

**Half Yearly Syllabus
Session 2025-26
Class XII (Science)**

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

Ch.8 Going Places

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

Physical Education

1. Management office sporting event

2. Children and women in sports

3. Yoga

6. Test and measurement in sports

7. Physiology and injury in sports

8. Biomechanics and sports

9. Psychology and sports

10. Training in sports

Music

HINDUSTANI MUSIC - VOCAL

(Subject Code - 034)

Unit 1

1.1 Brief study of the following: - Alankar, Kan, Meend, Khatka, Murki, Gamak.

1.2 Brief 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 Sangeet Ratnakar the following: Sangeet Parijat

3.2 Life sketch and Contribution of Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Krishna Rao, Shankar Pandit

Unit 4

4.1 Description of Prescribed Talas along with TalaNotation 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 the Ragas from phrases of Swaras and elaborating them.

5.2 Writing in Notation the Compositions of PrescribedRagas: Bhairav, Malkaunsh, Bageshri

Mathematics (041)

Ch 1 Relations and Functions

Ch 2 Inverse Trigonometric Functions

Ch 3 Matrices

Ch 4 Determinants

Ch 5 Continuity and Differentiability

Ch 7 Integrals

Ch 8 Application of Integrals

Ch 9 Differential Equations

Ch 10 Vectors

Ch 11 Three Dimensional Geometry

Ch 12 Linear Programming

Ch 13 Probability

Information Practices

Ch1 Python pandas 1

Ch2 Python pandas 2

Ch3 Plotting with pyplot

Ch5 My SQL revision tour

Ch6 My SQL Functions

Ch7 Queries using Sql

Ch8 Joins

Ch9 Introduction to computer networks

Ch10 introduction to internet and web

Physics

Unit 1: Electrostatics

Chapter 1: Electric Charges and Fields

Chapter 2: Electrostatic Potential and Capacitance

Unit 2: Current Electricity

Chapter 3: Current Electricity

Unit 3: Magnetic Effects of Current and Magnetism

Chapter 4: Moving Charges and Magnetism

Chapter 5: Magnetism and Matter

Unit 4: Electromagnetic Induction and Alternating Currents

Chapter 6: Electromagnetic Induction

Chapter 7: Alternating Current

Unit 5: Electromagnetic Waves

Chapter 8: Electromagnetic Waves

Unit 7: Dual Nature of Radiation and Matter

Chapter 11: Dual Nature of Radiation and Matte

Unit 8

Chapter 12 : Atoms

Chapter 13: Nuclei

Unit 9: Electronic Devices

Chapter 14: Semiconductor

Biology

Chapter-1: Sexual Reproduction in Flowering Plants

Chapter-2: Human Reproduction

Chapter-3: Reproductive Health

Unit-VII Genetics and Evolution Chapter-4: Principles of Inheritance and Variation

Chapter-5: Molecular Basis of Inheritance

Chapter-6: Evolution

Unit-VIII Biology and Human WelfareChapter-7: Human Health and Diseases

Chapter-8: Microbes in Human Welfare

Unit-IX Biotechnology and its Applications Chapter-9: Biotechnology – Principles and Processes

Chapter-10: Biotechnology and its Applications

Chemistry

Part 1

1.Solutions

5. Coordination compounds

part -2

1.Haloalkanes and haloarene,

2.Alcohols phenols and ether,

3.Aldehyde ketones and carboxylic acids,

4.Amines

5. biomolecules,