

# **BOKARO PUBLIC SCHOOL**

Sector-III/C , Bokaro Steel City - 827003

## **SUMMER VACATION HOLIDAY HOMEWORK (2025-26)**

#### <u>CLASS – X</u>

DATE : 09.05.25

# SUBJECT :ENGLISH

- 1. Continue and complete the story in 150 words beginning the story with "It was a dark and stormy night ..........".
- 2. Make a poster on "Reading is fun"
  - Use slogan and drawing.
- 3. . Write a short note paragraph (80-100 words )on:-
  - "Why Books are our best Friends"
  - "If I could Fly"
- 4. Write an informal letter to your friend about :-
  - How you plan to spend your holidays?
- 5. Learn all the topics done so far .

# **SUBJECT :MATHS**

- Q.1. The ratio of incomes of two persons is 9 : 7 and the ratio of their expenditures is 4 : 3. If each of them manages to save Rs. 2000 per month, find their monthly incomes
  - Q.2.For which values of a and b do the following pair of linear equations have infinite solutions

$$2x + 3y = 7$$
  
(a - b) x + (a + b) y =  $3a + b - 2$ 

Q.3.Draw the graphs of the equations x - y + 1 = 0 and 3x + 2y - 12 = 0. Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region

Q.4.Find the zeroes of the quadratic polynomial  $7y^2 - (11/3)y - (2/3)$  and verify the relationship between the zeroes and the coefficients.

Q.5. Find a quadratic polynomial, the sum and product of whose zeroes are V2 and -3/2, respectively. Also find its zeroes.

Q.6. Given that  $\sqrt{2}$  is irrational, prove that (5 +  $3\sqrt{2}$ ) is an irrational number.

Q.7. Find two irrational numbers lying between  $\sqrt{2}$  and  $\sqrt{3}$ .

## **SUBJECT : SCIENCE**

- 1. Draw the ray diagrams for the formation of image in a concave mirror for various positions of the object
- 2. Draw the ray diagrams for the formation of image in a convex mirror for various positions of the object.
- 3. Write the use of concave mirror and convex mirror.
- 4. What is linear magnification.
- 5. Numerical (NCERT) Exercise : 6,8,11,12,13,14
- 6. Complete your notebook properly.
- 7. Learn all the definition and steps of nutrition in Amoeba and Human being.
- 8. Draw a poster on "Nutrition in Human being" in a colourfull chart paper.
- 9. Solve NCERT Exampler of Chapter-1.

### **SUBJECT : HINDI**

- सूरदास या तुलसीदास में किन्हीं एक का सचित्र जीवन-परिचय लिखें ।
- 2. मनोरंजन के हाई-टेक साधन पर लगभग 120 शब्दों में एक अनुच्छेद लिखिए।
- 3. शहरों में प्रदूषण दिन-प्रतिदिन बढ़ता जा रहा है। आप पर्यावरण विभाग की ओर से स्थानीय समाचार-पत्र में विज्ञापन देना चाहते है। आप इसके लिए लगभग 40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

### **SUBJECT : COMPUTER**

- 1. How is active listening important in Verbal Communication.
- Describe briefly how we can ensure effective Verbal Communication with the help of a diagram.
- 3. Briefly describe the stages of AI Project Cycle.
- 4. How are goals and problem statement related to each other? Explain with an example.
- 5. Describe briefly how data acquisition is done from various types of data sources.
- 6. How are testing data and training data related to each other?
- 7. Describe briefly any 5 data quality features.

## **SUBJECT :Social Science**



### I. FLASH CARD MAKING:

TOPIC: ETHNIC COMPOSITION OF SRI LANKA AND BELGIUM

**MATERIALS USED:** COLOUR CHART PAPER PAPER SIZE: 4"/6" (Post Card) **EXAMPLE:** 



2. WHAT IS THE CRITERION USED BY THE **UNDP(United Nation Development Project)** FOR CLASSIFYING COUNTRIES? MENTION THE RECENT HDI RANKING OF INDIA.

OR

" GIRLS IN INDIA IN THE RURAL SECTOR ARE SOMETIMES NOT ABLE TO GET SECOUNDARY LEVEL EDUCATION ".GIVE THREE REASONS FOR THE STATEMENT.

OR

WHY IS THE ISSUE OF SUSTAINABILITY IMPORTANT FOR DEVELOPMENT?

(NOTE: FOR ABOVE QUESTION USE FILE PAPER------).

3. MINIATURE PAPER BAG MAKING:

Topic: WOMEN DISCRIMINATION

Materials for use: Bit of Chart Paper/Card Board (White or Color)/ Waste materials etc.

# Size: CUP SIZE Examples:







## Date Of Submission : After Summer Vacation



#### **PRESENTED BY:**

