

## SYLLABUS FOR THE ACADEMIC SESSION 2026-27 CLASS-XI SCIENCE

### ENGLISH

#### UT- 1

HORNBILL CH 1 - THE PORTRAIT OF A LADY,  
POEM - A PHOTOGRAPH

SNAPSHOT CH 1- THE SUMMER OF THE BEAUTIFUL WHITE HORSE

GRAMMAR EDITING AND OMISSION

WRITING SKILLS ADVERTISEMENT

#### UT – 2

HORNBILL CH 2 - WE ARE NOT AFRAID TO DIE,  
POEM - THE LABURNUM TOP,

SNAPSHOT CH 2 - THE ADDRESS GRAMMAR GAP FILLING, REORDERING

WRITING SKILLS SPEECH

#### TERM – 1

HORNBILL CH 1 - THE PORTRAIT OF A LADY,  
CH 2 - WE ARE NOT AFRAID TO DIE  
CH 3- DISCOVERING TUT: THE SAGA CONTINUES,  
POEM - A PHOTOGRAPH,  
THE LABURNUM TOP,  
THE VOICE OF THE RAIN

SNAPSHOT CH 1- THE SUMMER OF THE BEAUTIFUL WHITE HORSE  
CH 2 - THE ADDRESS  
CH-3 - MOTHER'S DAY

GRAMMAR REORDERING, TENSES, EDITING & AMP; OMISSION INTEGRATED  
GRAMMAR

WRITING SKILLS ADVERTISEMENT, SPEECH, POSTER READING FACTUAL AND  
CASE BASED COMPREHENSION, PASSAGE NOTE MAKING AND SUMMARIZING

#### UT- 3

HORNBILL CH4 - THE ADVENTURE  
POEM- CHILDHOOD

SNAPSHOT CH- 5 - BIRTH

GRAMMAR TRANSFORMATION OF SENTENCES WRITING SKILLS NOTICE

#### UT- 4

HORNBILL CH- 6 - SILK ROAD POEM- FATHER TO SON

SNAPSHOT CH – 5 THE TALE OF MELON CITY GRAMMAR INTEGRATED

GRAMMAR WRITING SKILLS DEBATE

# **DEFENCE** Affiliated to CBSE **PUBLIC SCHOOL**

## **TERM – 2**

**HORNBILL** CH1 - THE PORTRAIT OF A LADY

CH2 - WE ARE NOT AFRAID TO DIE

CH 3- DISCOVERING TUT: THE SAGA CONTINUES

CH 5 - THE ADVENTURE

CH- 6 - SILK ROAD

POEM - A PHOTOGRAPH,

THE LABURNUM TOP,

THE VOICE OF THE RAIN CHILDHOOD

FATHER TO SON

**SNAPSHOT** CH1- THE SUMMER OF THE BEAUTIFUL WHITE HORSE

CH2 - THE ADDRESS

CH-3 - MOTHER'S DAY

CH- 5 – BIRTH

CH- 6 – THE TALE OF MELON CITY

**GRAMMAR** REORDERING, TENSES, EDITING & AMP; OMISSION INTEGRATED  
GRAMMAR, TRANSFORMATION OF SENTENCES.

**WRITING SKILLS** ADVERTISEMENT, SPEECH, POSTER, NOTICE, DEBATE. READING  
FACTUAL AND CASE BASED COMPREHENSION, PASSAGE NOTE MAKING AND  
SUMMARIZING

## **PHYSICS**

### **UT-1**

CHAPTER-1 UNITS AND MEASUREMENTS

VECTORS

CHAPTER-2 MOTION IN A STRAIGHT LINE

### **UT-2**

CHAPTER-3 MOTION IN A PLANE

CHAPTER-4 LAWS OF MOTION

CHAPTER-5 WORK, ENERGY AND POWER

### **TERM-1**

CHAPTER-1 UNITS AND MEASUREMENTS

CHAPTER-2 MOTION IN A STRAIGHT LINE

CHAPTER-3 MOTION IN A PLANE

CHAPTER-4 LAWS OF MOTION

CHAPTER-5 WORK, ENERGY AND POWER

CHAPTER-6 SYSTEM OF PARTICLES AND ROTATIONAL MOTION

CHAPTER-7 GRAVITATION

**PRACTICALS**

## **UT-3**

CHAPTER-8 MECHANICAL PROPERTIES OF SOLIDS  
CHAPTER-9 MECHANICAL PROPERTIES OF FLUIDS

## **UT-4**

CHAPTER-10 THERMAL PROPERTIES OF MATTER  
CHAPTER-11 THERMODYNAMICS

## **TERM-2**

ENTIRE SYLLABUS  
**PRACTICALS**

## **CHEMISTRY**

### **UT-1**

CHAPTER-1 SOME BASIC CONCEPTS OF CHEMISTRY  
CHAPTER-3 PERIODIC CLASSIFICATION OF ELEMENTS

### **UT-2**

CHAPTER-2 STRUCTURE OF ATOM  
CHAPTER-4 CHEMICAL BONDING  
CHAPTER-7 REDOX REACTION

### **TERM 1**

CHAPTER-1 SOME BASIC CONCEPTS OF CHEMISTRY  
CHAPTER-2 STRUCTURE OF ATOM  
CHAPTER-3 PERIODIC CLASSIFICATION OF ELEMENTS  
CHAPTER-4 CHEMICAL BONDING  
CHAPTER-7 REDOX REACTION

### **PRACTICALS**

### **UT -3**

CHAPTER-5 THERMODYNAMICS  
CHAPTER-6 EQUILLIBRIUM

### **UT -4**

CHAPTER-8 GENERAL ORGANIC CHEMISTRY AND SEPRATION TECHNIQUES

### **TERM 2**

ENTIRE SYLLABUS  
**PRACTICALS**

## **BIOLOGY**

### **UT-1**

CHAPTER1: THE LIVING WORLD

CHAPTER2: BIOLOGICAL CLASIFICATION

### **UT-2**

CHAPTER-3: PLANT KINGDOM

CHAPTER-4: ANIMAL KINGDOM

### **TERM I**

CHAPTER-1: THE LIVING WORLD

CHAPTER-2: BIOLOGICAL CLASSIFICATION

CHAPTER-3: PLANT KINGDOM

CHAPTER-4: ANIMAL KINGDOM

CHAPTER-5: MORPHOLOGY OF FLOWERING PLANTS

CHAPTER-7: STRUCTURAL ORGANIZATION IN ANIMALS

CHAPTER-8: CELL-THE UNIT OF LIFE

CHAPTER-9: BIOMOLECULES

**PRACTICALS**

### **UT-3**

CHAPTER-13: PHOTOSYNTHESIS IN HIGHER PLANTS

CHAPTER-17: BREATHING AND EXCHANGE OF GASES

### **UT-4**

CHAPTER-15: PLANT-GROWTH AND DEVELOPMENT

CHAPTER-18: BODY FLUIDS AND CIRCULATION

### **TERM II :**

ENTIRE SYLLABUS EXCEPT DELETED CHAPTERS: 11, 12 & 16

**PRACTICALS**

## **MATHEMATICS**

### **UT-1**

CHAPTER-1: SETS

CHAPTER-2: RELATIONS & FUNCTIONS

### **UT-2**

CHAPTER-3: TRIGONOMETRIC FUNCTIONS

## TERM I

CHAPTER-1: SETS

CHAPTER-2: RELATIONS & FUNCTIONS

CHAPTER-3: TRIGONOMETRIC FUNCTIONS

CHAPTER-5: COMPLEX NUMBERS AND QUADRATIC EQUATIONS

CHAPTER-6: LINEAR INEQUALITIES

CHAPTER-7: PERMUTATIONS AND COMBINATIONS

CHAPTER -8: BINOMIAL THEOREM

## UT-3

CHAPTER-9: SEQUENCE AND SERIES

CHAPTER-10: STRAIGHT LINES

## UT-4

CHAPTER-11: CONIC SECTIONS

CHAPTER-12: INTRODUCTION TO THREE-DIMENSIONAL GEOMETRY

## TERM 2

ENTIRE SYLLABUS

### INFORMATICS PRACTICES

**BOOK:** PREETI ARORA

## UT-1

CH-2 GETTING STARTED WITH PYTHON

CH-3 PYTHON PROGRAMMING FUNDAMENTALS

## UT-2

CH-1 COMPUTER SYSTEM

CH-2 GETTING STARTED WITH PYTHON

CH-4 CONDITIONAL AND LOOPING STATEMENTS

## TERM- I

CH-1 COMPUTER SYSTEM

CH-2 GETTING STARTED WITH PYTHON

CH-3 PYTHON PROGRAMMING FUNDAMENTALS

CH-4 CONDITIONAL AND LOOPING STATEMENTS

CH-10 EMERGING TRENDS

**PRACTICALS**

## **UT-3**

CH-7 DATABASE CONCEPTS

CH-8 STRUCTURED QUERY LANGUAGE

## **UT-4**

CH-5 LISTS IN PYTHON

CH-6 DICTIONARY

NUMPY

## **TERM-II**

ENTIRE SYLLABUS

**PRACTICALS**

### **FINE ARTS/ PAINTING**

#### **UT-1**

INTRODUCTION

CHAPTER-1 PRE-HISTORIC ROCK PAINTINGS

CHAPTER-2 ART OF INDUS VALLEY CIVILISATION

PRACTICAL - STILL LIFE (COMPOSITION)

#### **UT-2**

CHAPTER-3 BHUDDIST, JAIN AND HINDU ART

PRACTICAL- ILLUSTRATION/COMPOSITION

#### **TERM-1**

INTRODUCTION

CHAPTER-1 PRE-HISTORIC ROCK PAINTINGS

CHAPTER-2 ART OF INDUS VALLEY CIVILISATION

CHAPTER-3 BHUDDIST, JAIN AND HINDU ART

PRACTICAL- ILLUSTRATION/COMPOSITION

#### **UT-3**

CHAPTER-4 TEMPLE SCLUPTURES BRONZES

PRACTICAL- STILL LIFE/POSTER

#### **UT-4**

CHAPTER-5 ARTISTIC ASPECTS OF INDO-ISLAMIC ARCHITECHTURE

PRACTICAL- STILL LIFE/POSTER

#### **TERM-2**

ENTIRE SYLLABUS

PRACTICAL-STILL LIFE/POSTER AND COMPOSITION/ILLUSTRATION

## PHYSICAL EDUCATION

### **UT1**

CHAPTER-1 CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION  
CHAPTER-2.OLYMPICS

### **UT2**

CHAPTER-3 YOGA.  
CHAPTER-4 PHYSICAL EDUCATION AND SPORTS FOR CWSN.

### **TERM 1**

CHAPTER-1 CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION.  
CHAPTER-2 OLYMPICS  
CHAPTER-3.YOGA  
CHAPTER-4. PHYSICAL EDUCATION AND SPORTS FOR CWSN  
CHAPTER-5 PHYSICAL FITNESS, HEALTH AND WELLNESS.  
**PRACTICALS**

### **UT3**

CHAPTER-6.TEST AND MEASUREMENT AND EVALUATION.  
CHAPTER-7 FUNDAMENTAL OF ANATOMY PHYSIOLOGY IN SPORTS.

### **UT 4**

CHAPTER-8 FUNDAMENTAL OF KINESIOLOGY AND BIOMECHANICS IN SPORTS.  
CHAPTER-9 PSYCHOLOGY AND SPORTS.

### **TERM 2**

ENTIRE SYLLABUS  
**PRACTICALS**

## MUSIC

### **UT1**

DEFINITIONS, TAAL

### **UT2**

DEFINITIONS, TAAL, LIFE SKETCH, RAGA

### **TERM 1**

DEFINITIONS, HISTORY OF DHRUPAD, KHAYAL, TARANA, KNOWLEDGE OF  
TANPURA, LIFE SKETCHES, TAAL, RAGAS  
**PRACTICALS**

# **DEFENCE** Affiliated to CBSE **PUBLIC SCHOOL**

## **UT3**

DEFINITIONS, TAAL, LIFE SKETCH, RAGA, GHARANA

## **UT 4**

MUSIC ELEMENTS IN NATYASHASTRA AND BRIHADDESHI,  
TAAL, RAGAS, WRITING NOTATIONS

## **TERM 2**

ENTIRE SYLLABUS

**PRACTICALS**

