



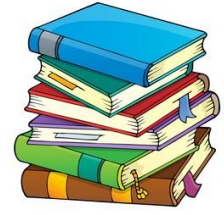
# **AIR FORCE GOLDEN JUBILEE INSTITUTE**

**SYLLABUS 2024-25**

**CLASS – X**

**ENGLISH**

**TERM I (MARCH - SEPTEMBER)**



## **PERIODIC TEST-I**

### **Reading Comprehension**

Unseen Passage

### **Writing Skills**

Letter to the Editor

### **Grammar:**

Integrated Grammar (Gap Filling, Editing)

### **Literature**

First Flight– A Letter to God (Prose), Dust of Snow, Fire and Ice (Poems)

Footprints without Feet: A Triumph of Surgery

## **PERIODIC TEST-II**

### **Reading Comprehension**

Unseen Passage

### **Writing Skills**

Letter of Complaint

### **Grammar:**

Integrated Grammar (Gap Filling, Editing)

## **Literature**

First Flight-Nelson Mandela-A long walk to Freedom, Two stories about Flying (Prose), A Tiger in the Zoo, How to Tell Wild Animals (Poems)

**Footprints without Feet:** The Thief's Story

## **MID-TERM EXAM**

### **Reading Comprehension**

Unseen Passage-2

(Descriptive and Case-based)

### **Creative Writing Skills**

Business Letters- (Letter of Enquiry, Letter of Complaint, Letter to the Editor)  
Analytical Paragraph – (Graph / Cues)

### **Grammar**

Integrated Grammar (Determiners, Tenses, Modals, Reported Speech, Subject-Verb Agreement-Gap Filling, Editing)

### **Literature**

**First Flight** – Prose- A Letter to God, Nelson Mandela: Long Walk to Freedom, Two Stories about Flying- I) His First Flight II) Black Aeroplane, From the Diary of Anne Frank, Glimpses of India, Mijbil the Otter

**Poems:** Dust of Snow, Fire and Ice, A Tiger in the Zoo, How to Tell Wild Animals, The Ball Poem, Amanda, The Trees

**Footprints without Feet:** A Triumph of Surgery, The Thief's Story, The Midnight Visitor, A Question of Trust, Footprints without Feet, The Making of a Scientist

## **TERM II (OCTOBER-MARCH)**

### **PRE-BOARD-1**

#### **Reading Comprehension-**

Unseen Passages-2

#### **Writing Skills**

Business Letters-(Letter of Enquiry, Letter of Complaint, Letter to the Editor, Letter for Placing Order)

Analytical Paragraph-Graph/Chart/Cues/Maps

#### **Grammar:**

Determiners, Tenses, Modals, Reported Speech, Subject-Verb Agreement, Integrated Grammar (Gap Filling, Transformation of sentences, Editing)

#### **Literature:**

First Flight – Prose: A Letter to God, Nelson Mandela: Long Walk to Freedom, Two Stories about Flying- I) His First Flight II) Black Aeroplane, From the Diary of Anne Frank, Glimpses of India, Mijbil the Otter, Madam Rides the Bus, The Sermon at Benares, The Proposal

#### **Poems:**

Dust of Snow, Fire and Ice, A Tiger in the Zoo, How to Tell Wild Animals, The Ball Poem, Amanda, The Trees, Fog, The Tale of Custard the Dragon, For Anne Gregory

#### **Footprints without Feet:**

A Triumph of Surgery, The Thief's Story, The Midnight Visitor, A Question of Trust, Footprints without Feet, The Making of a Scientist, The Necklace, Bholi

## **COMMON PRE-BOARD**

#### **Reading Comprehension -2**

Unseen Passages

#### **Writing Skills:**

Business Letters-(Letter of Enquiry, Letter of Complaint, Letter to the Editor, Letter for Placing Order)

Analytical Paragraph-Graph/Chart/Cues/Maps

## **Grammar:**

Integrated Grammar (Determiners, Tenses, Modals, Reported Speech, Subject-Verb Agreement-Gap Filling, Transformation of sentences, Editing)

## **Literature:**

### **First Flight:**

A Letter to God, Nelson Mandela: Long Walk to Freedom, Two Stories about Flying- I) His First Flight II) Black Aeroplane, From the Diary of Anne Frank, Glimpses of India, Mijbil the Otter, Madam Rides the Bus, The Sermon at Benares, The Proposal

### **Poems:**

Dust of Snow, Fire and Ice, A Tiger in the Zoo, How to Tell Wild Animals, The Ball Poem, Amanda, The Trees, Fog, The Tale of Custard the Dragon, For Anne Gregory

### **Footprints without Feet:**

A Triumph of Surgery, The Thief's Story, The Midnight Visitor, A Question of Trust, Footprints without Feet, The Making of a Scientist, The Necklace, Bholi, The Book that Saved the Earth

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## **HINDI**

### **TERM I (MARCH - SEPTEMBER)**

पाठ्य पुस्तक :-

स्पर्श भाग 2

संचयन भाग 2

### **PERIODIC TEST – I**

अपठित गद्यांश, पठित पद्यांश  
बड़े भाई साहब, कबीर की साखियाँ, मीरा के पद

व्याकरण -

● वाक्य - रचना के आधार पर ,  
वाक्य - रूपांतरण , मुहावरे

रचनात्मक लेखन -

- पत्र लेखन , अनुच्छेद- लेखन , सूचना लेखन, विज्ञापन ।

### PERIODIC TEST - II

पठित गद्यांश  
पठित पद्यांश

ततारा वामीरो कथा , डायरी का एक पन्ना, पर्वत प्रदेश में पावस, तोप , हरिहर काका

व्याकरण-

- समास, पदबंध , ईमेल लेखन , लघुकथा लेखन, पत्र लेखन , अनुच्छेद लेखन ।

### MID TERM (EXAM)

स्पर्श भाग 2 -

- बड़े भाई साहब, ततारा वामीरो कथा ,डायरी का एक पन्ना, तीसरी कसम के शिल्पकार शैलेंद्र, कबीर की साखी , मीरा के पद, पर्वत प्रदेश में पावस, तोप

संचयन भाग 2 -

- हरिहर काका , सपनों के से दिन

व्याकरण: वाक्य- रचना के आधार पर, वाक्य रूपांतरण , मुहावरे, समास, पदबंध , ईमेल लेखन, लघु कथा लेखन , औपचारिक - पत्र, सूचना लेखन, अनुच्छेद लेखन, विज्ञापन

अपठित गद्यांश , पठित गद्यांश, पठित पद्यांश ।

### TERM II (OCTOBER -MARCH)

#### PRE-BOARD 1

सीबीएसई द्वारा निर्धारित संपूर्ण पाठ्यक्रम

#### COMMON PRE - BOARD

सीबीएसई द्वारा निर्धारित संपूर्ण पाठ्यक्रम

# **MATHEMATICS**

## **TERM I (APRIL- SEPTEMBER)**

### **PERIODIC TEST – I**

Chapter 1 - Real Numbers  
Chapter 2 - Polynomials  
Chapter 3 - Pair of Linear Equations in Two Variables

### **PERIODIC TEST – II**

Chapter 4 - Quadratic equations  
Chapter 5 - Arithmetic Progressions

### **MID TERM (EXAM)**

Chapter 1 - Real Numbers  
Chapter 2 - Polynomials  
Chapter 3 - Pair of Linear Equations in Two Variables  
Chapter 4 - Quadratic equations  
Chapter 5 - Arithmetic Progressions  
Chapter 6 - Triangles  
Chapter 7 - Coordinate Geometry  
Chapter 8 - Introduction to Trigonometry  
Chapter 9 - Some Applications of Trigonometry

## **TERM II (OCTOBER- MARCH)**

### **PRE-BOARD -1**

Chapter 1 - Real Numbers  
Chapter 2 - Polynomials  
Chapter 3 - Pair of Linear Equations in Two Variables  
Chapter 4 - Quadratic equations  
Chapter 5 - Arithmetic Progressions  
Chapter 6 - Triangles  
Chapter 7 - Coordinate Geometry  
Chapter 8 - Introduction to Trigonometry  
Chapter 9 - Some Applications of Trigonometry  
Chapter 10 - Circles  
Chapter 11 - Areas Related to Circles  
Chapter 12 - Surface Areas and Volumes  
Chapter 13 – Statistics  
Chapter 14 – Probability

## **COMMON PRE-BOARD**

As per CBSE Syllabus

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### **SCIENCE**

#### **TERM I (APRIL - SEPTEMBER)**

##### **Periodic Test -I**

- Physics: Chapter 9- Light, Reflection and Refraction (up to page no 144 of NCERT textbook)
- Chemistry: Chapter 1- Chemical reactions and equations (up to page no.10 decomposition reaction)
- Biology: Chapter 5 Life Processes (till Nutrition topic only)

##### **Periodic Test -II**

- Physics: Chapter 9- Light, Reflection and Refraction (up to page no 149 i.e., Refractive Index)
- Chemistry: Chapter 1- Chemical reactions and equations  
Chapter 2- Acids, Bases and Salts (upto 2.2, What do all acids and basis have in common?)
- Biology: Lesson 5 - Life processes

##### **MID TERM (EXAM)**

- Physics: Chapter 9- Light, Reflection and Refraction  
Chapter 10- Human Eye and the Colorful World
- Chemistry: Chapter 1- Chemical reactions and equations  
Chapter 2- Acids, Bases and Salts  
Chapter 3- Metals and Non- metals up to page no. 49 Properties of ionic compounds
- Biology: Chapter 5 Life Processes  
Chapter 6 - Control and Coordination  
Chapter 13 - Our Environment

## **TERM II (OCTOBER - MARCH)**

### **Pre-Board -1**

- Chemistry: Chapter 1- chemical reactions and equations  
Chapter 2- Acids, Bases and Salts  
Chapter 3- Metals and non-metals  
Chapter 4- Carbon and its compounds
- Biology: Chapter -5 Life Processes  
Chapter -6 Control and Coordination  
Chapter 7 How do Organisms Reproduce?  
Chapter 8 Heredity  
Chapter 13 - Our Environment
- Physics: Chapter 9- Light, Reflection and Refraction  
Chapter 10- Human Eye and the Colorful World  
Chapter 11 – Electricity  
Chapter 12 – Magnetic Effects of Electric Current (up to page no  
203)

### **Common Pre-Board**

- Chemistry: Chapter 1- chemical reactions and equations  
Chapter 2- Acids, Bases and Salts  
Chapter 3- Metals and non-metals  
Chapter 4- Carbon and its compounds
  - Biology: Chapter -5 Life Processes  
Chapter -6 Control and Coordination  
Chapter 7 How do Organisms Reproduce?  
Chapter 8 Heredity  
Chapter 13 Our Environment
  - Physics: Chapter 9- Light, Reflection and Refraction  
Chapter 10- Human Eye and the Colorful World  
Chapter 11 – Electricity  
Chapter 12 – Magnetic Effects of Electric Current
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# **SOCIAL SCIENCE**

## **TERM I (APRIL- SEPTEMBER)**

### **PERIODIC TEST – I**

#### **History**

Chapter I Rise of Nationalism in Europe (till page 22)

#### **Civics**

Chapter 1 Power Sharing

#### **Geography**

Chapter 1 Resources and Development

#### **Economics**

Chapter 1 Development

### **PERIODIC TEST – II**

#### **History**

Chapter I Rise of Nationalism in Europe  
Chapter II Nationalism In India (till pg 37)

#### **Civics**

Chapter 1 Power Sharing  
Chapter 2 Federalism

#### **Geography**

Chapter 4 Agriculture

#### **Economics**

Chapter 2 Sectors of Indian Economy

### **MID TERM (EXAM)**

#### **History**

Chapter I - Rise of Nationalism in Europe.  
Chapter II - Nationalism in India

## **Civics**

Chapter 1 - Power Sharing

Chapter 2 - Federalism

Chapter 3 - Gender, Religion and caste.

## **Geography**

Chapter 1 Resources and Development

Chapter 2 Forest and Wildlife resources

Chapter 3 Water

Chapter 4 Agriculture

## **Economics**

Chapter 1 Development

Chapter 2 Sectors of Indian Economy

## **TERM II (OCTOBER- MARCH)**

### **PRE-BOARD-1**

## **History**

Chapter I -Rise of nationalism in Europe

Chapter II - Nationalism in India

Chapter III - The Making of a global World (only part I)

Chapter V - Print culture and Modern World

## **Civics**

Chapter 1- Power Sharing

Chapter 2- Federalism

Chapter 3- Gender, Religion and Caste

Chapter 4- Political Parties

## **Geography**

Chapter 1 Resources and Development

Chapter 2 Forest and Wildlife resources

Chapter 3 water Resources

Chapter 4 Agriculture

Chapter 5 Minerals and Energy resources

Chapter 6 Manufacturing Industries

## **Economics**

Chapter 1 Development

Chapter 2 Sectors of Indian Economy

Chapter 3 Money and Credit

## **COMMON PRE-BOARD**

## **History**

Chapter I -Rise of nationalism in Europe

Chapter II - Nationalism in India

Chapter III - The Making of a global World (only part I)

Chapter V - Print culture and Modern World

## **Civics**

Chapter 1- Power Sharing

Chapter 2- Federalism

Chapter 3- Gender, Religion and Caste

Chapter 4- Political Parties

Chapter 5- Outcomes of Democracy

## **Geography**

Chapter 1 Resources and Development

Chapter 2 Forest and Wildlife resources

Chapter 3 water Resources

Chapter 4 Agriculture

Chapter 5 Minerals & Energy resources

Chapter 6 Manufacturing Industries

Chapter 7 Lifeline of National Economy (MAP WORK)

## **Economics**

Chapter 1 Development

Chapter 2 Sectors of Indian Economy

Chapter 3 Money and Credit

Chapter 4 Globalization and the Indian Economy

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# COMPUTER

## TERM I (APRIL- SEPTEMBER)

### UNIT -1 NETWORKING

- Internet: World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site.
- Internet protocols: TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP.

### UNIT-2 - HTML

- HTML Forms: Textbox, radio buttons, checkbox, password, list, combobox.
- Embed audio and video in a HTML page.
- Create a table using the tags: table, tr, th, td, rowspan, colspan
- Links: significance of linking, anchor element (attributes: href, mailto), targets.
- Cascading style sheets: colour, background-colour, border-style, margin, height, width, outline, font (family, style, size), align, float.

### UNIT -3 : CYBER ETHICS

- Netiquettes.
- Software licenses and the open source software movement.
- Intellectual property rights, plagiarism and digital property rights.
- Freedom of information and the digital divide.
- E-commerce: Privacy, fraud, secure data transmission.

### UNIT 4 : Lab Exercises

- Create static web pages.
- Use style sheets to enforce a format in an HTML page (CSS).
- Embed pictures, audio and videos in an HTML page.
- Add tables and frames in an HTML page.

## TERM II (OCTOBER- MARCH)

### UNIT -3 : CYBER ETHICS ( CONTD )

- Intellectual property rights, plagiarism and digital property rights.
- Freedom of information and the digital divide.
- E-commerce: Privacy, fraud, secure data transmission.

### UNIT 4. Lab Exercises

- Decorate web pages using graphical elements.
- Create a website using several web pages. Students may use any open source or proprietary tool.
- Work with HTML forms: text box, radio buttons, checkbox, password, list, combo box.
- Write a blog using HTML pages discussing viruses, malware, spam and antiviruses
- Create a web page discussing plagiarism. List some reported cases of plagiarism and the consequent punishment meted out. Explain the nature of the punishment in different countries as per their IP laws.