Method.

### Part B: Introductory Microeconomics (40 Marks)

#### Unit 4: Introduction

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

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

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 Revenue, Average Revenue 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: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only) Simple Applications of Demand and Supply: Price ceiling, Price floor.

### Part C: Project in Economics (20 Marks)

## 12. History

SECTION I EARLY SOCIETIES :

1. writing and City Life

SECTION II EMPIRES :

2. An Empire across Three Continents

3. Nomadic Empires

SECTION III: CHANGING TRADITIONS :

4. The Three Orders

5. Changing Cultural Traditions

SECTION IV: TOWARDS MODERNISATION :

6. Displacing Indigenous Peoples

7. Paths to Modernisation

## 13. Political Science

### Book 1 Indian Constitution At Work

1. Constitution: Why and How?

2. Rights in the Indian Constitution

3. Election and Representation

4. Executive

5. Legislature

6. Judiciary

7. Federalism

8. Local Governments

9. Constitution as a Living Document

10. The Philosophy of the Constitution

### Book 2 Political Theory

1. Political Theory: An Introduction

2. Liberty

3. Equality

4. Justice

5. Rights
6. Citizenship
7. Nationalism
8. Secularism

## **14. Geography**

### **Book 1 Fundamentals of physical Geography**

The origin and evolution of earth  
Interior of the Earth  
Distribution of oceans and continents  
Geomorphic processes  
Landforms and their evolution  
Composition and structure of atmosphere  
Solar radiation, heat balance and temperature  
Atmospheric circulation and weather systems  
Water in the atmosphere  
Water( Oceans)  
Movement of ocean water  
Biodiversity and conservation

### **Book 2 : India: Physical Environment**

India- Location  
Structure and Physiography  
Drainage System  
Climate  
Natural Vegetation  
Soils

### **Practicals**

Latitude, longitude, time  
Toposheet reading  
Contour diagrams  
Methods to represent relief  
Conventional signs  
Weather symbols  
Remote Sensing  
History of map making

## **15. Psychology**

Unit I: What is Psychology  
Unit II: Method of Enquiry in Psychology  
Unit IV: Human Development  
Unit V: Sensory, Attentional and Perceptual Processes  
Unit VI: Learning  
Unit VII: Human Memory

Unit VIII: Thinking

Unit IX: Motivation and Emotion

## **16 Legal Studies**

### **Unit 1 Introduction to Political Institutions**

Chapter 1 : Concept of State

Chapter 2 : Forms and Organs of Government

Chapter 3 : Separation of Powers

### **Unit 2 Basic Features of the Constitution of India**

Chapter 1 : Salient Features of the Constitution of India

Chapter 2 : Administrative Law

### **Unit 3 Jurisprudence, Nature and Sources of Law**

Chapter 1 : Jurisprudence, Nature and Meaning of Law

Chapter 2 : Classification of Laws

Chapter 3 : Sources of Laws

Chapter 4 : Law Reforms Chapter 5 : Cyber Laws, Safety and Security in India

### **Unit 4 Judiciary : Constitutional, Civil and Criminal Court & Processes**

Chapter 1: Judiciary: Constitutional, Civil & Criminal Courts and Processes

### **Unit 5 Family Justice System**

Chapter 1 : Institutional Framework - Marriage and Divorce

Chapter 2 : Child Rights

Chapter 3 : Adoption

Chapter 4 : Property, Succession and Inheritance

Chapter 5 : Prevention of Violence against Women

## **17. Physical Education**

Unit 01: Changing Trends & Career in Physical Education.

Unit 02: Olympism.

Unit 03: Yoga.

Unit 04: Physical Education & Sports for CWSN.

Unit 05: Physical Fitness, Health and Wellness.

Unit 06: Test, Measurement & Evaluation.

Unit 07: Fundamentals of Anatomy, Physiology in Sports.

Unit 08: Fundamentals of Kinesiology and Biomechanics in Sports.

Unit 09: Psychology & Sports.

Unit 10: Training and Doping in Sports.

## **18. Painting**

### **Theory (30 Marks)( 2 Hrs)**

UNIT 1: Pre-Historic Rock Paintings and Art of Indus Valley

UNIT 2: Buddhist, Jain, and Hindu Art

UNIT 3: Temple Sculpture, Bronze and Aspects of Indo-Islamic Architecture

### **Practical (70 Marks)(6 Hrs)**

Still life: 25 Marks (3 hrs.)

Pictorial Composition: 25 Marks (3 hrs.)  
Sessional Submission: 20 Marks

### **19. Dance (Kathak)**

Annual Examination Syllabus

- Acquaintance with the themes of Ramayana, Mahabharat, Bhagwat Puraan and Geet Govind in context of kathak.
- Describing the dance drama or gat bhaav like Kalia daman, Govardhan lila, Panghat lila, Learn Kathak-specific notation in teen Taal. And jhaptaal
- Acquaintance with the technical dance part of kathak, ghungroo and its literary contents: abhinay, bhajan
- Acquaintance with the technical dance part of kathak, ghungroo and its literary contents: thumri, dadra, ghazals
- Acquaintance with the technical dance part of kathak, ghungroo and its literary contents: dhrupad, kavit, etc.
- Learn Kathak-specific notation in teen Taal. And jhaptaal
- History of kathak Dance
- Describing the dance drama or gat bhaav like Marich vadh, Bhasmasur vadh, Madan dahan
- Distinctive aspects of kathak: upaj, chakkars, etc.
- Definitions and short explanations of Nritya, Natya, Nritya, Tandav, Lasya, Anga, Upanga, Pratyanga
- Learn Kathak-specific notation in teen Taal and jhaptaal
- Project File
- Short description of Mohiniattam, Odissi, Kuchipudi, Bharatnatyam, Manipuri and Kathakali

### **20. Hindustani Classical Music**

Definitions : Sangeet, Dhwani, Naad, Shruti, Swar, Saptak, Thaata, Jati, Laya, Taal, Margi Sangeet, Deshi Sangeet, Raag, Nibaddha Gaan, Anibaddha Gaan, Swarmalika, Lakshan Geet.

Brief History of Dhrupad, Khayal and Tarana.

Brief History of Gharana.

Brief study of Musical Elements in Natya Shastra and Vrahaddeshi.

Biographies.

Notations of Talas.

Brief study of Tanpura and Tabla.

Identify the Ragas.

Descriptions of the Ragas.