

# St. Francis' Convent Inter College, Jhansi

## *Class 10 Syllabus (2026-27)*

### English Language

#### **I<sup>st</sup> Term**

- Total English
- Model Papers – 1 to 8

#### **I<sup>st</sup> Unit Test**

#### Functional Grammar

#### **II<sup>nd</sup> Unit Test**

#### Listening and Speaking skills

#### **II<sup>nd</sup> Term**

- Model Papers – 9 to 15

#### **III<sup>rd</sup> Unit Test**

#### Letter / Email and Notice

#### **IV<sup>th</sup> Unit Test**

#### Listening and Speaking skills

#### Topics Covered:

- Essay Writing
- Letter Writing
- Email/Notice
- Comprehension
- Functional Grammar
- Transformation of Sentences / Prepositions / Verb Paragraphs / Synthesis of Sentence

### **English Literature**

#### **I<sup>st</sup> Term**

- Drama: Julius Ceaser – Act III, ACT IV – Scene 1,2
- Treasure Chest: A Collection of ICSE Short Stories and Poem

#### **PROSE (Short stories):**

1. With the Photographer
2. The Elevator

### 3. The Girl Who Can

#### **POETRY:**

1. Haunted Houses
2. The Glove and The Lions
3. When Great Trees Fall

#### **I<sup>st</sup> Unit Test**

With the Photographer

#### **II<sup>nd</sup> Unit Test**

Act III, Scene 1

Haunted Houses

#### **II<sup>nd</sup> Term**

Drama: Julius Ceaser – Act IV, ACT V

Treasure Chest: A Collection of ICSE Short Stories and Poem

#### **PROSE (Short stories):**

4. The Pedestrian
5. The Last Lesson

#### **POETRY:**

4. A Considerable Speck
5. The Power of Music

#### **III<sup>rd</sup> Unit Test**

A Considerable Speck

The Pedestrian

#### **IV<sup>th</sup> Unit Test**

Act IV, Scene 3

First Term Syllabus Will Be Included In The Final Examination

Hindi

#### **I<sup>st</sup> Term**

## साहित्यसागर-

Chapter 7: सन्देह

Chapter 8: भीड़ में खोया आदमी

## एकांकी संचय-

Chapter 4: सूखी डाली

Class 9th के पाठ्यक्रम का पुनर् अभ्यास

- नेताजी का चश्मा
- काकी
- बहू की विदा

## हिंदी व्याकरण-

- समानार्थक शब्द
- विलोम शब्द
- अनेक के लिए एक शब्द
- विशेषण
- भाववाचक संज्ञा
- तत्सम - तद्भव
- मुहावरे एवम लोकोक्ति
- वाक्य परिवर्तन
- अपठित गद्यांश
- पत्र लेखन
- निबंध लेखन
- कहानी लेखन
- चित्र पर आधारित प्रस्ताव
- वाच्य परिवर्तन
- वर्तनी शुद्ध
- अशुद्धि का शोधन

## **Ist Unit Test**

Chapter 7: सन्देह

## **II<sup>nd</sup> Unit Test**

- समानार्थक शब्द
- विलोम शब्द
- विशेषण
- तत्सम - तद्भव
- वर्तनी शुद्ध

## **II<sup>nd</sup> Term**

### **साहित्य-सागर**

Chapter 9: भेड़ और भेड़िये

Chapter 10: दो कलाकार

### **एकांकी-संचय**

Chapter 5: महाभारत की एक सांझ

Chapter 6: दीपदान

साहित्यसागर तथा एकांकी के शेष पाठों की पुनरावृत्ति

हिंदी व्याकरण- प्रथम सत्र के अनुसार

## **III<sup>rd</sup> Unit Test**

भीड़ में खोया आदमी

## **IV<sup>th</sup> Unit Test**

मुहावरे

वाक्य परिवर्तन

अनेक के लिए एक शब्द

# Mathematics

## I<sup>st</sup> Term

Chapter 1 : GST [Goods and Services Tax]

Chapter 2 : Banking (Recurring Deposit Accounts)

Chapter 3 : Shares and Dividends

Chapter 4 : Linear Inequations (In one variable)

Chapter 5 : Quadratic Equations

Chapter 6 : Solving (simple) Problems

Chapter 7 : Ratio and Proportion

(Including Properties and Uses)

Chapter 8 : Remainder and Factor Theorems

Chapter 12 : Reflection

Chapter 15: Similarity

Chapter 17 : Circles

Chapter 20 : Cylinder, Cone and Sphere

Chapter 21 : Trigonometrical Identities

Chapter 23 : Graphical Representaion

Chapter 25 : Probability

## I<sup>st</sup> Unit Test

Chapter 2 : Banking

## II<sup>nd</sup> Unit Test

Chapter 5 : Quadratic Equations

## II<sup>nd</sup> Term

Chapter 9 : Matrices

Chapter 10 : Arithmetic Progression

Chapter 11 : Geometric Progression

Chapter 13 : Section and Mid-Point Formula

Chapter 14 : Equation of a Line

Chapter 16 : Loci (Locus and Its Constructions)

**Chapter 18 : Tangents and Intersecting Chords**

**Chapter 19 : Constructions (Circles)**

**Chapter 22 : Heights and Distances**

**Chapter 24 : Measures of Central Tendency**

**And chapters of term 1**

**III<sup>rd</sup> Unit Test**

**Chapter 9 : Matrices**

**Chapter 10 : Arithmetic Progression**

**IV<sup>th</sup> Unit Test**

**Chapter 22 : Heights and Distances**

**Chapter 24 : Measures of Central Tendency**

**History And Civics**

**I<sup>st</sup> Term**

**History**

**Lesson 1. The First War of Independence 1857**

**Lesson 2. Growth of nationalism**

**Lesson 3. First Phase of the Indian National Movement**

**Lesson 4. Second Phase of the Indian National Movement**

**Lesson 5. The Muslim League**

**Lesson 6. Mahatma Gandhi and the National Movement**

**Lesson 7. Quit India Movement**

**Lesson 8. Forward bloc and the INA**

**Lesson 9. Independence and the partition of India**

**Civics**

**LESSON 1. The Union Parliament**

**LESSON 2. The President and the Vice President**

## **I<sup>st</sup> Unit Test**

**LESSON 1. The First War of Independence 1857**

## **II<sup>nd</sup> Unit Test**

**Lesson 1. The Union Parliament (Civics)**

**Lesson 2. Growth of nationalism (History)**

## **II<sup>nd</sup> Term**

### **History**

**Lesson 10. The First World War**

**Lesson 11. Rise of Dictatorships**

**Lesson 12. The Second World War**

**Lesson 13. United Nations**

**Lesson 14. Major agencies of the United Nations**

**Lesson 15. Non-Aligned Movement**

### **Civics**

**Lesson 3. Prime Minister and the Council of Ministers**

**Lesson 4. The Supreme Court**

**Lesson 5. The High courts and the Subordinate courts**

## **III<sup>rd</sup> Unit test**

**Lesson 10. The First World War (History)**

**Lesson 3. Prime Minister and the Council of Ministers (Civics)**

## **IV<sup>th</sup> Unit Test**

**Lesson 12. The Second World War (History)**

**Lesson 4. The Supreme Court (Civics)**

## Geography

### 1<sup>st</sup> Term

- Chapter 1: Topographical Map G43S7
- Chapter 2: Physical Map of India
- Chapter 7: Climate
- Chapter 8: Soil Resources
- Chapter 9: Natural Vegetation
- Chapter 10: Water Resources
- Chapter 11: Mineral Resources
- Chapter 12: Conventional Sources of Energy
- Ch 13: Non-Conventional Sources of Energy

### 1<sup>st</sup> Unit Test

Map of India- Physical

### II<sup>nd</sup> Unit Test

Chapter 8: Soil Resources

### II<sup>nd</sup> Term

- Chapter 14: Agriculture-1
- Chapter 15: Agriculture-2
- Chapter 16: Agriculture-3
- Chapter 17: Agriculture-4
- Chapter 18: Agro-Based Industries
- Chapter 19: Mineral-Based Industries
- Chapter 20: Transport
- Chapter 21: Waste Management-1
- Chapter 22: Waste Management-2

- Toposheet G43S10
- Physical Map of India

### III<sup>rd</sup> Unit Test

Industries

## **IV<sup>th</sup> Unit Test**

Chapter 20: Transport

## **Physics**

### **I<sup>st</sup> Term**

Chapter 1 : Force

Chapter 2 : Work,Energy and Power

Chapter 3 : Machines

Chapter 6 : Spectrum

Chapter 7 : Sound

Chapter 12 : Radioactivity

### **I<sup>st</sup> Unit Test**

Chapter 1 : Force A ,B

### **II<sup>nd</sup> Unit Test**

Chapter 3 : Machines

### **II<sup>nd</sup> Term**

Chapter 4 : Refraction of light at Plane surface

Chapter 5 : Refraction through a lens

Chapter 8 : Current Electricity

Chapter 9 : Household circuit

Chapter 10: Electro-magnetism

Chapter 11 : Calorimetry

### **III<sup>rd</sup> Unit Test**

Chapter 4 : Refraction of light at Plane surface

### **IV<sup>th</sup> Unit Test**

Chapter 8 : Current Electricity

# Chemistry

## I<sup>st</sup> Term

Chapter 1 Periodic table and properties.

Chapter 2 Chemical Bonding.

Chapter 3 Acid, bases and salts

Chapter 4 Analytical chemistry

Chapter 5 Mole concept.

Chapter 6 Electrolysis .

## I<sup>st</sup> Unit Test

Chapter 1 Periodic table and properties.

## II<sup>nd</sup> Unit Test

Chapter 2- Chemical Bonding.

## II<sup>nd</sup> Term

Chapter 7 Metallurgy.

Chapter 8 Hydrogen Chloride.

Chapter 9 Ammonia.

Chapter 10 Nitric Acid.

Chapter 11 Sulphuric Acid.

Chapter 12 Organic chemistry.

## III<sup>rd</sup> Unit Test

Chapter 7- Metallurgy

## IV<sup>th</sup> Unit Test

Chapter 8 Hydrogen Chloride.

Chapter 9 Ammonia.

## Biology

### I<sup>st</sup> Term

Chapter 2- Structure of Chromosomes, cell cycle and cell Division

Chapter 3- Genetics

Chapter 4-Absorption by roots

Chapter 5- Transpiration

Chapter 6- Photosynthesis

Chapter 8- The circulatory system

Chapter 9-The excretory System

Chapter 16-Pollution.

### I<sup>st</sup> Unit Test

Chapter 2- Structure of Chromosomes, cell cycle and cell Division

### II<sup>nd</sup> Unit Test

Chapter 16-Pollution.

### II<sup>nd</sup> Term

Chapter 7- Chemical coordination in plants

Chapter 10- The Nervous system

Chapter 11- Sense Organs

Chapter 12- The Endocrine system

Chapter 13- The reproductive system

Chapter 14-Human Evolution

Chapter 15- Population

### III<sup>rd</sup> Unit Test

Chapter 7- Chemical coordination in plants

### IV<sup>th</sup> Unit Test

Chapter 14-Human Evolution

Pre board = Ist TERM + IInd TERM

# Robotics & Artificial Intelligence

## I<sup>st</sup> Term

### Part 1

Lesson-1 New Age Robotic Systems

Lesson-2 From Robots To Cobots

Lesson-3 Components Of Robots As A System

### Part 2

Lesson-1 Decision Making In Machines/ Computers

Lesson-2 Machine Intelligence And Cybersecurity In Computing

+ PYTHON programs

## I<sup>st</sup> Unit Test

Lesson -1 ( Part 1) New Age Robotic Systems

## II<sup>nd</sup> Unit Test

Lesson -1( PART 2) Decision Making In Machines/ Computers

## II<sup>nd</sup> TERM

### Part 1

Lesson-4 Visualization, Design And Creation Of Components

Lesson-5 Integrating Robots As A System

### PART 2

Lesson-3 Components Of Ai Project Framework

Lesson-4 Introduction To Data And Programming With Python

+ PYTHON programs

## III<sup>rd</sup> Unit Test

Lesson -3 (PART 2) Components Of Ai Project Framework

## IV<sup>th</sup> Unit Test

Programming In Python

(ENTIRE SYLLABUS INCLUDED IN PREBOARD)

# COMPUTER SCIENCE

## I<sup>st</sup> Term

Chapter I. Revision tour

Chapter 2- class as the basis of all computation

Chapter 3-User Defined Methods ( Functions or Methods )

Chapter 4 - Constructors

Chapter 5- Library classes

Chapter 6. Encapsulation

Note : Full programming in Java of class 9 included

## I<sup>st</sup> Unit Test

- OOP Concepts
- Elementary Concept of Objects and Classes
- Values and Data Types
- Operators
- Expressions
- Input in java and Mathematical Library Methods
- Note: Class 9 basic programs

## II<sup>nd</sup> Unit Test

Chapter I. Revision tour and

Chapter 2 Class As the basis of all computation

Note: Class 9 basic programs

## II<sup>nd</sup> Term

Lesson 6. Encapsulation

Lesson 7. Arrays ( Single and Double Dimension Array)

Lesson 8. String Handling

Lesson 9. Output questions

Note : Full programming in Java of class 9 included

## III<sup>rd</sup> Unit Test

Lesson 7. Arrays

## IV<sup>th</sup> Unit Test

Lesson 8. String Handling

## **ECONOMICS APPLICATIONS**

### **I<sup>st</sup> Term**

**Chapter 1 – Demand : Law of demand and determinants of demand**

**Chapter 2 – Supply : Law of supply and determinants of supply**

**Chapter 3 – Elasticity of demand and supply**

**Chapter 4 –Factors of production : Land and Labour**

**Chapter 5 –Factors of production : Capital and entrepreneur**

### **I<sup>st</sup> Unit Test**

**Chapter 1 - Demand : Law of demand and determinants of demand**

### **II<sup>nd</sup> Unit Test**

**Chapter 2 – Supply : Law of supply and determinants of supply**

### **II<sup>nd</sup> Term**

**Chapter 1 – Demand : Law of demand and determinants of demand**

**Chapter 2 – Supply : Law of supply and determinants of supply**

**Chapter 3 – Elasticity of demand and supply**

**Chapter 4 –Factors of production : Land and Labour**

**Chapter 5 –Factors of production : Capital and entrepreneur**

**Chapter 6 – Forms of market structure : Basic concepts**

**Chapter 7 – The role of state in economic development**

**Chapter 8 – Public sector enterprises and their privatisation**

**Chapter 9 – Money and inflation**

**Chapter 10 – Banking : Commercial banks and central banks**

### **III<sup>rd</sup> Unit Test**

**Chapter 6 - Forms of market structure : Basic concepts**

### **IV<sup>th</sup> Unit Test**

**Chapter 7 - The role of state in economic development**

# PHYSICAL EDUCATION

## I<sup>st</sup> Term

(Section A)

Chapter 1. Human Growth and Development

Chapter 2. Physical Education

Chapter 3. Body Types

Chapter 4. Physical Fitness

(Section B)

Chapter 1. Cricket

Chapter 2. Football

Chapter 3. Hockey

## I<sup>st</sup> Unit Test

Human Growth and Development

## II<sup>nd</sup> Unit Test

Physical Fitness

## II<sup>nd</sup> Term

(Section A)

Chapter 5. Sports Training

Chapter 6. Safety in Sports

Chapter 7. Health Education

Chapter 8. Careers in Physical Education

(Section B)

Chapter 4. Basketball

Chapter 5. Volleyball

Chapter 6. Badminton + First Term Syllabus

## III<sup>rd</sup> Unit Test

Sports Training

## **IV<sup>th</sup> Unit Test**

### **Health Education**

#### **Art (Drawing and Painting)**

##### **Paper 1: Still Life (100 marks)**

- **Fruits arrangement**
- **Vegetable arrangement**
- **Different types of flower arrangements**
- **Musical instruments**
- **Sports kit**
- **Painting kit**
- **Growing plants**
- **Domestic or artificial objects**

##### **Paper 2: Nature (100 marks)**

- **Vegetable arrangement**
- **Different types of flowers**
- **Flowering branch of a tree or shrub**
- **Money plant**
- **Cactus plant**
- **Snake plant**
- **Sugarcane**
- **Corn with leaf**
- **Different types of fruit arrangements**

##### **Practical Work**

**100 marks**

- **Complete still life file and nature file**
- **Any two craft work**