



# BOKARO PUBLIC SCHOOL

Sector-III/C , Bokaro Steel City – 827003

## SUMMER VACATION HOLIDAY HOMEWORK (2025-26)

**CLASS – IX**

**DATE : 09.05.25**

### **SUBJECT :ENGLISH**

1. Your sister and you decided to give your mother a day off from the kitchen on her birthday. Write a diary entry in 100-150 words on how you managed to run the kitchen
  - Without your mother's assistance.
2. Would you like to be taught a mechanical of a human teacher? Why?
3. Write a letter to your friend him how Evelyn inspired you.
4. If you had been the lost child, what would you have done to find find your parents in the fair? (80 words)
  - Note:- You have to answer all these questions in your notebook.
5. Make a musical instrument song vaatas material like , flute, table, drum etc using waste materials.
6. Prepare a “Newspaper” (include editorial, distrust current news, sports news, amazing facts, recipe, business news, government programmes, short, short description on one of the actor of jharkhand)

### **SUBJECT :MATHS**

- Q1.** Find three different irrational numbers between the rational numbers  $5/7$  and  $9/11$ .
- Q.2.** Represent  $\sqrt{9.3}$  on the number line.
- Q.3.** What is the value of  $(256)^{0.16} \times (256)^{0.09}$ ?
- Q.4.** Find the value of  $x^3 + y^3 + z^3 - 3xyz$  if  $x^2 + y^2 + z^2 = 83$  and  $x + y + z = 15$
- Q.5.** Factorise  $x^2 - 1 - 2a - a^2$ .

**Q.6. . If  $(x - 1/x) = 4$ , then evaluate  $(x^2 + 1/x^2)$  and  $(x^4 + 1/x^4)$ .**

**Q.7. Points A (5, 3), B (-2, 3) and D (5, -4) are three vertices of a square ABCD. Plot these  
Plot this points on graph paper and hence find the coordinates of the vertex C.**

## **SUBJECT : SCIENCE**

- 1. Define distance and displacement**
- 2. Write difference between distance and displacement**
- 3. Define Scalar and Vector Quantities with example.**
- 4. Define uniform speed and draw its graph.**
- 5. Write the Types of speed and define them.**
- 6. Define velocity and write its type.**
- 7. Define non-uniform velocity and draw its graph.**
- 8. Learn all the definations, differences of chapter 'Cell'.**
- 9. Write the following in your notebook:**
  - (i) Defination: Cell Theory**
  - (ii) Difference between Eukaryotic and Prokaryotic cell**
  - (iii) Unicellular and multicellular**
  - (iv) Structure of cell**
  - (v) Definition: Diffussion, Osmosis, Isotomic, Hypotomic, Hypertomic.**

## **SUBJECT : HINDI**

1. कबीरदास का सचित्र जीवन परिचय लिखें।
  2. उपसर्ग की परिभाषा देते हुए किन्हीं पांच उपसर्ग से नए शब्द बनाएं
  3. क्या आपको लगता है कि दो बैलों की कहानी आजादी की लड़ाई की ओर भी संकेत करती है? तर्क सहित उत्तर दे।
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## **SUBJECT : COMPUTER**

1. Describe a scenario where oral communication is most effective as compared to written.
2. Differentiate between Moral and Ethics.
3. List any 3 major advantages and disadvantages of Audio-Visual Communication.
4. Describe briefly the domains of AI.
5. Describe the significance of AI
6. Describe briefly different stages of AI Project Cycle.
7. Differentiate between Machine Learning and Deep Learning.

## **SUBJECT :Social Science**



### **I. FLASH CARD MAKING:**

**TOPIC:** DEMOCRATIC VS NON DEMOCRATIC GOVERNMENTS

**MATERIALS USED:** COLOUR CHART PAPER

**PAPER SIZE:** 4"/6"

**EXAMPLE:**



**OR**

### **SLOGAN WRITING**

Topic: **DEMOCRACY**

**Materials for use:** Bit of Chart Paper/Card Board (White or Color)

**Size:** 3'/1'

**Example:**



### **2. MINI TOY MAKING;**

**Theme:** Liberty, Equality and Fraternity

**Materials for use:** waste materials like paper, cotton, clothes and clay

Egg shell etc.

**Size:** Miniature Toy (Pen/ Egg size)

**Example:**



**HOW TO SUBMIT:**

(KEEP ALL THE WORKS IN A HAND MADE FILE SHOWN BELOW).



**PRESENTED BY:**

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BPS BOKARO

