



**FIRAYALAL PUBLIC SCHOOL, RANCHI**  
**ASSIGNMENT WORK (2026-27)**  
**GRADE: XI (SCIENCE A+B)**

## **ENGLISH**

### Part – A (10)

Create a beautifully decorated scrapbook titled:

**“Echoes of Literature: My Journey Through Hornbill and Snapshots”**

**Include the following:**

#### **1. Book cover page design / acknowledgement**

- (a) Student's Name
- (b) Class & Section
- (c) Session
- (d) Subject Teacher Name
- (e) School Name
- (f) Creative illustrations inspired by the stories & poems.

#### **2. Author Gallery:-**

**Prepare short profiles (80-100) words with picture of: — (any 1)**

- ❖ R.K. Narayan
- ❖ Shirley Toulson
- ❖ William Saroya

#### **3. Character Portraits**

- a) Choose any 2 character and create
- b) Sketch or symbolic representation
- c) Character traits
- d) Favourite dialogue
- e) Your opinion about the character.

#### **4. Quote Wall**

**Write 10 impactful quotes from the chapters / poems and explain what each quote means to you**

### **PART- B**

#### **Instagram Profile**

**Q 1) Design an imaginary Instagram profile for any one character.**

1. Grandmother (The Portrait of a Lady)
2. Grandson (The Portrait of a Lady)
3. Mother (The Photograph)
4. Aram (Summer of the Beautiful White Horse)
5. Mourad ("Summer of the Beautiful White Horse ")
6. Uncle Khosrove ("Summer of the Beautiful White Horse ")

**INCLUDE —:**

- a) Username
- b) Bio
- c) 3 posts with captions
- d) Followers / Following
- e) Comment: from other characters.

## **PHYSICS**

1. Why was science called natural philosophy in earlier days?
2. Can an instrument be called precise without being accurate? can it be accurate without being precise?
3. What is the role of Physics in your daily life?
4. Define the following terms:
  - (i) Light year
  - (ii) Parsec
  - (iii) Astronomical unit
5. How is science different from Technology?

## **CHEMISTRY**

# Acid, base and salt chart

Or,

# Greenhouse effect explanation

Or,

# Sustainable chemistry practices

Or, b

# Petroleum refining process

Note :- Do it in the chart paper.

## **ECONOMICS**

Statistics Holiday Homework – Grade 11

Chapters:

1. Introduction to Statistics
2. Collection of Data
3. Organisation of Data

Part A: Case Study Questions

1. Introduction to Statistics

A mobile company collected data regarding sales of smartphones in different cities. The management used this information to identify high-demand areas and improve marketing strategies.

Questions:

- a) Which branch of study deals with collection and analysis of such data?
- b) State one importance of statistics in business.
- c) Mention one limitation of statistics.

2. Primary Data Collection

A school principal personally asked students about the number of hours they study daily and recorded their responses.

Questions:

- a) Identify the type of data collected.

b) Why is this data considered reliable?

c) Mention one method used for collecting primary data.

### 3. Secondary Data

A researcher used RBI reports and government publications to study inflation trends in India.

Questions:

a) Identify the type of data used.

b) Mention one source of such data.

c) State one precaution while using secondary data.

### 4. Census Method

The government conducted a survey by collecting information from every household regarding literacy rate.

Questions:

a) Which method of investigation is used?

b) Mention one advantage of this method.

c) State one limitation of census method.

### 5. Sampling Method

A cosmetic company selected 200 women from a city to test a new skincare product before launching it.

Questions:

a) Which method of data collection is used?

b) Why is this method economical?

c) What is meant by a representative sample?

### 6. Organisation of Data

A teacher collected marks of students and arranged them into groups such as 0–10, 10–20, and 20–30.

Questions:

a) What is this arrangement called?

b) Why is organisation of data important?

c) Define class interval.

### 7. Classification of Data

An NGO grouped people according to gender, literacy level, and occupation.

Questions:

- a) What is meant by classification of data?
- b) Name the type of classification based on gender.
- c) Mention one advantage of classification.

#### 8. Tabulation

A company prepared a table showing monthly sales of televisions, refrigerators, and washing machines.

Questions:

- a) What is tabulation?
- b) Mention one advantage of tabulation.
- c) What is the heading of a table called?

#### 9. Frequency Distribution

A survey report arranged students according to the number of hours spent on mobile phones daily.

Questions:

- a) What is frequency distribution?
- b) Define frequency.
- c) Mention one use of frequency distribution.

#### 10. Use of Statistics

An economist analysed unemployment data to suggest employment policies for the government.

Questions:

- a) Mention one field where statistics is used.
- b) How does statistics help in decision-making?
- c) State one misuse of statistics.

#### Part B: Numerical Questions

1. The marks obtained by 20 students in Economics are given below:

12, 15, 18, 10, 25, 22, 18, 16, 20, 12, 14, 17, 19, 24, 21, 13, 18, 15, 16, 20

a. Prepare a frequency distribution table using class intervals:

10–14, 15–19, 20–24, 25–29

b. Convert the series into exclusive one.

2. The number of books read by students in a month is given below:

2, 4, 3, 5, 2, 6, 4, 3, 5, 4, 2, 1, 3, 2, 4

Prepare a discrete frequency distribution table.

3. The daily wages (in ₹) of workers are:

200, 220, 250, 240, 260, 280, 220, 240, 250, 260

- a. Find the range of daily wages.
- b. Arrange the data into a simple individual series

4. Classify the following data into class intervals of width 10:

11, 15, 22, 25, 29, 31, 34, 38, 42, 45, 48, 50

- a. Find class mid-points
- b. Prepare less than series
- c. Prepare more than series

## **MATHEMATICS**

- (a) All chapter of set from RS AGRWAL books.

## **PHYSICAL EDUCATION**

**Write short notes on**

1. Kabaddi
2. Volleyball

## **INFORMATION PRACTICES (IP)**

Create a ppt at least 10 slide to display the python programming including the topics introduction about python, uses, features, limitation, data types, operators

## **BIOLOGY**

Write a report on the biodiversity in your local area.

Instructions:

1. Identify and classify at least ten different species of plants and animals.
2. Use the proper scientific names for classification.
3. Discuss the ecological roles of these species in your local environment.

Prepare the report on A-4 size paper and the content (at least 10 pages) of the report should be handwritten. The pictures and data collected can be pasted.