

APEX PUBLIC SCHOOL
FINAL EXAMINATION 2023-2024
CLASS XI



NOTHING IS IMPOSSIBLE. The word itself says 'I' m possible! – Audrey Hepburn

'A prayer for our dear students'

Thank you, Lord, for the gift of wisdom, knowledge and understanding you have bestowed upon our children. Help them write this Final exam with confidence and success. May you strengthen them to finish well and pass class XI with excellent results. Amen

APEX PUBLIC SCHOOL
FINAL EXAMINATION SYLLABUS 2023-2024
CLASS XI

ENGLISH

- HORNBILL**
1. The Portrait of a Lady
 2. “We’re Not Afraid to Die... if We Can be Together
 3. Discovering Tut: The Saga Continues
 4. The Adventure
 5. Silk Road

- SNAPSHOTS**
1. The Summer of the Beautiful White Horse
 2. The Address
 3. Mother’s Day
 4. Birth
 5. The Tale of Melon City

POETRY SECTION

The Laburnum Top

A Photograph

The Voice of the Rain

Father to Son

Childhood

WRITING SECTION _Advertisement, Poster, Speech Writing and Debate

GRAMMAR SECTION

Topic- 1 Questions on Gap Filling (Tenses, Active & Passive Voice)

Topic-2 Questions on Reordering

MATHEMATICS

1. Sets
2. Relation and Functions
3. Trigonometry
4. Complex Numbers
5. Linear Inequalities
6. Permutations and Combinations
7. Binomial Expansion
8. Sequence and Series
9. Straight line
10. Conic Section
11. 3-D
12. Limits and Derivatives
13. Statistics
14. Probability

PHYSICS

- Ch 1 - Units and Measurement
- Ch 2 - Motion in a Straight Line
- Ch 3 - Motion in a Plane
- Ch 4 - Laws of Motion
- Ch 5 - Work, Energy and Power
- Ch 6 - Systems of Particles and Rotational Motion
- Ch 7 - Gravitation
- Ch 8 - Mechanical Properties of Solids
- Ch 9 - Mechanical Properties of Fluids
- Ch 10 - Thermal Properties of Matter
- Ch 11 - Thermodynamics
- Ch 12 - Kinetic Theory
- Ch 13 - Oscillations
- Ch 14 – Waves

CHEMISTRY

- Ch-1 Some basic concepts of chemistry
- Ch-2 Structure of atom
- Ch-3 Classification of elements and periodicity of properties
- Ch-4 Chemical bonding and molecular structure
- Ch-5 Thermodynamics
- Ch-6 Equilibrium
- Ch-7 Redox reactions
- Ch-8 Organic reactions: -Some basic principles and techniques
- Ch-9 Hydrocarbons

BIOLOGY

- Ch 5: Morphology of Flowering plants
- Ch 6: Anatomy of Flowering plants
- Ch 8: Cell: The Unit of Life
- Chr 9: Biomolecules
- Ch 10: Cell cycle and Cell Division
- Ch 11: Photosynthesis in Higher Plants
- Ch 12: Respiration in Plants
- Ch 13: Plant Growth and Development
- Ch 14: Breathing and Exchange of Gases
- Ch 15: Body Fluids and Circulation
- Ch 16: Excretory Products and their Elimination
- Ch 17: Movement and Locomotion
- Ch 18: Neural Control and Coordination
- Ch19: Chemical Coordination and Integration

ECONOMICS XI (C& H)

Part-B: Statistics for economics (40 marks)

1. Concept of economics and significance of statistics in economics
2. Organisation of data
3. Diagrammatic presentation: bar diagram and pie diagram
4. Frequency diagram: histogram, polygon and ogive
5. Arithmetic mean
6. Median and mode
7. Correlation
8. Index number

Part-B: micro economics (40 marks)

1. Central problems of an economy
2. Consumers equilibrium - utility analysis
3. Consumers equilibrium – indifference curve analysis
4. Theory of demand
5. Price elasticity of demand
6. Production function and returns to a factor
7. Concept of cost
8. Producer's equilibrium
9. Theory of supply
10. Forms of market: perfect competition
11. Market equilibrium: under perfect competition and effects of shifts in demand and supply

BUSINESS STUDIES

Ch 1: Nature and Purpose of Business

Ch 2: Forms of Business Organisations

Ch 3: Public, Private and Global Enterprises

Ch 4: Business Services

Ch 5: Emerging Modes of Business

Ch 6: Social Responsibility of Business and Business Ethics

Ch 7: Sources of Business Finance

Ch 8: Small Business and Enterprises

Ch 9: Internal Trade

Ch 10: International Trade

ACCOUNTANCY

Part A Financial Accounting 1

Unit 1 Theoretical Framework (12 marks)

Unit 2 Accounting Process (44 marks)

Part B Financial Accounting II

Unit 3 Financial Statements of sole proprietorship (24 marks)

Part C Project Work (20 marks)

POLITICAL SCIENCE

PART A: INDIAN CONSTITUTION AT WORK

1.CONSTITUTION

CONSTITUTION: The philosophy and making of the constitution
Fundamental Rights and Duties; Directive Principles of state policy

2. ELECTION AND REPRESENTATION

Election and Democracy, Election system in India

3. LEGISLATURE

Why do we need a parliament? Functions and power of the Parliament.

4.EXECUTIVE

Parliamentary Executive in India; The President, The Prime minister
Bureaucracy

5.JUDICIARY

Why do we need an Independent Judiciary?
Judicial Review Judicial activism

6. FEDERALISM

Meaning of Federalism, Evolution and growth of federalism
Quasi Federalism, cooperative and competitive Federalism.

7. LOCAL GOVERNMENT

Why do we need Local Governments? Growth of Local Governments in India, 73rd and 74th
Constitutional Amendments, Working and Challenges of Local Governments. 40 Marks

PART B: POLITICAL THEORY

8. POLITICAL THEORY: AN INTRODUCTION

What is Politics? Politics vs Political Theory, Importance of Political Theory.

9. FREEDOM Liberty vs Freedom, Negative and Positive Liberty.

10. EQUALITY

What is Equality? Significance of Equality, Various Dimensions of Equality, how can we promote Equality?

11. JUSTICE

What is Justice? Different Dimensions of Justice, Distributive Justice.

12. RIGHTS

What are Rights? History of Rights, Kind of Rights, Human Rights.

13. CITIZENSHIP

Citizens and Citizenships, Citizen and Nation, Global Citizens.

14. SECULARISM What is Secularism? Western and Indian Perspectives of Secularism, Salient Features of Indian Secularism.

HISTORY

Theme 2: An Empire across Three Continents

Theme 3: Nomadic Empires

Theme 4: The Three Orders

Theme 5: Changing Cultural Traditions

Theme 6: Displacing Indigenous People

Theme 7: Paths to Modernisation

GEOGRAPHY

Theory 70 Map work 30

Book Fundamental of Human Geography

1. Geography as a Discipline
2. The Origin and Evolution of the Earth
3. Interior of the Earth
4. Distribution of oceans and continents
5. Geomorphic Processes
6. Landform and their Evolution
7. Composition and Structure of Atmosphere
8. Solar Radiation, Heat balance and Temperature
9. Atmospheric Circulations and Weather Systems
10. Water in the Atmosphere

Book India Physical Environment

- 1 India- Location
- 2 Structure and Physiography
- 3 Drainage System
- 4 Climate
- 5 Natural Vegetation

Practical Part 1 (Practical File and viva)

Ch 1 Introduction to maps

Ch 2 Map Scale

Ch 3 Latitude Longitude and Time

Ch 4 Introduction to remote sensing

SOCIOLOGY

Unit A - Introducing Sociology

1. Sociology, Society and its relationship with other Social Science disciplines
2. Terms, concepts and their use in Sociology
3. Understanding Social Institutions
4. Culture and Socialization

Unit B- Understanding Society

7. Social Change and Social order in Rural and Urban Society
9. Introducing Western Sociologists
10. Indian Sociologists

SUBJECT – COMPUTER SCIENCE (083)

UNIT – 1 COMPUTER SYSTEM AND ORGANIZATION = 10 Marks

- Ch – 1 Computer System Organization
- Ch – 2 Data Representation and Boolean Logic

UNIT – 2 COMPUTATIONAL THINKING AND PROGRAMMING = 45 Marks

- Ch– 3 Computational Thinking and Getting Started with Python
- Ch – 4 Python Programming Fundamentals
- Ch – 5 Conditional and Looping Constructs
- Ch – 6 Strings in Python
- Ch – 7 Lists in Python
- Ch– 8 Tuples and Dictionary
- Ch – 9 Introduction to Python Modules

UNIT – 3 SOCIETY, LAW AND ETHICS = 15 Marks

- Ch – 10 Society, Law and Ethics
- Ch – 11 Cyber Safety

SUBJECT – INFORMATICS PRACTICES (065)

- Ch – 1 Computer System
- Ch – 2 Getting Started with Python
- Ch – 3 Python Programming Fundamentals
- Ch – 4 Conditional and Looping Constructs
- Ch – 5 Lists in Python
- Ch– 6 Dictionary
- Ch – 7 Database Concepts
- Ch – 8 Structured Query Language (SQL)
- Ch – 9 Emerging Trends

PSYCHOLOGY (037)

- Ch 1 - What is Psychology
- Ch 2 - Methods of Enquiry in Psychology
- Ch 4 - Human Development
- Ch5 - Sensory, Attentional and Perceptual Processes
- Ch 6 - learning
- Ch 7 - human memory
- Ch 8 - thinking
- Ch 9 - motivation and emotion

LEGAL STUDIES

Full syllabus

PAINTING

Full Syllabus