

## **Syllabus for Half- Yearly Examination 2023-24**

### **Class - 12 Science**

#### **Subject - English Core**

Reading: Unseen Passages

Writing : Notice, Invitation, Letter, Article, Report

Literature:

(A) Flamingo -

- Prose

Ch.1 The Last lesson

Ch.2 Lost Spring

Ch.3 Deep Water

Ch.4 The Rattrap

Ch.5 Indigo

Ch.6 Poets And Pancakes

Ch.7 The Interview

- Poetry

P.1 My Mother at Sixty-six

P.3 Keeping Quiet

P.4 A Thing of Beauty

P.5 A Roadside Stand

P.6 Aunt Jennifer's Tigers

(B) Vistas

Ch.1 The Third Level

Ch.2 The Tiger King

Ch.3 Journey to the End of the Earth

Ch.4 The Enemy

Ch.6 On the Face of it

#### **Subject - Physics**

Ch 1 Electric charges and fields

Ch2 Electrostatic potential and Capacitance

Ch 3 Current Electricity

Ch 4 Moving charge and Magnetism

Ch 5 Magnetism And Matter

Ch 6 Electromagnetic Induction

Ch 7 Alternating Current

Ch 8 Electromagnetic Waves

Ch 9 Ray Optics

Ch 10 Wave Optics

Ch 11 Dual nature of light

#### **Subject - Chemistry**

unit 1 Solution

unit 2 Electrochemistry

unit 5 Coordination compds

unit 6 Haloalkanes and Haloarenes

unit 7 Alcohols ,Phenols and Ethers

unit 8 Aldehydes, Ketones and Carboxylic acids  
unit 9 Amines  
unit 10 Biomolecules

### **Subject - Biology**

#### **Unit VI Reproduction**

Chapter - Sexual Reproduction in Flowering Plants

Chapter - Human Reproduction

Chapter - Reproductive Health

#### **Unit VII - Genetics and Evolution**

Chapter - Principles of Inheritance and Variation

Chapter - Molecular Basis of Inheritance

Chapter - Evolution

#### **VIII Biology and Human Welfare**

Chapter Human Health And Disease

Chapter Microbes in Human Welfare

#### **Unit IX Biotechnology and Its Applications**

Chapter - Biotechnology : Principles and Processes

Chapter - Biotechnology and its Applications

### **Subject - Applied Maths**

Chapter 1 Numbers Quantification and Numerical Applications

Chapter 2 Numerical Inequalities

Chapter 3 Matrices

Chapter 4 Determinants

Chapter 5 Continuity and Differentiability

Chapter 6 Applications of Derivatives

Chapter 7 Integrals

Chapter 8 Applications of Integrals

Chapter 9 Differentials

Chapter 10 Vector Algebra

Chapter 11 Three Dimensional Geometry

Chapter 12 Linear Programming

Chapter 13 Probability

### **Subject - Standard Maths**

Chapter 1 Relations and Functions

Chapter 2 Inverse Trigonometric Functions

Chapter 3 Matrices

Chapter 4 Determinants

Chapter 5 Continuity and Differentiability

Chapter 6 Applications of Derivatives

Chapter 7 Integrals

Chapter 8 Differential Equations

Chapter 9 Probability

Chapter 10 Inferential Statistics

Chapter 11 Index Numbers and Data

Chapter 12 Perpetuity, Sinking Funds, Bonds and EMI  
Chapter 13 Stocks, Shares and Debentures  
Chapter 14 Returns, Growth and Depreciation  
Chapter 15 Linear Programming

**Subject - Physical Education**

Chapter 1 MANAGEMENT OF SPORTING EVENTS  
Chapter 2 SPORTS & NUTRITION  
Chapter 3 YOGA  
Chapter 4 PHYSICAL EDUCATION AND CWSN  
Chapter 6 TEST & MEASUREMENTS  
Chapter 7 PHYSIOLOGY AND INJURIES  
Chapter 8 BIOMECHANICS & SPORTS  
Chapter 9 PSYCHOLOGY & SPORTS

**Subject - Informatics Practices**

Chapter 1 Python pandas 1  
Chapter 2 Python pandas 2  
Chapter 3 Plotting with pyplot  
Chapter 5 My SQL revision tour  
Chapter 6 My SQL Functions  
Chapter 7 Queries using Sql  
Chapter 9 Introduction to computer networks  
Chapter 10 Introduction to internet and web

**Subject - Music**

Unit 1

1.1 Brief Study of the following : - Alankar, Kan, Meend, Khataka, Murki, Gamak  
1.2 Breathe study of the following :- Gram, Murchhana, Alap, Tana

Unit 2

2.1 Historical development of time theory of ragas

Unit 3

3.1 Detail study of the following Sangeet Ratnakar Sangeet Parijat  
3.2 Life sketch and Cotributionof Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Rao,Shankar Pandit

Unit 4

4.1 Description of Prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun Jhaptala , Rupak ,Dhamar 4.2 Tuning of Tanpura

Unit 5

5.1 Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Shuddha Sarang  
5.2 Writing in Notation the Compositions of Prescribed Ragas. Bhairav□ Bageshri□ Malkauns□