

**S. D. VIDYA MANDIR, HUDA, PANIPAT**  
**ANNUAL EXAMINATION**  
**SYLLABUS- CLASS 11 (SCIENCE)**  
**ENGLISH (SYLLABUS)**

<b>Reading Section</b>	Unseen Passages Note- Making
<b>Writing Section</b>	Notice writing Classified Advertisements Speech Debate Poster Designing Article
<b>Grammar</b>	Tenses Clauses Transformation of Sentences Reordering of Sentences
<b>Literature</b>	<b><u>Hornbill</u></b> <b><u>Prose</u></b> Ch- 1 The Portrait of a Lady Ch- 2 We're not Afraid to... Ch- 3 Discovering Tut: The Saga Continues Ch- 4 The Browning Version Ch- 5 The Silk Road <b><u>Poems</u></b> P- 1 A Photograph P- 2 The Laburnum Top P- 3 The Voice of the Rain P- 4 Childhood P- 5 Father to Son <b><u>Snapshots</u></b> Ch- 1 The Summer of the Beautiful White Horse Ch- 2 The Address Ch- 3 The Mother's Day Ch- 4 Birth Ch- 5 The Tale of Melon City

**CHEMISTRY (SYLLABUS)**

Ch 1	Basic concepts of chemistry
Ch 2	Structure of atom
Ch 3	Classification of elements
Ch 4	Chemical bonding
Ch 5	Thermodynamics
Ch 6	Equilibrium
Ch 7	Redox reactions
Ch 8	Basic organic chemistry
Ch 9	Hydrocarbons

## **PHYSICS (SYLLABUS)**

Chapter- 2 (5 marks)  
Chapter- 3 (4 marks)  
Chapter- 4 (7 marks)  
Chapter- 5 (7 marks)  
Chapter- 6 (6 marks)  
Chapter- 7 (6 marks)  
Chapter- 8 (5 marks)  
Chapter- 9 (3 marks)  
Chapter- 10 (6 marks)  
Chapter- 11 (3 marks)  
Chapter- 12 (4 marks)  
Chapter- 13 (4 marks)  
Chapter- 14 (5 marks)  
Chapter- 15 (5 marks)

## **BIOLOGY (SYLLABUS)**

Unit- 1 Diversity in the Living World  
Unit- 2 Structural Organisation in Plants and Animals  
Unit- 3 Cell-Structure and Functions  
Unit- 4 Plant Physiology  
Unit- 5 Human Physiology

## **MATHEMATICS (SYLLABUS)**

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

## **APPLIED MATHEMATICS (SYLLABUS)**

Ch 1	Numbers
Ch 2	Indices and Logarithms
Ch 3	Quantitative Aptitude
Ch 5	Sets and Relations
Ch 6	Sequences and Series
Ch 7	Permutations and Combinations
Ch 8	Logical Reasoning
Ch 9	Functions
Ch 10	Limits and Continuity
Ch 11	Differentiation
Ch 12	Probability
Ch 13	Descriptive Statistics

Ch 14	Compound Interest and Annuity
Ch 15	Taxation
Ch 16	Utility Bills
Ch 17	Straight Lines
Ch 18	Circle and Parabola

### **ECONOMICS (SYLLABUS)**

#### **MICRO ECONOMICS**

Ch 1	Economics and Economy
Ch 2	Central Problems of an Economy
Ch 3	Consumer's Equilibrium- Utility Analysis
Ch 4	Consumer's Equilibrium-Indifference Curve Analysis
Ch 5	Theory of Demand
Ch 6	Price Elasticity of Demand
Ch 7	Production Function and Returns to a Factor
Ch 8	Concepts of Cost
Ch 9	Concept of Revenue
Ch 10	Producer's Equilibrium
Ch 11	Theory of Supply
Ch 12	Forms of Market: Perfect Competition
Ch 13	Market Equilibrium Under Perfect Competition

#### **STATISTICS**

Ch 1	Introduction
Ch 2	Collection of Data
Ch 3	Organisation of Data
Ch 4	Presentation of Data
Ch 5	Measures of Central Tendency
Ch 6	Correlation
Ch 7	Index Number

### **GEOGRAPHY (SYLLABUS)**

#### **Fundamentals of Physical Geography**

Ch 1	Geography as a Discipline
Ch 2	The Origin and Evolution of the Earth
Ch 3	Interior of the Earth
Ch 4	Distribution of Oceans and Continents
Ch 5	Geomorphic Processes
Ch 6	Landform and Their Evolution
Ch 7	Composition and Structure of Atmosphere
Ch 8	Solar Radiation, Heat balance and Temperature
Ch 9	Atmospheric Circulation and Weather System
Ch 10	Water in the Atmosphere
Ch 11	Water (Oceans)
Ch 12	Movements of Ocean Water

#### **India Physical Environment**

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

## **INFORMATICS PRACTICES (IP) (SYLLABUS)**

1 Introduction to Computer System

2 Introduction to Emerging Trends

### **3 Introduction to Python**

Ch Brief Overview of Python

Ch Working with Lists and Dictionaries

### **3 Database concepts and the Structured Query Language**

Ch Understanding Data

Ch Database Concepts

Ch Introduction to Structured Query Language

## **ARTIFICIAL INTELLIGENCE (AI) (SYLLABUS)**

### **Part A:**

1. Communication Skills - III

2. Self-Management Skills – III

3. ICT Skills - III

4. Entrepreneurial Skills – III

5. Green Skills – III

### **Part B:**

Unit 1: Introduction to AI

Unit 2: AI Applications & Methodologies

Unit 4: AI Values (Ethical Decision Making)

Unit 5: Introduction to Storytelling

Unit 8: Regression

## **FINE ARTS (SYLLABUS)**

Ch- 1 Introduction of Art

Ch- 2 Pre-Historic Painting

Ch- 3 Indus valley civilization

Ch- 4 Gupta period

Ch- 5 Ajanta caves

Ch- 6 South Indian Temples and Bronzes

Ch- 7 Indian Monuments

## **MUSIC (SYLLABUS)**

### **Brief of the following-**

Nada, Shurti, Swara, Saptak, Thaata, Jati, Laya, Tala, Rag and Margi Desi Sangeet.

### **Brief History of the following-**

Dhrupad, Khayal, Natya Shastra and Tarana.

### **Life sketch and Contribution**

Miya Tansen

Vishnu Narayan Bhatkhande

Visnu Digambar Paluskar

### **Description of Prescribed Tala along with Tala Notation with Thah, Dugun and Chaugun.**

1 Teental

2 Ektala

3 Chartala

## **Introduction of Ragas**

- 1 Bihag
- 2 Bhimpalasi
- 3 Bhairavi

## **Knowledge of the structure of Tanpura**

### **PHYSICAL EDUCATION (SYLLABUS)**

- |       |   |
|-------|---|
| Ch 1  | Changing Trends and Career in Physical Education        |
| Ch 2  | Olympism  |
| Ch 3  | Yoga  |
| Ch 4  | Physical Education and Sports for CWSN                  |
| Ch 5  | Physical Fitness, Health and Wellness                   |
| Ch 6  | Test, Measurement and Evaluation                        |
| Ch 7  | Fundamentals of Anatomy, Physiology in Sports.          |
| Ch 8  | Fundamentals of Kinesiology and Biomechanics in Sports. |
| Ch 9  | Psychology & Sports.                                    |
| Ch 10 | Training and Doping in Sports.                          |