

## WINTER VACATION HOLIDAY HOMEWORK

### MATHS

### CLASS- VI

#### (A) SOLVE:

(1) Simplify:

(i)  $786 - 543 - 897 + 1234$




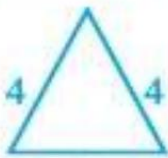
(ii)  $567 + 456 - 5689 - 342$

(2) 500 lemons were packed in 8 boxes. How many lemons can be packed in 20 boxes?

(3) A pack of four cans of coffee costs Rs. 10.90 . How much would 17 cans of coffee cost?

(4)

Match the following

Shapes	Perimeter
(A)  rectangle	(i) 10
(B)  square	(ii) 18
(C)  equilateral triangle	(iii) 20
(D)  isosceles triangle	(iv) 25

## HINDI

शीतकालीन अवकाश गृहकार्य 2023-24 (हिंदी)

कक्षा-6

- ❑ 'मैं सबसे छोटी होऊँ' कविता पर प्रोजेक्ट तैयार करें।
- ❑ प्राचार्य महोदय को फ़ीस माफ़ी के लिए प्रार्थना-पत्र लिखिए।
- ❑ वन के महत्व पर अनुच्छेद लिखिए।
- ❑ कोई पांच उपसर्ग व प्रत्यय से दो-दो शब्दों का निर्माण कीजिए।

## ENGLISH

1) Paragraph Writing

Topic- How did I celebrate Christmas

2) My 10 Resolution for 2024

3) Drawing / Picture / Poster based on lessons or any grammar topic.

## SOCIAL SCIENCE

1. Revise and learn following chapters and their exercises:

Urban Administration

Rural Livelihood

Maps

Major Domains of the Earth

Traders, Kings and Pilgrims

2. Prepare a file of about ten pages on the topic

Our country India

Use images, articles, drawings, maps, slogans etc. to present your work.

3. Make a collage on freedom fighters of India. Use images, slogans and articles to decorate it.

## SCIENCE

1. Write a summary on what you have learned from Chapter 13: Fun With Magnets.
2. Revise chapter 10,11,12,13 & 15 for upcoming P.T-2.

## LIBRARY

### 1. Winter Journaling:

- Keep a daily journal throughout the winter break.
- Write about your activities, thoughts, and reflections on the season.
- Include any interesting observations or experiences you have during the break.

### 2. Winter Photography Project:

- Explore your surroundings and capture the beauty of winter through photographs.
- Create a photo journal or collage that showcases your favorite winter scenes.
- Write captions or short descriptions for each photo.

### 3. Winter Book Adaptation:

- Select a book you enjoyed reading recently.
- Create a visual or multimedia adaptation of a scene or chapter from the book.
- This could include drawings, a short film, or a storyboard.

### 4. Winter Fitness Challenge:

- Design a winter-themed fitness routine that can be done at home.
- Create a workout plan with different exercises inspired by winter activities.
- Document your progress and how the exercises make you feel.

# **Holiday Homework (Winter)**

## **Class- 7**

### **Hindi**

- 'एक तिन्का' कविता पर प्रोजेक्ट तैयार करें।
- प्राचार्य महोदय को फ़ीस माफ़ी के लिए प्रार्थना-पत्र लिखिए।
- समय के महत्व पर अनुच्छेद लिखिए।
- कोई पांच उपसर्ग व प्रत्यय से दो-दो शब्दों का निर्माण कीजिए।

### **ENGLISH**

1) Paragraph Writing

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2) My 10 Resolution for 2024

3) Drawing / Picture / Poster based on lessons or any grammar topic.

### **Social Science**

1- Revise and learn following chapters and their exercises:

Tribes, Nomads and Settled Communities

Devotional Paths to the Divine

Understanding Media

Markets around Us

The Tropical and Subtropical Regions

1- Prepare a file of about ten pages on the topic Our Earth

Use images, articles, drawings, maps, slogans etc. to present your work.

2- Make a collage on freedom fighters of India. Use images, slogans and articles to decorate it

### **Maths**

## **Class – VII SUB: Maths**

**1. Revise Chapter 1 to 14.**

**2. Do the following activities:**

- (a) Explain SAS criterion for triangle using paper activity.**
- (b) Verify that in isosceles triangle angles opposite to equal sides are equal by an activity.**
- (c) Show multiplication of integers using unit squares of different color.**
- (d) Show division of natural number by a fraction using paper activity.**
- (e) Verify exterior angle property of triangle by an activity.**
- (f) Draw altitudes of triangle by paper folding.**
- (h) Verify that when two lines intersect then vertically opposite angles are equal by an activity.**
- (i) Collect weight of 10 of your friends. Represent the data in bar graph. Also find the mean weight.**
- (j) Verify that sum of three angles of triangle is 180 degrees by paper activity.**
- (k) Make a square by paper folding.**

### **Library**

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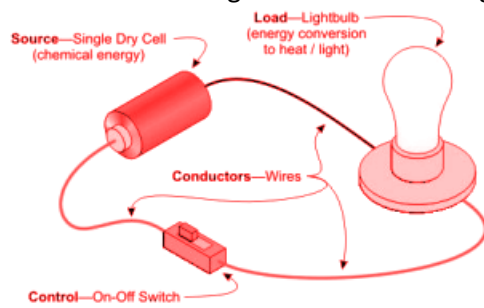
**4. Winter Fitness Challenge:**

- Design a winter-themed fitness routine that can be done at home.
- Create a workout plan with different exercises inspired by winter activities.

- Document your progress and how the exercises make you feel.

## SCIENCE

1. Draw a colourful labelled diagram of a bisexual flower on a chart paper and label the different reproductive and nonreproductive parts of the flower.
2. Draw the circuit diagram for the following circuit.



KENDRIYA VIDYALAYA CHAMPHAI  
WINTER VACATIONS: HOLIDAY HOMEWORK  
CLASS 8th

## Hindi:

- ‘पानी की कहानी’ पाठ पर प्रोजेक्ट तैयार करें।
- प्राचार्य महोदय को फ़ीस माफ़ी के लिए प्रार्थना-पत्र लिखिए।
- विज्ञान के लाभ और हानि विषय पर अनुच्छेद लिखिए।
- कोई दस उपसर्ग व प्रत्यय से दो-दो शब्दों का निर्माण कीजिए।

## English:

- 1) Paragraph Writing

Topic- How did I celebrate Christmas

- 2) My 10 Resolution for 2024
- 3) Drawing / Picture / Poster based on lessons or any grammar topic

## Maths:

Do the following activities:

- (a) Verify that sum of four angles of quadrilateral is 360 degrees.
- (b) Verify algebraic identity:  $(a+b)^2 = a^2 + 2ab + b^2$
- (c) Form a cube and find formula for its surface area.
- (d) Obtain formula of curved surface area for right circular cylinder.
- (e) Verify that adjacent angles of parallelogram are supplementary.
- (f) Make a rhombus by paper cutting and folding.
- (g) Verify Pythagoras Theorem for any right triangle.
- (h) Take a page of English text book having more than 50 words. Collect data about number of times vowels ( a, e, i, o, u) came in that page. Represent the data in a bar graph.

# Science:

1. Revise the following chapters for the P. T-2

SOUND

CHEMICAL EFFECTS OF ELECTRIC CURRENT

SOME NATURAL PHENOMENA

2. Practise all the exercises from the following chapters.

3. Explain the process of ELECTROPLATING with the help of a suitable diagram.

# Social Science:

1- Revise and learn following chapters and their exercises:

Women, Caste and Reforms

The Making of National Movement

Understanding Marginalisation

Confronting Marginalisation

Industries

2- Prepare a file of about ten pages on the topic

The national movement in India

Use images, articles, drawings, maps, slogans etc. to present your work.

# Library:

## FOR CLASSES (6 to 10):

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## WINTER VACATION HOMEWORK

### CLASS- IX

#### MATHS:

Q.1. Write four non-terminating recurring rational numbers.

Q.2. Factorise the followings

(i)  $x^2+5x+6$       (ii)  $x^2+2x-15$

Q.3. Expand the followings using suitable identity

(i)  $(x+3z)^2$       (ii)  $(4-7x)^2$       (iii)  $(3x+2y)^3$

Q.4. Verify:  $(x+y)(x^2+xy+y^2) = (x+y)^3$

Q.5. Express 0.3 in the form of  $p/q$ .

Q.6. Visualize the representation of  $4.1\overline{587}$  on number line.

Q.7. Rationalize the denominator of  $7/(3+$

Q.8. Find  $p(0)$ ,  $p(1)$ ,  $p(2)$  for  $p(x) = x^3+2x^2-5x+7$ .

Q.9. Write five rational numbers between  $4/3$  and  $7/2$ .

Q.10. The value of  $k$ , if  $x = 1$ ,  $y = 2$  is a solution of the equation  $2x + 3y = k$ .

Q.11. Draw the graph for the given equation:  $2x + y = 12$ .

#### SOCIAL SCIENCE:

1- Revise and learn all the chapters and their exercise completed till now.

Pastoralists in the modern world

Natural vegetation and wildlife

Poverty as a challenge

Working of Institutions

Democratic Rights

2- Prepare 20 objective (1 mark) questions each the same five chapters mentioned above:

3- Draw and Label map of India on following themes:

Major natural and man-made lakes of India

High and low rainfall areas

Natural vegetation

Population density

**SCIENCE:**

1. Draw the Atomic structure of the following elements on a chart paper mentioning their symbol, atomic number, electron distribution and valency:
  - a) Sodium
  - b) Chlorine
  - c) Silicon
  - d) Fluorine
  - e) Nitrogen
2. Write down the formulae of
  - a) Aluminium Chloride
  - b) Magnesium Hydroxide
  - c) Potassium Nitrate
  - d) Calcium Carbonate
3. If 1 mole of Carbon atoms weighs 12 grams, what is the mass (in grams) of 1 atom of carbon?
4. Why is the weight of an object on the moon  $\frac{1}{6}$ th its weight on the earth?
5. Write some differences between Potential and Kinetic energy.

**HINDI:**

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- ☐ प्राचार्य महोदय को फ़ीस माफ़ी के लिए प्रार्थना-पत्र लिखिए।
- ☐ छोटे भाई/बहन को जन्मदिन पर बधाई-पत्र लिखिए।
- ☐ समास और अलंकार के 5-5 उदाहरण लिखिए।

**ENGLISH:**

- 1) Find 10 sentences of each of the followings.
  - a) Present tense- simple, continuous, perfect, perfect continuous
  - b) Past Tense- simple, continuous, perfect, perfect continuous
  - c) Future Tense- simple, continuous, perfect, perfect continuous

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**ARTS:**

- Republic day greeting card