



# CAMBRIAN PUBLIC SCHOOL

## Kanke Road, Ranchi

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### *Summer Assignment* (Session 2026-27)

Class : VII

#### **General Instructions:**

1. Complete all the questions neatly in your notebook / A4 size assignment sheet as instructed.
2. Maintain proper handwriting and presentation.
3. Revise the syllabus covered before attempting the assignment.
4. Submit the assignment on the first day after the Summer Vacation.
5. Parents are requested to guide and encourage their ward to complete the work independently.

#### **Japanese**

##### **For Note Copy**

- Write all hiragana ( あ-ん ).
- Write any 15 words in Japanese using hiragana, along with their meanings.
- Write your full name using the hiragana alphabet.

##### **Activity**

- Draw a kimono (Japanese traditional attire) on an A4-size sheet and fill the design using hiragana letters as patterns.

#### **Mathematics**

##### **Financial Literacy Context**

A company has the following figures:

- Revenue: ₹9,75,00,000
- Expenses: ₹6,85,50,000

##### **Questions**

1. Find the profit.
2. Write the profit in words (Indian system).
3. Round the profit to the nearest crore.
4. If the profit increases by ₹25,00,000 next year, estimate the new profit to the nearest crore.

##### **Space & Science Context**

The population of Earth is approximately 7,950,000,000.

## Questions

1. Express this number in the Indian system.
2. Write the number in words (International system).

## Activity

- Make any number using exactly 24 matchsticks.
- What is the biggest number that can be made using 24 matchsticks?
- What is the smallest number that can be made using 24 matchsticks?

## Sudoku

Fill in the puzzle so that every row across, every column down, and every  $3 \times 3$  box contains the numbers 1 to 9.

						7		
3	9		7		8	5	4	
8	6			5	4			
9		6		4	7			
1	3	4	2				9	
	5	8	1		9			4
5	4		9	2	3			8
				7		9		5
					1		3	

## Sanskrit

1. मञ्जूषायाः पदानि चित्वा कथां पूरयत।

मञ्जूषा - ( जलाशयम्, अचिन्तयत्, वृक्षस्य, वस्त्रम्, शिशुः )

### चतुरः काकः

एकस्य 1..... शाखासु अनेके काकाः वसन्ति स्म। तस्य वृक्षस्य कोटरे एकः सर्पः अपि अवसत्। काकानाम् अनुपस्थितौ सर्पः काकानां 2..... खादति स्म। काकाः दुःखिताः आसन्। तेषु एकः वृद्धः काकः उपायम् 3.....। वृक्षस्य समीपे जलाशयः आसीत्। तत्र एका राजकुमारी स्नातुं 4..... आगच्छति स्म। शिलायां स्थितं तस्याः 5..... आदाय एकः काकः वृक्षस्य उपरि अस्थापयत्। राजसेवकाः काकम् अनुसृत्य वृक्षस्य समीपम् अगच्छन्। तत्र ते तं सर्पं च अमारयन्।

## शिक्षा - उपायेन सर्वे सिद्ध्यन्ति।

2. उपयुक्त कथा पर आधारित एक सुन्दर चित्र का निर्माण कीजिए।
3. मञ्जूषायाः साहाय्येन पञ्च वाक्यानि संस्कृतेन लिखत। (मञ्जूषा की सहायता से पाँच वाक्य संस्कृत में लिखिए।)



- उपर्युक्त सभी प्रश्नों के उत्तर संस्कृत कॉपी में लिखिए।

## Computer

### Experiential Learning

1. Prepare a PowerPoint presentation on “Number System” and explain each number system with the help of a suitable example. (Minimum 6 slides — on chart paper, or as a soft copy if possible.)
2. Do all the exercise questions of Chapter 1 and Chapter 3 in your copy.

### Practice the Following (use classwork copy)

1. What do you understand by Freezing Rows and Columns?
2. Discuss pivot tables briefly.
3. Convert  $(115)_{10}$  into binary, octal, and hexadecimal number systems.

## Social Science

### Creative Poster

Make a colourful poster showing:

- Right to Equality
- Right to Freedom
- Right to Education

## **Weather Recording**

Record the weather of your area for five days, noting temperature, rain, sun, and cloudy conditions.

## **Map Work**

On the outline map of India, mark and label the following:

- Mountains (Himalayas)
- Plains (Northern Plains)
- Desert (Thar Desert)
- Plateau (Deccan Plateau)

## **Case-Based Study**

Riya lives in a village in the Himalayan region. It is very cold there. People wear woollen clothes, and houses are made of wood. Farming is difficult due to steep slopes.

Answer the following questions:

1. Which type of landform does Riya live in?
2. Why do people wear woollen clothes there?
3. What problem do people face in farming?
4. Name one adaptation people make to live there.

## **Science**

### **Chapters: Electricity | Metals & Non-Metals**

#### **Instructions**

- *Answer all questions neatly in your notebook.*
- *Read the questions carefully before answering.*
- *Support your answers with examples wherever required.*
- *Academic Task: Competency-Based & Case-Based Questions.*

#### **Q1. Case Study**

A young explorer, Maya, finds a dull grey solid while trekking. She tests it with a simple circuit and notices that it is a poor conductor of electricity. She remembers from her science class that most materials with this property are essential for life. Some of these materials can be found in the air we breathe, and others in fertilizers used for plants.

1. Based on the case study, what class of substance is the grey solid most likely to be?
2. Name one non-metal from the air we breathe that is essential for life.
3. Name one non-metal that is used in the manufacturing of fertilizers.
4. How would you test if this solid is malleable or brittle?

#### **Q2. Critical Thinking**

In a circuit experiment, Riya found that her bulb did not glow when she used a graphite pencil tip (broken from the pencil) as a connector. Is her observation correct? Why?

#### **Q3. Periodic Test Preparation**

Prepare Chapter 2 and Chapter 3 for the upcoming Periodic Test.

### **Activity Task: Creative Assignment**

#### **Video Presentation**

Make a short video (1–2 minutes) explaining any experiment or topic from:

- Metals and Non-Metals, OR
- Basics of Electricity

#### **Guidelines for the Video**

- Keep the explanation simple and clear.
- You may include a demonstration (such as a simple electric circuit).
- Use proper scientific terms and ensure good audio clarity.

#### **Submission Details**

- Submit your written work in your science notebook after the holidays.
- Share your video on the Google Classroom platform.

### **Hindi**



1. “प्यासा कौवा” इस शीर्षक पर 100 से 120 शब्दों में कहानी लिखिए।
2. “मेरी गर्मी की छुट्टियाँ” विषय पर 150-200 शब्दों में अनुच्छेद लिखिए।
3. अपने किसी ऐसे सकारात्मक स्वप्न का वर्णन कीजिए, जो सच हुआ हो।
4. कभी-कभी लोग परेशानी से बचने के लिए झूठ बोलते हैं। क्या आपको लगता है कि छोटा झूठ बोलना सही है? कारण सहित लिखिए।
5. स्कूल में एक प्रोजेक्ट प्रतियोगिता हो रही थी। समूह के कुछ बच्चे मेहनत कर रहे थे, जबकि कुछ बच्चे कोई जिम्मेदारी नहीं निभा रहे थे। इससे समूह में विवाद होने लगा।

प्रश्न :

- i. समूह कार्य में जिम्मेदारी क्यों महत्वपूर्ण है?
- ii. मेहनत करने वाले बच्चों को क्या करना चाहिए?
- iii. टीमवर्क से हमें कौन-कौन से गुण सीखने को मिलते हैं?
- iv. यदि आप उस समूह के नेता होते, तो समस्या कैसे हल करते?

**उपर्युक्त सभी प्रश्नों के उत्तर हिंदी व्याकरण कॉपी में लिखिए।**

## **English**

### **Creative Corner — Art Integrated**

Write a daily diary entry for any 5 days during your vacation. Include:

- Activities you enjoyed
- New things you learnt
- Feelings and experiences
- Add small sketches or photographs.

### **Poster Making**

Design a poster on any one of the following topics:

1. “Save Water”
2. “Beat the Heat”
3. “Summer Safety”
4. “Plant More Trees”

## **Literature**

### **Character Interview**

Choose any literary character from your English textbook and imagine you are interviewing them.

Write:

- 10 interesting questions
- Creative answers from the character’s point of view

**NOTE:** Do all the above-mentioned assignments in your Grammar notebook.