



# FIRAYALAL PUBLIC SCHOOL, RANCHI

## SUMMER ASSIGNMENT (2026-27)

### Class X

## ENGLISH

1. "A Letter to God": Create an illustrated storyboard or comic strip of Lencho's life, or write an analytical comparison of faith vs. human nature.
2. "Nelson Mandela: Long Walk to Freedom": Create a timeline of Mandela's life or a poster exploring the theme of apartheid with quotes from the chapter.

## HINDI

- कार्य -1. अपने व्याकरण पुस्तक के आधार पर विभिन्न 5 विषयों पर एक एक अनुच्छेद लिखें।
2. विभिन्न विषयों पर 5 विज्ञापन तैयार करें।
3. ईमेल और संदेश लेखन भी विभिन्न विषयों पर 5-5 तैयार करें।

## MATHS

Solve chapter 3

- (a) All word problems question from of linear equations in two variables
- (b) Draw neat and clean diagram of various conditions of polynomial graph.

Or

Draw neat and clean diagram of linear equations of two variables in all conditions.

## PHYSICS

1. Draw all the ray diagram of concave mirror and convex mirror in a chart (use matchstick or other stuffs for drawing the ray diagram)
2. Draw all the ray diagram of concave lens and convex lens in a chart (use matchstick or other stuffs for drawing the ray diagram)
3. Draw a labelled diagram of eye (label it and use different colour for different parts of eye)

Note:- Use three chart paper for drawing the ray diagram and the eye.

## CHEMISTRY

### **CHEMISTRY PROJECT WORK**

Q.1. Collect information about different types of indicators such as natural indicators, synthetic indicators, and olfactory indicators.

Write their effects on acids and bases separately. Also paste the pictures.

Q.2. Observe your surroundings and identify different corroded substances around you.

Write a short description about each corroded substance and paste their pictures in the project **file**.

**Instructions:**

Do the project neatly on A4 size sheets.

Arrange the sheets properly and submit them in a stick file.

Use proper headings and neat handwriting.

## **BIOLOGY**

1. Make an investigatory project report on “Diabetes mellitus” or “The depleting Ozone- a majorconcern”.

The project must be handwritten & must include index, certificate, acknowledgement, content (at least 10pages) & bibliography.

You can collect data from magazines, newspapers and internet. Printed materials and pictures can be pasted.

2. Complete the notebook and revise the portions completed.

## **SOCIALSCIENCE**

Q. Make a comparative study between forest, wildlife and water resources of Jharkhand and Arunachal Pradesh.

## **COMPUTER**

### **Project Assignment**

CBSE Class 10 Board Practical Exam - Information Technology (Code 402)

Unit 1: Digital Documentation (Advanced)

Maximum Marks: 50 Marks (Internal Project Component)

### **Project Assignment Question:**

"As the Student IT,you are assigned the task of creating and managing the complete documentation suite for the upcoming 10 Board Practical Exam. The documentation must look highly professional, follow a strict corporate visual identity, and automate repetitive tasks.

Using OpenOffice Writer / LibreOffice Writer, create a comprehensive, multi-page document portfolio that satisfies the following five technical mandates:

1. **Style Automation:** Establish a uniform document structure. Design custom paragraph styles for main headings (Arial, 16pt, Bold, Dark Blue), sub-headings (Arial, 12pt, Italic, Green), and body text (Justified, 1.5 line spacing). Apply these across a 3-page guidelines document.
2. **Graphic Design & Formatting:** Insert the official school logo and a relevant science graphic. Anchor the logo permanently to the page corner, and configure advanced text wrap options around the science graphic to ensure zero text overlaps.
3. **Template Creation:** Design a reusable 'Project Evaluation Sheet' template for the panel of judges. The template must retain predefined grading grids and school branding headers, allowing judges to open fresh, clean instances for every team.

4. Automated Indexing: Enable seamless navigation by generating an automated 'Table of Contents' (TOC) at the beginning of the booklet based on the assigned structural heading levels.

5. Mass Communication (Mail Merge): Use the Mail Merge Wizard to link an external data source spreadsheet (containing fields for Student Name, School Name, and Project Title) to a standard certificate template to automatically generate personalized participation certificates for 150 different schools.

Submission Requirement: Compile your work into a comprehensive required pages printed project file containing step-by-step implementation procedures, actual software screenshots demonstrating successful execution."