

**Syllabus For Half Yearly Examination  
Class XII (SCI)**

**ENGLISH:**

- Comprehension Passage
- Case based Passage
- Notice
- Invitation and Replies
- Application for Job
- Letter to Editor
- Report Writing
- Article Writing
- The Last Lesson
- Lost Spring
- Deep Water
- The Rattrap
- Interview
- The Tiger King
- Journey to the End of the Earth
- The Enemy
- Memories of Childhood
- My Mother at Sixty six
- Keeping Quiet
- A Thing of Beauty
- Aunt Jennifer's Tigers

**PHYSICS:**

- Ch. 1 Electric charges and fields
- Ch. 2 Electrostatic Potential and Capacitance
- Ch.3 Current Electricity
- Ch.4 Moving Charges and Magnetism

Ch.5 Magnetism and matter

Ch.6 Electromagnetic Induction

Ch.14 Semiconductor Electronics, material, Devices and simple circuits.

### **CHEMISTRY:**

1. Halo alkanes and haloarnes
2. Alcohol pehnol and ether
3. Solutions
4. Electrochemistry
5. d-f block elements
6. Reactions related to salt analysis (Practical approach)

### **BIOLOGY:**

1. Sexual Reproduction in Flowering Plants.
2. Human Reproduction
3. Reproductive Health
4. Principles of Inheritance and Variations
5. Molecular Basis of Inheritance
6. Human Health and Diseases

### **हिंदी-**

- **अपठित गद्यांश/पद्यांश**
- **आरोह भाग-2 (गद्य पाठ)-**  
भक्तिन, बाज़ार दर्शन, काले मेघा पानी दे
- **आरोह भाग-2 (पद्य पाठ)-**  
हरिवंशराय बच्चन, आलोक धन्वा, कुंवर  
नारायण, रघुवीर सहाय
- **वितान (सम्पूरक पुस्तिका)**  
सिल्वर वैडिंग, जूझ

- **अभिव्यक्ति और माध्यम**

विभिन्न माध्यमों के लिए लेखन

पत्रकारीय लेखन के विभिन्न रूप/लेखन प्रक्रिया

विशेष लेखन : स्वरूप और प्रकार

कैसे करें कहानी का नाट्य रूपांतरण

### **MATHS:-**

- Relation Function
- Inverse trigonometric functions
- Matrices
- Determinant
- Continuity and Differentiability
- Application of derivatives
- Integrals
- Application of Integrals.

### **PHYSICAL EDUCATION:**

Chapter 1 to Chapter 5.

### **PAINTING**

Unit 1– Rajasthani Schools of Miniature painting all five painting

2....origin and development.

3...Main features of the Rajasthani school

All Objective Question from all unit

### **PSYCHOLOGY**

Chapter 1: Variations in Psychological Attributes

Chapter 2 : Self and Personality

Chapter 4 : Psychological Disorders

Chapter 5 : Therapeutic Approaches

### **Hin.Per.Ins ( Tabla )**

Biography Pt.kisan Maharaj

Compare Jhaptaal & sooltaal

Ektaal & Chartaal

One kayda Three palta With Tihai in teentaal

Layakari

### **Hindustan vocal music**

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

2.Brief study of the following:-Gram,Murchhala,Alap,Tana

3.Historical development of time theory of Ragas

4.Detail study of the following:- Sangeet Ratnakar, Sangeet Parijat

### **Computer Science-**

Functions

File handling (Text, Binary and CSV)

SQL (What ever discussed in class)

Class XI revision Tour