

CLASS 11 (2024-2025)
SYLLABUS OF ANNUAL EXAMINATION

1. ENGLISH -

1. Comprehension passage: Passage one factual, descriptive or literary. Passage two case-based factual passages with verbal/visual inputs.

2. Note Making and Summarization

3. Grammar: Questions on Gap filling (Tenses, Clauses), Questions on re-ordering/transformation of sentences

4. Creative Writing Skills: Classified Advertisements, Poster, Speech, Debate

5. Literature: Hornbill: 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

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

2. PHYSICS -

Chapter 2: Units and Measurements (Dimensional Analysis)

Chapter 3: Motion in a straight line.

Chapter 4: Motion in a Plane

Chapter 5: Laws of Motion

Chapter 6: Work, Energy and Power

Chapter 7: Systems of particles and Rotational motion

Chapter 8: Gravitation

Chapter–9: Mechanical Properties of Solids

Chapter 10: Mechanical Properties of Fluids

Chapter 11: Thermal Properties of Matter

Chapter–12: Thermodynamics

Chapter–13: Kinetic Theory

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 Thermodynamics

Unit 6 Equilibrium

Unit 7 Redox Reactions

Unit 8 Organic Chemistry

Unit 9 Hydrocarbons.

4. BIOLOGY -

Unit-I Diversity in living organisms

- Chapter-1: The living world
- Chapter-2: Biological classification
- Chapter-3: Plant kingdom
- Chapter-4: Animal kingdom

Unit-II Structural organization

- Chapter-5: Morphology of plants
- Chapter-6: Anatomy of flowering plants
- Chapter-7: Structural organization in animals

Unit –III Structure and functions

- Chapter-8: Cell: The unit of life
- Chapter-9: Biomolecules
- Chapter-10: Cell cycle and cell division

Unit-IV Plant physiology

- Chapter-13: Photosynthesis in higher plants
- Chapter-14: Respiration in plants
- Chapter-15: Plant growth and development

Unit-V Human physiology

- Chapter-17: Breathing and exchange of gases
- Chapter-18: Body fluids and circulation
- Chapter-19: Excretory products and their elimination
- Chapter-20: Locomotion and movements
- Chapter-21: Neural control and coordination
- Chapter-22: Chemical coordination and integration

5. PURE MATHEMATICS -

- Chapter 1: Sets
- Chapter 2: Relation and Function
- Chapter 3: Trigonometric Functions
- Chapter 4: Complex Numbers and Quadratic Equations
- Chapter 5: Linear Inequalities
- Chapter 6: Permutations and Combinations
- Chapter 7: Binomial Theorem
- Chapter 8: Sequences and Series
- Chapter 9: Straight Lines
- Chapter 10: Conic Sections
- Chapter 11: Introduction to Three-dimensional Geometry
- Chapter 12: Limits and Derivatives
- Chapter 13: Statistics
- Chapter 14: Probability

6. APPLIED MATHEMATICS –

- Chapter 1: Numbers.
- Chapter 2: Indices and Logarithms.
- Chapter 3: Quantitative Aptitude.
- Chapter 4: Mensuration.
- Chapter 5: Sets and Relations.
- Chapter 6: Sequences and Series.
- Chapter 7: Permutations and Combinations.
- Chapter 8: Logical Reasoning.
- Chapter 9: Functions.
- Chapter 10: Limits and Continuity.
- Chapter 11: Differentiation.
- Chapter 12: Probability.
- Chapter 13: Descriptive Statistics.
- Chapter 14: Compound Interest and Annuity.
- Chapter 15: Taxation.
- Chapter 16: Utility Bills.
- Chapter 17: Straight Line.
- Chapter 18: Circle and Parabola.

7. COMPUTER SCIENCE -

- Chapter 1: Computer System Overview
- Chapter 2: Data Representation
- Chapter 3: Boolean Logic
- Chapter 4: Introduction to Problem Solving
- Chapter 5: Getting started with Python
- Chapter 6: Python Fundamentals
- Chapter 7: Data Handling
- Chapter 8: Introduction to Python Modules
- Chapter 9: Flow of Control
- Chapter 10: String Manipulation
- Chapter 11: List Manipulation
- Chapter 12: Tuples
- Chapter 13: Dictionaries
- Chapter 14: Cyber Safety
- Chapter 15: Society, Law and Ethics

8. HISTORY -

- Chapter 1: writing and city life
- Chapter 2: An empire across three continents.
- Chapter 3: nomadic empires
- Chapter 4: the three orders
- Chapter 5: changing cultural traditions
- Chapter 6: displacing indigenous peoples
- Chapter 7: paths to modernisation.

9. POLITICAL SCIENCE -

PART A- 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

PART B-POLITICAL THEORY

1. Political Theory: An Introduction
2. Freedom
- 3 Equality
4. Social Justice
5. Rights
6. Citizenship
7. Nationalism
8. Secularism

10. GEOGRAPHY -

BOOK I FUNDAMENTALS OF PHYSICAL GEOGRAPHY

- Ch-2 Origin and Evolution of Earth
- Ch-3 Interior of the Earth
- Ch-4 Distribution of Ocean and Continents
- Ch-6 Geomorphic Processes
- Ch-7 Landform and their Evolution
- Ch-8 Composition and Structure of Atmosphere
- Ch-9 Solar radiation, Heat Balance and Temperature
- Ch-10 Atmospheric Circulation and Weather System
- Ch-11 Water in the Atmosphere
- Ch-13 Water [Oceans]
- CH-14 Movements of water
- Ch-16 Biodiversity and Conservation

BOOK II INDIA: PHYSICAL GEOGRAPHY

- Ch.1 India – location
- Ch-2 Structure and Physiography
- Ch-3 Drainage system
- Ch-4 Climate
- Ch-5 Natural Vegetation
- Ch-6 Soils

- PRACTICALS:** 1. History of map making 2. Latitude, longitude and time 3. Toposheet reading
4. Contours 5. Weather instruments and weather chart

11. ECONOMICS -

Part A Statistics

Unit 1

1-Economics: An Introduction

2-Meaning, scope and importance of statistics

UNIT 2

3-Collection of data

4-Organization of data

5-Tabular Presentation

6-Diagrammatic Presentation

7-Graphic Presentation

UNIT 3

8- Measures of Central Tendency- Mean

9- Measures of Central Tendency- Median and Mode

10- Measures of correlation

11- Index Numbers

Part B - Microeconomics

Unit 4

1- Introduction

Unit 5

2- Consumer's Equilibrium

3- Demand

4- Elasticity of Demand

Unit 6

5- Production Function

6 - Cost

7 - Revenue

8 - Producer's Equilibrium

9- Supply

Unit 7

10- Main market forms

11 - Price Determination and Simple applications

12. ACCOUNTANCY -

1. Meaning and objective, Scope and Nature of Accounting

2. Basic Accounting terms

3. Accounting Principles

4. Process and Bases of Accounting

5. Accounting Standards

6. Accounting Equation

7. Double Entry System

8. Origin of Transactions: Source documents of Accountancy

9. Books of original entry: Journal

10. Accounting for Goods and Services Tax

11. Books of original entry - Cash Book

12. Books of original entry - Special purpose Subsidiary Books

13. Ledger

14. Trial Balance and errors

15. Bank Reconciliation Statement

16. Depreciation

17. Provision and reserves

18. Rectification of errors

19. Capital and revenue

20. Financial Statements with adjustments

21. Accounts from incomplete records

13. 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 MSME and Entrepreneurship
Chapter-09 Internal trade
Chapter-10 International Trade

14. ENTREPRENEURSHIP-

Unit 1: Entrepreneurship: Concept and Functions
Unit 2: An entrepreneur
Unit 3: Entrepreneurial Journey
Unit 4: Entrepreneurship as Innovation and Problem Solving
Unit 5: Concept of Market
Unit 6: Business Finance and Arithmetic
Unit 7: Resource Mobilization

15. PSYCHOLOGY -

Theory-

- Chapter 1- What is Psychology?
- Chapter 2- Methods of Enquiry.
- Chapter 3- Human Development
- Chapter 4- Sensory, Attention and Perceptual processes
- Chapter 5- Learning
- Chapter 6- Human Memory
- Chapter 7- Thinking
- Chapter 8- Motivation and Emotion

Practical-

- 2 Experiments- Division of Attention and Learning Curve
- Project work

16. LEGAL STUDIES –

Unit 1 Introduction to Political Institutions
Unit 2 Basic Features of The Constitution of India
Unit 3 Jurisprudence, Nature and Sources of Laws
Unit 4 Judiciary: Constitutional, Civil and Criminal Courts and Processes
Unit 5 Family Justice System
Project Work

17. PHYSICAL EDUCATION -

Unit - I - Changing Trends and Careers in Physical Education

Unit - II - Olympism Value Education

Unit - III - Yoga

Unit - IV - Physical Education and Sports for Children with Special Needs

Unit - V - Physical Fitness, Wellness, and Lifestyle

Unit - VI - Test, Measurement & Evaluation

Unit - VII - Fundamentals of Anatomy, Physiology in Sports

Unit - VIII - Fundamentals of Kinesiology and Biomechanics in Sports

Unit - IX - Psychology and Sports

Unit - X - Training & Doping in Sports

18. PAINTING -

1. Elements and Principles of Art
2. Wizard's dance - Bhimbetka
3. Dancing girl of Mohenjo-daro
4. Terracotta Mother Goddess of Mohenjo-daro
5. Lion Capital from Saranath
6. Chauri Bearer of Didar Ganj
7. Jain Tirthankar of Gupta period
8. Art of Ajanta (EXCLUDING: Bodhisattva Padmapani and Mara Vijay)
9. The basic form of Hindu Temples
10. Descent of Ganga
11. Trimurti
12. Introduction to Indian Bronzes and Chola bronze Nataraj.
13. Introduction to Indo-Islamic architecture, Gol Gumbad and Qutub Minar

19. HINDUSTANI CLASSICAL VOCAL MUSIC -

Unit:1.1: Brief of the following

Nada, Shruti, Swara, Saptak, Thaata, Jati, Laya, Tala.

Unit:1.2: Brief study of the following

Margi, Desi, Raga

Unit:2.1: Brief History of the following

Dhrupad, Khayal, Tarana

Unit:2.2: Brief History of Gharana

Unit:3.1: Brief study of Musical Elements in Natya Shastra

Unit:3.2: Life sketch and contribution Tansen, V.N. Bhatkhande & V.D. Paluskar

Unit:4.1: Description of prescribed Talas along with Tala notation with Thah, Dugun, Chaugun.

Teentala, Ektala, Chautala

Unit:4.2: Knowledge of the structure of Tanpura

Unit:5.1: Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Jaunpuri.

Unit:5.2 Writing in notation the compositions of prescribed Ragas:

- Bihag
- Bhimpalasi
- Bhairavi

20. DANCE-

Chapter 01: Acquaintance with the themes of Ramayana, Mahabharat, Bhagwat Puraan and Geet Govind in context of Kathak

Chapter 02: Describing the Dance Drama or Gat Bhaav like Kalia Daman, Govardhan Lila
Learn Kathak- specific notation in teen Taal and Jhaptaal Acquaintance with the Kathak Costumes

Chapter 03: Describing the Dance Drama or Gat Bhaav Like Draupadi Cheerharan and Makhan Chori

Chapter 04: Acquaintance with the technical dance part of Kathak, Ghungroo and its literary contents: Abhinay, Bhajan

Chapter 05: Acquaintance with the technical dance part of Kathak, Ghungroo and its literary contents: Thumri, Dadra, Ghazals

Chapter 06: Acquaintance with the technical dance part of Kathak, Ghungroo and its literary contents: Dhrupad, Kavita, etc.

Chapter 07: Learn Kathak- specific notation in teen Taal and Jhaptaal

Chapter 08: History of Kathak Dance

Chapter 09: Describing the Dance Drama or Gat Bhaav like Marich Vadh, Bhasmasur Vadh, Madan Dahan, Distinctive aspects of Kathak: Upaj, Chakkars, etc.

Chapter 10: Definitions and short explanations of Nritya, Natya, Nritya, Tandav, Lasya, Anga, Upanga, Pratyanga

Chapter 11: Learn Kathak- Specific Notation in Teen Taal and Jhaptaal

Chapter 12: Project File

Chapter 13: Short description of Mohiniattam, Odissi, Kuchipudi, Bharatnatyam, Manipuri and Kathakali

21. HINDUSTANI MUSIC PERCUSSION INSTRUMENTS TABLA-

Unit:1.1: Description of the talas prescribed for class XI

Unit:1.2: Description of the following. Kala, laya, sangeet

Unit:2.1: Brief Knowledge of Natyashastra with special reference to Awanaddh vadya.

Unit:3.1: Short life sketch of Kudau Singh, Nana panse

Unit:4.1: Brief Knowledge of Banaras gharana

Unit:4.2: Salient feature of kudau Singh gharana of pakhawaj.

Unit:5.1: Ability to write in notation of the prescribed talas and compositions in Thah (Brabar),
Dugun, Chaugun layas.

Unit:5.2: Ability to do Tala notation of compositions in prescribed talas. Prescribed Talas: Teentala and
Jhaptala.

22. HINDUSTANI MUSIC MELODIC INSTRUMENTS-

Unit 1.1: Brief study of following

Nada, Shruti, Swara, Saptak, Thaata, jati, laya, tala

Unit 1.2: Brief study of the following

Margi, desi, Raga, Gat.

Unit 2.1: Brief History of the following.

Masit khani and Raza khani gat

Unit 2.2: Brief study of various gharanas

Unit 3.1: Brief study of Musical elements in Natyashastra and Brihddeshi

Unit 3.2: Life sketch and contribution of Tansen, V.N Bhatkhande and V.D. Pluskar

Unit 4.1: Description of Prescribed Talas along with Tala notations-

Thah, Dugun Chaugun, and Sultala

Unit 4.2: Knowledge of the structure of the instrument opted for.

Unit 5.1: Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Jaunpuri.

Unit 5.2 Writing in notation the compositions of prescribed Ragas