



# **Yuvashakti Model School**

इहोकेहा तार इतइकरोते  
Sector-III, Rohini, Delhi-110085

## **SYNOPSIS 2023 - 24** **CLASS - XI**

AN ISO  
9001 : 2015  
CERTIFIED

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## **ENGLISH**

Prescribed Books  
Hornbill - NCERT  
Snapshot - NCERT

### **UNIT TEST - I**

Literature  
Hornbill  
L - The Portrait of a Lady  
P - A Photograph  
Snapshot  
L - The Summer of The Beautiful White Horse

Writing skill  
Poster

Grammar  
Jumbled sentences

Reading skill  
Unseen passage

### **HALF YEARLY EXAMINATION**

Literature  
Hornbill  
L - We're not afraid to die---if we all can be together

Poetry  
P - The Laburnum Top  
P - The Voice of The Rain

Snapshot  
L - The Address

Writing skill  
Advertisements  
Speech

Grammar  
Tenses  
Determiners  
Gap filling  
Integrated exercises  
Jumbled sentences

## Reading Skills

Unseen passage for comprehension

Unseen passage for note making and summary

Internal assessment-assessment of listening skill and speaking skill

Note: All the syllabus of unit test 1 will be included in half yearly examination

## **UNIT TEST - II**

Hornbill

L - Discovering Tut

P - Childhood

Snapshot

L - Mother's Day

Writing skill

Advertisement

Grammar

Gap filling

Tenses

Reading Skills

Unseen passage

## **ANNUAL EXAMINATION**

Hornbill

L - The Adventure

L - Silk Road

Poetry

P - Father to Son

Snapshot

L - Birth

L - The Tale of Melon City

Writing Skill

Debate writing

Internal assessment-project work and viva

Note:

All the syllabus of unit test 2 will be included in annual examination

All the syllabus of grammar, writing skill and reading skill of term 1 will be included in annual examination

L - The Portrait of a Lady of Hornbill and L - The Summer of the Beautiful White Horse of Snapshot from Term 1 will also be included in annual exam

## **MATHEMATICS**

Text Book-NCERT

Reference Book-R.S.Aggarwal

### **UNIT TEST - I**

1. CHAPTER-1 SETS
2. CHAPTER-2 RELATION AND FUNCTION

### **HALF YEARLY EXAMINATION**

1. CHAPTER-3 TRIGONOMETRIC FUNCTIONS
2. CHAPTER-4 COMPLEX NUMBERS AND QUADRATIC EQUATION
3. CHAPTER-5 LINEAR INEQUALITIES
4. CHAPTER-6 PERMUTATION AND COMBINATION
5. CHAPTER-7 BINOMIAL THEOREM

NOTE-CHAPTER-1, 2 of UNIT TEST-1 will also be included in Half Yearly Examination.

### **UNIT TEST - II**

1. CHAPTER-8 SEQUENCE AND SERIES
2. CHAPTER-9 STRAIGHT LINES

### **ANNUAL EXAMINATION**

1. CHAPTER-10 CONIC SECTION
2. CHAPTER-11 INTRODUCTION TO THREE DIMENSIONAL GEOMETRY
3. CHAPTER-12 LIMITS AND DERIVATIVES
5. CHAPTER-13 STATISTICS
6. CHAPTER-14 PROBABILITY

NOTE-CH-8 and 9 of UNIT TEST-2 and whole syllabus of HALF YEARLY EXAMINATION will also be included in ANNUAL EXAMINATION.

## **PHYSICS**

Text Book – NCERT

Reference Book- Comprehensive Physics

### **UNIT TEST- I**

- Unit 1 : Units and Measurements  
Unit 2 : Kinematics ( motion in 1-D )

### **HALF YEARLY EXAMINATION**

- Unit 2 : Kinematics (Motion in plane)  
Unit 3 : Laws of motion.  
Unit 4 : Work Energy & Power

Note : Unit 1 & Unit 2 ( motion in 1-D ) of Unit Test-I will also be included in Half Yearly Examination

### **UNIT TEST-II**

Unit 5 : Motion of system of particles & rigid bodies

Unit 6 : Gravitation.

### **ANNUAL EXAMINATION**

Unit 7 : Properties of Bulk Matter

Unit 8 : Thermodynamics

Unit 9 : Behaviour of perfect gases & kinetic theory of gases.

Unit 10 : Oscillations & Waves

Note : Units Covered in UT-1, Half Yearly & UT-2 will also be included in Annual Examination.

## **CHEMISTRY**

Textbook – NCERT (Part -I & Part -II)

Reference Books –

- Comprehensive Chemistry Volume I & II (Author-S. K. Khanna N. K. Verma)
- Pradeep's New Course Chemistry Volume I & II (Author- S.C. Kheterpal and S.N. Dhawan)

### **UNIT TEST-I**

Unit 1 : Some Basic Concepts of Chemistry

Unit 2 : Structure of Atom

### **HALF YEARLY EXAMINATION**

Unit 3 : Classification of Elements and Periodicity in Properties

Unit 4 : Chemical Bonding and Molecular Structure

Unit 7 : Redox Reactions

Note: Unit 1 & 2 of Unit Test -I will also be included in Half Yearly Examination.

### **UNIT TEST-II**

Unit 5 : Thermodynamics

Unit 6 : Equilibrium

### **ANNUAL EXAMINATION**

Unit 8 : Organic Chemistry: Some Basic Principles and Techniques

Unit 9 : Hydrocarbons

Note: Unit 3, 4 & 7 of Half Yearly Examination and Unit 5 & 6 of Unit Test-II will also be included in Annual Examination.

## **BIOLOGY**

Text Book – NCERT

Reference Book- MTG

## **UNIT TEST-I**

Ch-2 : Biological Classification

Ch-3 : Plant Kingdom

## **HALF YEARLY EXAMINATION**

Ch-4 : Animal Kingdom

Ch-8 : Cell- The Unit of Life

Ch-9 : Biomolecules

Ch-10 : Cell Cycle & Cell Division

Ch-13 : Photosynthesis in Higher Plants

Note : Ch-2 & Ch-3 of Unit Test-I will also be included in Half Yearly Examination

## **UNIT TEST-II**

Ch-14 : Respiration in Plants

Ch-15 : Plant Growth & Development

## **ANNUAL EXAMINATION**

Ch-17 : Breathing & Exchange of Gases

Ch-18 : Body fluids & Circulation

Ch-19 : Excretory Products & their Elimination

Ch-21 : Neural Control & Coordination

Ch-22 : Chemical Coordination & Integration

Note : Ch- 4 & Ch-10 of Half Yearly Examination and Ch-14 & Ch-15 of Unit Test II will also be included in Annual Examination.

## **COMPUTER SCIENCE**

Text Book – NCERT

Reference Book- Sumita Arora

## **UNIT TEST-I**

Ch-5 : Getting started with Python

Ch-6 : Flow Of Control

## **HALF YEARLY EXAMINATION**

Ch-1 : Computer System

Ch-2 : Encoding Schemes and Number System

Ch-3 : Emerging Trends

Ch-4 : Introduction to problem solving

Ch-5 : Getting started with Python

Ch-6 : Flow Of Control

## **UNIT TEST-II**

Ch-8: Strings

Ch-9: Lists

## **ANNUAL EXAMINATION**

Ch-4 : Introduction to problem solving

Ch-5 : Getting started with Python

Ch-6 : Flow Of Control

Ch-8: Strings

Ch-9: Lists

Ch-10 : Tuples and Dictionaries

Ch-11: Societal Impact

## **INFORMATICS PRACTICES**

Text Book – NCERT

Reference Book- Sumita Arora

## **UNIT TEST - I**

Ch-3 : Brief Overview of Python

## **HALF YEARLY EXAMINATION**

Ch-1 : Computer System

Ch-2 : Emerging Trends

Ch-3 : Brief Overview of Python

Ch-4: Working with Lists and Dictionaries

## **UNIT TEST-II**

Ch-5 : Understanding Data

Ch-6: Introduction to NumPy

Ch-7: Database Concepts

## **ANNUAL EXAMINATION**

Ch-3 : Brief Overview of Python

Ch-4: Working with Lists and Dictionaries

Ch-5 : Understanding Data

Ch-6: Introduction to NumPy

Ch-7: Database Concepts

Ch-8: Introduction to Structured Query Language (SQL)

## **GEOGRAPHY**

Prescribed Books by N.C.E.R.T

Book-1 Fundamentals of Physical Geography

Book-2 India: Physical Environment



## **UNIT TEST - I**

Book-1  
Unit-I  
Ch-1 Geography as a Discipline  
Book-2  
Unit-I  
Ch-1 India- Location

## **HALF YEARLY EXAMINATION**

Book-1  
Unit-II  
Ch-2 The Origin and Evolution of the Earth  
Ch-3 Interior of the Earth  
Ch-4 Distribution of Oceans and Continents  
Unit-III  
Ch- 5 Geomorphic Processes  
Ch-6 Landforms and their Evolution

Book-2  
Unit-II  
Ch-2 Structure and Physiography  
Ch-3 Drainage System

Note- Ch-1 of Book-1 and Book-2 of Unit test-I will also be included in Half Yearly Examination

## **UNIT TEST - II**

Book-1  
Unit-IV  
Ch-7 Composition and Structure of Atmosphere  
Book-2  
Unit-III  
Ch-4 Climate

## **ANNUAL EXAMINATION**

Book-1  
Unit-IV  
Ch-8 Solar Radiation, Heat Balance and Temperature  
Ch-9 Atmospheric Circulation and Weather Systems  
Ch-10 Water in the Atmosphere  
Ch-11 World Climate and Climate Change  
Unit-V  
Ch-12 Water (Oceans)  
Ch-13 Movements of Ocean Water  
Unit-VI  
Ch-14 Biodiversity and Conservation



Book-2

Unit-III

Ch-5 Natural Vegetation

Ch-6 Natural Hazards and Disasters

Note – Ch-3 (Book-1) and Ch-3 (Book-2) of Half-Yearly Examination and Ch-7 (Book-1) and Ch-4 (Book-2) of Unit Test-II will also be included in Annual Examination.

## **ECONOMICS**

Reference Book – Sandeep Garg

### **UNIT TEST – I**

Micro Economics

Chapter – 1: Introduction

Chapter – 2: Consumer's Equilibrium

### **HALF YEARLY EXAMINATION**

Micro Economics

Chapter – 3: Demand

Chapter – 4: Elasticity of Demand

Chapter – 5: Production Function

Statistics

Chapter – 1: Economics : An Introduction

Chapter – 2: Meaning : Scope and Importance of Statistics

Chapter – 3: Collection of Data

Note :- Ch-1 and Ch-2 of micro economics will also be included in half yearly examination.

### **UNIT TEST – II**

Statistics

Chapter – 8: Arithmetic Mean

Chapter – 9: Median and Mode

### **ANNUAL EXAMINATION**

Micro Economics

Chapter – 1: Introduction

Chapter – 2: Consumer's Equilibrium

Chapter – 3: Demand

Chapter – 4: Elasticity of Demand

Chapter – 5: Production Function

Chapter – 6: Cost

Chapter – 7: Revenue

Chapter – 8: Producer's Equilibrium

Chapter – 9: Supply & Elasticity of supply

Chapter – 10: Market (perfect Competition)

Chapter – 11: Price Determination

## Statistics

Chapter – 1: Economics : An Introduction

Chapter – 2: Meaning : Scope and Importance of Statistics

Chapter – 4: Organisation of Data

Chapter – 5: Tabular Presentation

Chapter – 6: Diagrammatic presentation

Chapter – 7: Graphic Presentation

Chapter – 8: Arithmetic Mean

Chapter – 9: Median and Mode

Chapter – 11: Measures of Correlation

Chapter – 12: Index Numbers

Note : - Chapter – 1 to Chapter – 5 (Micro) of Half Yearly and Chapter – 1 and Chapter – 2 (Statistics) of Half Yearly will also be included in Annual Examination.

## HISTORY

Book :THEMES IN WORLD HISTORY

### **UNIT TEST - I**

SECTION A :Early societies

1.....One writing and city life

### **HALF YEARLY EXAMINATION**

SECTION B :Empires

2....An Empire across three continents

3.....Nomadic Empires

NOTE: Chapter 1 Writing and City will be included in Half Yearly Examination

### **UNIT TEST - II**

SECTION C: Changing Tradition

4...Three Orders

5...Changing Cultural Tradition

### **ANNUAL EXAMINATION**

SECTION: D Path To Modernisation

6... Displacing Indigenous People

7.... Path To Modernisation

NOTE:Chapter2 & 3 ( Half Yearly Examination ) will be included in Annual Examination

## POLITICAL SCIENCE

BOOK 2: Political Theory

REFERENCE BOOK: B.B TAYAL

### **UNIT TEST - I**

1. Political Theory: An Introduction
2. Liberty

### **HALF YEARLY EXAMINATION**

3. Equality
4. Justice
5. Rights
6. Citizenship

NOTE: UNIT TEST 1 SYLLABUS WILL ALSO BE INCLUDED IN HALF YEARLY EXAMINATION

### **UNIT TEST- II**

7. Nationalism
8. Secularism

### **ANNUAL EXAMINATION**

BOOK1 : Indian Constitution at Work

REFERENCE BOOK: B.B TAYAL

9. Constitution
10. Election and Representation
11. The Legislature
12. 4 The Executive
13. The Judiciary
14. Federalism
15. Local Governments

NOTE: CHAPTERS GIVEN IN UT1 AND UT2 WILL ALSO BE INCLUDED IN THE SYLLABUS OF ANNUAL EXAMINATION.

## **BUSINESS STUDIES**

Text Book – G.S. Alag

Reference Book – NCERT

### **UNIT TEST - I**

Chapter-1 Evaluation and Fundamentals of Business

### **HALF YEARLY EXAMINATION**

Chapter-1 Evaluation and Fundamentals of Business  
Chapter-2 Forms of Business Organizations  
Chapter-3 Public, Private and Multinational Company  
Chapter-4 Business Services  
(Ch 1 of UT-1 will also be included in half yearly examination)

### **UNIT TEST - II**

Chapter-5 Emerging Modes of Business  
Chapter-6 Social Responsibility of Business and Business ethics

## **ANNUAL EXAMINATION**

Chapter-4 Business Services  
Chapter-5 Emerging Modes of Business  
Chapter-6 Social Responsibility of Business and Business ethics  
Chapter-7 Sources of Business Finance  
Chapter-8 Small Businesses and Enterprises  
Chapter-9 Internal Trade  
Chapter-10 International Trade  
( Ch 4 of UT-1 & ch-5,ch-6 of UT-2 will also be included in Annual examination)

## **ACCOUNTANCY**

### **UNIT TEST - I**

Ch 1 - Introduction to Accounting  
Ch 2 - Basic Accounting Terms  
Ch 3 - Theory Base of Accounting  
Ch 5 - Accounting Equation

### **HALF YEARLY EXAMINATION**

Ch 4 - Bases of Accounting  
Ch 6 - Accounting Procedures - Rules of Debit & Credit  
Ch 7 - Origin of Transactions - Source Documents  
Ch 8 - Journal  
Ch 9 - Ledger  
Ch 10 - Cash Book

Note :

Ch - 1, 2, 3 & 5 of Unit Test - 1 will also be included in Half Yearly Examination.

### **UNIT TEST - II**

Ch 11 - Other Books  
Ch 12 - Accounting for Goods & Service Tax  
Ch 13 - Bank Reconciliation Statement

### **ANNUAL EXAMINATION**

Ch 14 - Trial Balance  
Ch 15 - Depreciation  
Ch 16 - Provision and Reserve  
Ch 17 - Rectification of Errors  
Ch 18 - Financial Statements of Sole Proprietorship  
Ch 19 - Adjustments in Financial Statements  
Ch 20 - Single Entry System  
Ch 21 - Project Work

Note :

- 1) Ch - 11, 12 & 13 of Unit Test - 2 will be included in Half Yearly Examination.
- 2) Ch - 5 & Ch -10 of Half Yearly will also be included in Half Yearly Examination.

## **PSYCHOLOGY**

BOOK- Psychology Class XI NCERT

### **UNIT TEST - I**

Chapter 1: What is Psychology?

### **HALF YEARLY EXAMINATION**

Chapter 2: Methods of enquiry in psychology.

Chapter 4: Human Development

Chapter 5 : Sensory, attentional and perceptual processes

Note:- Syllabus of UT I will also be included in the Half yearly examinations

### **UNIT TEST - II**

Chapter 6: Learning

### **ANNUAL EXAMINATION**

Chapter 7: Human Memory

Chapter 8: Thinking

Chapter 9: Motivation and Emotion.

Note- Chap 6 of unit test II and Ch-4 (Human Development) of Half yearly Examination will also be included in Annual examination.

## **PAINTING**

### **UNIT TEST - I**

1) Pre-Historic Rock Painting

2) Art of Indus Valley

3) General Introduction to Art during Mauryan, Shunga, Kushana and Gupta Period.

### **HALF YEARLY EXAMINATION**

4) Introduction of Ajanta

5) Art of Indus Valley

6) Indian Temple Sculpture – {UT 1 Syllabus will be Included in Half Yearly}

### **UNIT TEST – II**

7) General Introduction to Art during Mauryan, Shunga, Kushana and Gupta Period.

8) Indian Bronze

### **ANNUAL EXAMINATION**

9) Artistic aspect of the Indo-Islamic Architecture

10) Indian Temple Sculpture – {Half Yearly Syllabus will be Included in Annual Exam}

## **PHYSICAL EDUCATION**

BOOK NAME- PHYSICAL AND HEALTH EDUCATION

### **UNIT TEST - I**

Chapter 1 – Changing Trends and Career in Physical Education

### **HALF YEARLY EXAMINATION**

Chapter 2 – Olympism

Chapter 3 – Yoga

Chapter 4 – Physical Education & Sports for CWSN

NOTE: Chapter 1 will also be included in half yearly examination.

### **UNIT TEST - II**

Chapter 5 – Physical Fitness, Health and Wellness

### **ANNUAL EXAMINATION**

Chapter 6 – Test, Measurement and Awareness

Chapter 7 – Fundamental of Anatomy, Physiology in sports

Chapter 8 – Fundamentals of Kinesiology and Biomechanics Sports

Chapter 9 – Psychology and Sports

Chapter 10 – Training and Doping in sports

□ NOTE: CHAPTER 3, 4 AND 5 WILL ALSO BE INCLUDED IN ANNUAL EXAMINATION