# CLASS 11 FINAL EXAM SYLLABUS

## HORNBILL - PROSE

1. THE PORTRAIT OF A LADY

2. WE'RE NOT AFRAID TO DIE..

3. THE ADVENTURE

4. SILK ROAD

## HORNBILL- POETRY

1. A PHOTOGRAPH

2. THE LABURNUM TOP

3. THE VOICE OF THE RAIN

4. CHILDHOOD

5. FATHER TO SON

## SNAPSHOTS

1. THE SUMMER OF THE BEAUTIFUL WHITE HORSE

2. THE ADDRESS

3. MOTHER'S DAY

4. BIRTH

5. THE TALE OF MELON CITY

## WRITING SKILLS

1.POSTER

2. ADVERTISEMENTS (CLASSIFIED AND DISPLAY)

3. SPEECH

4. DEBATE

## READING SKILLS

1. COMPREHENSION PASSAGE

2. NOTEMAKING + SUMMARY

GRAMMAR

1. TRANSFORMATION OF SENTENCES

2. JUMBLED WORDS

& ALL CONCEPTS TAUGHT THROUGH THE YEAR

*BUSINESS STUDIES*

CLASS 11

ANNUAL EXAMINATION COURSE 2024-2025

1. Forms of Business Organizations

Partnership organization

Cooperative organizations

Company and its formation

2. Public Private and Global organization

Departmental Undertakings

Public Corporation

Government Companies

Multi National Companies

Joint venture

Public Private Partnership

3. Business Service

Insurance

Banking

4. Social Responsibility and Business Ethics

5. Sources of business finance

6. Internal Trade

*ACCOUNTANCY*

CLASS 11

ANNUAL EXAMINATION COURSE 2024-2025

1. Introduction to Accountancy

2. Recording transactions in the books of original entry

    (a) Journal

    (b) Special Purpose  Book- Cash Book and Petty Cash Book

(c) Bank Reconciliation Statement

(d) Depreciation- Provisions and Reserves

(e) Trial Balance and Rectification of Errors

(f) Capital and Revenue Items

3. Financial Statements of Sole Proprietorship Organization

Informatics practices

Chapter 1-Emerging trends

Chapter - computer system

Chapter -python( fundamentals,  loops, conditional statements,  list and dictionary)

 Chapter - mysql (database)

Entrepreneurship Class 11

Unit 1 Entrepreneurship Concept and Functions

Unit 2 An entrepreneur

Unit 3 Entrepreneurial Journey

Unit 4 Entrepreneurship as Innovation and Problem Solving

Unit 5 Understanding the Market

Unit 6 Business Finance and Arithmetic

Unit 7 Resource Mobilisation

FINAL TERM COMPUTER SYLLABUS

Grade 11

Computational Thinking and Programming

Introduction to Python,

•	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

•	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 operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)

•	Type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.

•	Errors- syntax errors, logical errors, and run-time errors

•	Conditional statements: if, if-else, if-elif-else,

•	Iterative statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops

Strings:

Introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–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 and slicing), traversing a list using loops, built-in functions/methods–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 and slicing); built-in functions/methods – 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 a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted();

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()).

Society, Law and Ethics

Digital Footprints

Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes

Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)

Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying

Cyber safety: safely browsing the web, identity protection, confidentiality

Malware: viruses, trojans, adware

E-waste management: proper disposal of used electronic gadgets.        Information Technology Act (IT Act)

Technology and society: Gender and disability issues while teaching and using computers

# APPLIED MATHS FINAL TERM SYLLABUS 2024-25

# CLASS-11

1. Numbers
2. Indices and logarithm

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 bill

# CLASS 11<sup>TH</sup>

## **PSYCHOLOGY - FINAL TERM  SYLLABUS 2024-25**

CHAPTER 1 – WHAT IS PSYCHOLOGY?

CHAPTER 2 – METHODS OF PSYCHOLOGICAL ENQUIRY

CHPATER 5 - ATTENTION AND PERCEPTION

CHPATER 6 – LEARNING

CHAPTER 7 - HUMAN MEMORY

CHAPTER 8 – THINKING

CHAPTER 9 – MOTIVATION AND EMOTIONS

**CLASS 11:**

1. Still life study (pencil shading)
2. Nature Study (pencil shading)
3. Copy work of the painting of B. Prabha
4. Face Study
5. Figure Study
6. Modern landscape coloured
7. Composition of sun flowers
8. Composition on sports
9. Nature study (pencil shading)
10. Still life study (pencil shading)
11. Painting composition of artist (Tyeb Mehta)

Class XI syllabus for final Examination 2024-25

Unit 1. Changing trends & career in physical Education.

Unit 2. Olympism value education.

Unit 3. Yoga

Unit 4. Physical Education

 and sports for children with special needs.

Unit 5. Physical fitness, wellness,  and lifestyle.

Unit 6. Test, measurement and evaluation.

Unit 7. Fundamentals of Anatomy, Physiology in sports.

Unit 8. Fundamentals of Kinesiology and Biomechanics in sports.

Unit 9. Psychology & sports.

Unit 10. Training& Doping in sports.

Syllabus of class 11th mathematics 2024-25

1. Sets

2. Relations and functions

3. Trigonometry equations

4. Linear inequalities

5. Complex numbers and quadratic equations

6. Permutations and combinations

7. Sequence and series

8. Binomial theorem

9. Straight lines

10. Conic sections

11. Three dimensional geometry

12. Statistics

13. Probability

14. Limits and derivatives

# CLASS 11 - POLITICAL SCIENCE - FINAL TERM SYLLABUS 2024-25

**BOOK 1 - INDIAN CONSTITUTION**

1.      Constitution How and Why?

2.      Rights in the Indian Constitution

3.      Election and Representation

4.      The Executive

5.      Legislature

6.      Judiciary

7.      Federalism

8.      Local Governments

**BOOK 2 - POLITICAL THEORY**

1.      Freedom

2.      Equality

3.      Social Justice

4.      Rights

5.      Citizenship

6.      Secularism

# HISTORY – CLASS 11 - FINAL TERM SYLLABUS 2024-25

CHAPTER 1 - " BEGINNING OFWRITING AND CITY LIFE"

CHAPTER 2 - " EMPIRE ACROSS THREE CONTINENTS "

CHAPTER 3- "NOMADIC EMPIRES "

CHAPTER 4- "THREE ORDERS "

CHAPTER 5- " CHANGING CULTURAL TRADITIONS "

CHAPTER 6-" DISPLACING INDIGENOUS PEOPLE "

CHAPTER 7 -" PATH TO MODERNIZATION "

" MAP WORK"

# CLASS 11
## GEOGRAPHY FINAL TERM SYLLABUS (2024-25)

**Paper – 1 - Physical Geography**

Chapter 1 - Geography as a Discipline
Chapter 2 - Origin and evolution of the Earth
Chapter 3 - Interior of the Earth
Chapter 4 - Distribution of oceans and continents
Chapter 5 - Geomorphic Processes
Chapter 6 - Landforms and their evolution
Chapter 7 - Composition and structure of atmosphere
Chapter 8 - Solar radiation, heat balance, temperature
Chapter 9 - Atmospheric circulation and weather
Chapter 10 - Water in the atmosphere
Chapter 12 - Water (Oceans)
Chapter 13 - Movements of ocean water

**Paper – 2 - India: Physical Environment**

Chapter 1 - India: Location
Chapter 2 - India: Structure and Physiography
Chapter 3 - India: Drainage system
Chapter 4 - India: Climate
Chapter 5 - India: Natural Vegetation

**Paper – 3 - Practical Geography**

Chapter 1 - Introduction to Maps
Chapter 2 - Map Scale
Chapter 3 - Latitude, Longitude and Time
Chapter 4 - Map Projections
Chapter 5 - Topographical Maps
Chapter 7 - Introduction to Remote Sensing

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# SYLLABUS PHYSICS- CLASS 11

| CHAPTER | IMPORTANT TOPICS | WEIGHTAIGE |
|---|---|---|
| **MOTION IN A PLANE** | 1. VECTORS<br>2. PROJECTILE MOTION<br>3. UCM | 4MARKS |
| **LAWS OF MOTIN** | 1. NUMERICALS ON FBDs<br>2. MOTION OF A CAR<br>3. FRICTION | 5MARKS |
| **WORK, ENERGY & POWER** | 1. WORK-ENERGY THEOREM (PROOF & NUMERICAL)<br>2. COLLISION | 5MARKS |
| **ROTATIONAL MOTION** | 1. CENTRE OF MASS<br>2. TORQUE<br>3. PRINCIPLE OF MOMENTS<br>4. ANGULAR MOMENTUM<br>5. MOMENT OF INERTIA | 8MARKS |
| **GRAVITATION** | 1. ACCELERATION DUE TO GRAVITY & NUMERICALS<br>2. NUMERICALS ON NEWTON'S LAW<br>3. ESCAPE VELOCITY<br>4. KEPLAR'S LAWS | 8 MARKS |
| **ELASTICITY** | 1. MODULI OF ELASTICITY (YOUNG'S, BULK & SHEAR MODULUS)<br>2. STRESS-STRAIN CURVE | 4 MARKS |
| **FLUID MECHANICS** | 1. FLUID PRESSURE<br>2. VISCOSITY<br>3. TYPES OF FLOW<br>4. PRINCIPLE OF CONTINUITY<br>5. BERNOULLI'S THEORE, & APPLICATIONS<br>**(NO SURFACE TENSION & CAPILLARITY TOPIC)** | 10MARKS |
| **THERMAL PROPERTIES OF MATTER** | 1. THERMAL EXPANSION<br>2. CONDUCTION, CONVECTION & RADIATION<br>3. THERMAL CONDUCTIVITY<br>4. NEWTON'S LAW OF COOLING<br>5. HEAT CAPACITY<br>6. LATENT HEAT<br>7. PRINCIPLE OF CALORIMETRY | 8MARKS |

| THERMODYNAMICS | 1. FIRST LAW OF THERMODYNAMICS<br>2. THERMODYNAMIC PROCESSES<br>3. ISOTHERMAL PROCESS WORK DONE & NUMERICALS<br>4. ADIABATIC PROCESS WORK DONE & NUMERICALS | 8MARKS |
|---|---|---|
| OSCILLATIONS | 1. PERIODIC FUNCTIONS<br>2. PERIODIC MOTION<br>3. DISPLACEMENT, VELOCITY, ACCELERATION, ENERGIES IN SHM<br>4. TIME PERIOD OF A SIMPLE PENDULUM, CYLINDRICAL FLOATING BODY & SPRING<br>5. DAMPED & FORCED OSCILLATIONS | 10MARKS |

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## CHEMISTRY

**1. Some basic concepts of chemistry**

**2. Structure of atom**

**3. Classification of elements and periodicity in properties**

**4. Chemical bonding and molecular structure**

**5. Chemical thermodynamics**

**6. Equilibrium**

**7. Redox reactions**

**8. Organic chemistry: Some basic principles and techniques**

**9. Hydrocarbons**