

**KENDRIYA VIDYALAYA BANKA**

**WINTER BREAK HOLIDAY HOMEWORK 2023-24**

**CLASS-I**

**HINDI**

1. अ से झ तक लिखो ।
2. 'मेला' कविता लिखें तथा याद करें।
3. दस तुकान्त शब्द लिखें तथा याद करें।
4. बत्तख का चित्र बनाए और रंग भरें।
5. 'कमल' का चित्र बनाए और रंग भरें।

**ENGLISH**

1. Write three words from each alphabet (A to Z).
2. Write 20 new words and learn them.
3. Prepare a chart paper on your favourite poem.
4. Write and learn the names of 10 fruits and 10 vegetables.
5. Revise all work done in your English notebook.

**MATHEMATICS**

1. Learn and write the multiplication table from 2 to 10.
2. Learn and write number name from 1 to 50.
3. Write reverse counting from 100 to 1.
4. Draw your own 05 patterns with colours, alphabets and numbers.

**EVS**

1. Revise all the work done in the classroom.
2. Write the names of some animals and their shelter.
3. Draw a Christmas tree and decorate it.
4. Draw a picture of a house.
5. Write down the names of your family members.

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## KENDRIYA VIDYALAYA BANKA

### WINTER BREAK HOLIDAY HOMEWORK 2023-24

#### CLASS-II

#### HINDI

1. "उठो-उठो" कविता सुंदर लिखावट में लिखें तथा याद करें।
2. अकेले खेले जाने वाले, दो के जोड़े में खेले जाने वाले, तथा समूह में खेले जाने वाले खेलों के नाम तथा खिलाड़ियों की संख्या लिखो।
3. आठ खेलों के नाम तथा उनमें प्रयोग होने वाली आवश्यक वस्तुओं के नाम लिखें।
4. पाँच पेज़ सुलेख लिखें।
5. एक सुंदर टोपी का मॉडल बनाएं।
6. चार्ट पेपर पर क्रिसमस ट्री का मॉडल बना कर उसे सजाएं।

#### ENGLISH

1. Prepare a kite with the help of paper and sticks.
2. Prepare a chart on your favourite poem.
3. Read unit:- 4 "lift around us" and write at least 30 new words.
4. Revise all work done in your notebook.
5. Write all questions and answers written on page number-65 in your English notebook.

#### MATHEMATICS

1. Solve the questions written on page number - 21, 57, 60, 68,73, 86 and 108 in the notebook.
2. Learn and write multiplication table from 2 to 20.
3. Write numbers in words from 1 to 100.
4. solve any ten two digit borrowing Subtraction.
5. Take a cardboard sheet and try to make an object with six faces.

#### EVS

1. Make cardboard models of the different means of communication. e.g. postbox, telephone, computer, etc.
2. Draw a picture of a plant and name its parts.
3. Draw a picture of the sun, moon, and stars. Write at least two sentences about them.
4. Write five festival names and paste their pictures.
5. Write down the names of your favourite fruits and also draw their picture.

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**KENDRIYA VIDYALAYA BANKA**  
**WINTER BREAK HOLIDAY HOMEWORK 2023-24**

**CLASS-III**

**HINDI**

1. औ, ऐ, अं और अः की मात्रा वाले 5 - 5 शब्द लिखिए ।
2. बड़े-बड़े पत्तों वाले किन्हीं तीन वृक्षों के नाम लिखिए और चित्र भी बनाइए ।
3. पाठ 8 से 12 तक पढ़ें व कठिन शब्दों का अभ्यास करें ।
4. कोई भी एक कहानी या कविता (स्वयं रचित ) लिखो और उससे संबंधित चित्र भी चिपकाओ या बनाओ ।
5. आपने नव वर्ष कैसे मनाया और नव वर्ष में क्या संकल्प लिया अपने विचार लिखें ।

**ENGLISH**

1. Write a paragraph about saving the tiger and also paste pictures related to it on the chart paper.
2. Write one page handwriting and five new words with their meanings in vacation homework copy daily.
3. Find any one story related to animals and write it in your copy.
4. Draw any five pictures using a leaver and paste them on chart paper.
5. Make a model of a Christmas tree.

**MATHEMATICS**

1. Write counting numbers in figures and words from 101 to 200.
2. Revise and solve all questions of Exercise - 9.
3. Make your own 10 colourful patterns.
4. Draw a calendar for the year 2024 on chart paper.

**EVS**

1. 1. Write the sources of the following food items:  
2. Wheat, Milk, Ginger, Spinach, Honey, Rice, Egg, Meat, Mango.
3. 2. Write the names of five indoor and five outdoor games. Also, draw the pictures.
4. 3. Show the journey of a letter through pictures.
5. 4. Write the similarities and differences between a letter and a phone call.
6. 5. Model: Make a bouquet or a piggy bank.

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# KENDRIYA VIDYALAYA BANKA

## WINTER BREAK HOLIDAY HOMEWORK 2023-24

### CLASS-IV

#### HINDI

1. सुनीता की पहिया कुर्सी कहानी **संक्षेप में** अपनी कॉपी में लिखें एवं चित्र बनाएं।
2. सुनीता जैसे बच्चों के लिए आप क्या करेंगे जिससे उनकी जिंदगी आसान हो सके।
3. प्रतिदिन समाचार पत्र पढ़ें और दो राष्ट्रीय और अंतर्राष्ट्रीय समाचार लिखें।
4. आपने नव वर्ष कैसे मनाया और नव वर्ष में क्या संकल्प लिया - अपने विचारों को लिखें।
5. किन्हीं दो स्वतंत्रता सेनानियों के बारे में चार्ट पेपर पर चित्र के साथ लिखें।

#### ENGLISH

1. Write five-page handwriting.
2. Revise chapters 11 to 15 and learn all the questions and answers of all these chapters.
3. Write and learn five new words with their meanings daily.
4. Prepare a chart paper on your favourite poem with pictures.

#### MATHEMATICS

1. Paste/draw 5 things which you buy in grams/kilograms. Write their weights.

2. Learn and write multiplication tables 2 to 20.

3. Find the product of the following:

i)  $74 \times 3$       ii)  $700 \times 20$     iii)  $56 \times 80$     IV)  $260 \times 72$     v)  $893 \times 22$

4. Word problems-

(1) There are 700 bricks in a truck. Sara found the weight of a brick to be 3kg. What will be the weight of all the bricks?

2) One box can hold six biscuits. Prabha wants to pack 216 biscuits. How many boxes does she need to pack all of them?

5) Practice and revise the chapter for PT2.

6) Prepare a model of a balance (Taraju).

#### EVS

1. Draw pictures of any ten birds found nearby your home.
2. Paste/Draw the pictures of different types of animals that live on the ground, under water, and on trees.
3. Visit nearby market and find the price of any ten fruits or vegetables.
4. Write the name of any five Indian rivers, their length, and their origin.
5. Make a poster on different steps of farming.

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## KENDRIYA VIDYALAYA BANKA

### WINTER BREAK HOLIDAY HOMEWORK 2023-24

#### CLASS-V

#### HINDI

1. पढाए गए पाठ की पुनरावृत्ति करें।
2. निम्न मुहावरों का वाक्य में प्रयोग करें (1) आँख दिखाना (2) आँख बचाना
3. निम्न प्रश्नों के उत्तर दें:-
  - क. दादी अपने बक्से में इलायची लॉग और सुपारी क्यों रखती होगी?
  - ख. घायल तीतर को बचाने के लिए बिशन को किस तरह की परेशानियां हुईं?
  - ग. बाघ आया उस रात कविता में उस रात कौन सी अनूठी बात हुई थी?
  - घ. बिशन घायल तीतर को क्यों बचाना चाहता था?
4. विशेषण की परिभाषा उदाहरण सहित लिखें।
5. छोटी सी हमारी नदी कविता को चार्ट पेपर पर लिख कर चित्र बनाओं।

#### ENGLISH

1. Write one page handwriting and five new words with meaning in your copy daily.
2. Write about your best friend and draw your picture with your best friend.
3. Make a chart paper on parts of speech whose roll number is odd and on tenses whose roll number is even.
4. Write a letter to your friend describing how you celebrated your new year 2024.
5. Write a paragraph on the topic "bullying is a bad habit."

#### MATHEMATICS

1. Draw the map of India and mark all its states and union territories.
2. Draw a floor map and a deep drawing of your house.
3. Measure the length and width of all available Indian currency denominations.
4. Solve any ten-word problems from exercise 8 to 11.
5. Write and remember the multiplication table of 21 to 30.

#### EVS

1. What do you know about "Gender Bais"? Write minimum 10 lines in your notebook.
2. Which things would you feel cool and which one warm after blowing on them? Make a list.
3. Collect the pictures of women achievers and write a few lines about them.
4. Collect some information about Dr. Baba Saheb Bhim Rao Ambedkar. Write in your notebook and also paste his photo.
5. Write the names of two tourist places of India in different Direction like North -  
Manali etc.  
North    East    West    South

1. \_\_\_\_\_ 1. \_\_\_\_\_ 1. \_\_\_\_\_ 1. \_\_\_\_\_

2. \_\_\_\_\_ 2. \_\_\_\_\_ 2. \_\_\_\_\_ 2. \_\_\_\_\_

6. Read and learn L-12 to 17 for the PT2.

## KENDRIYA VIDYALAYA BANKA

### WINTER BREAK HOLIDAY HOMEWORK 2023

#### CLASS- VI

#### HINDI-

- प्रश्न 1. झांसी की रानी लक्ष्मीबाई की वीरता की कहानी अपने शब्दों में लिखिए। (120 शब्द में)
- प्रश्न 2. क्या लोकगीत और नृत्य सिर्फ गांव या कबीलों में ही गए जाते हैं? शहरों के कौन से लोकगीत हो सकते हैं विचार करके लिखिए।
- प्रश्न 3. बाल रामायण के आधार पर राम के चरित्र की आठ विशेषताएं लिखिए।
- प्रश्न 4. निम्नलिखित में से किन्हीं एक विषय पर अनुच्छेद लिखिए। (200 शब्दों में)
1. मेरे विद्यालय का पुस्तकालय
  2. शीतकालीन अवकाश
- प्रश्न 5. परीक्षा परिणाम बताते हुए पुत्र का माता जी को पत्र लिखें
- प्रश्न 6. निम्नलिखित शब्दों का दो दो पर्यायवाची शब्द लिखें।
- चिड़िया, धरती, घर, आसमान, जल, रोशनी, रास्ता।
- प्रश्न 7. नव वर्ष पर एक कार्ड बनाएं।

#### ENGLISH-

1. Revise taught lessons.
  2. Read everyday any English newspapers and write down difficult words
  3. Write two stories, two notices, two paragraphs, and formal letters.
- Note: you have to do your holidays homework in the same English notebook. Help your parents in house chores. Happy and safe holidays

#### SANSKRIT-

- ❖ पाठ 9, 10 पाठ का संपूर्ण प्रश्न अभ्यास लिखना एवं याद करना है ।
- ❖ "बालक" एवं "बालिका" शब्द रूप लिखना एवं याद करना है ।
- ❖ "पठ्" धातु लट, लङ् एवम् लृट् तीनों लकार में लिखना तथा याद करना है ।
- ❖ नोट- चेतना सत्र में होने वाली सभी गतिविधियों को सभी कक्षा के छात्र अच्छी तरह से लिखकर कंठस्थ याद करेंगे ।

#### MATHS-

1. Find the perimeter of each of the following shapes:
  - (a) A triangle of sides 12 cm, 5 cm and 13 cm.
  - (b) An equilateral triangle of side 8 cm.
  - (c) An isosceles triangle with equal sides 4 cm each and third side 3 cm.
  - (d) An square of side 10 cm
2. Find the perimeter of a rectangle whose length and breadth are 150 cm and 1 m respectively.
3. Sachin takes 10 rounds of a rectangular park, 50 m long and 20 m wide. Find the total distance covered by him.
4. Find the distance travelled by Naina if she takes three rounds of a square park of side 60 m.
5. Find the perimeter of a regular pentagon with each side measuring 6 cm

## SCIENCE-

1. **Answer the following questions.**
  - (a) what is motion? Write the types of motion.
  - (b) The height of a person is 1.65m. Express it in cm and mm.
  - (c) What is light?
  - (d) What is reflection?
  - (e) How can shadows forms?
2. **Define the following.**
  - (a) luminous object
  - (b) Electricity
  - (c) Conductor
  - (d) Periodic motion
  - (e) Switch
3. **Draw a diagram of inside view of a torch.**
4. **Completed your notebook upto the chapter :- “ Fun with magnet “.**

## SOCIAL SCI.-

1. Mention three authors who wrote about Harshavardhana.
2. What changes do you find in the army of this time?
3. Why did kings want to control the Silk Route?
4. What were the main features of Bhakti?
5. Discuss the reasons why the Chinese pilgrims came to India?
6. Describe the functions of Gramabhojaka. Why do you think he was powerful?
7. What were the problems that Ashoka wanted to solve by introducing Dhamma?
8. What were the means adopted by Ashoka to spread the message of Dhamma?
9. Why did the children go to Yasmin Khala's house?
10. What did Gangabai do and why?
11. What is the work of the police?
12. How do the woman benefit under the new law?
13. What is the difference between a Gram Sabha and a Gram Panchayat?
14. What are the four major domains of the earth?
15. Why is the earth called the blue planet?

### **Sub:-Work Experience**

#### **Do any one or two of these:-**

- (1) Innovative & useful projects from waste materials.
- (2) Making of a conductor testing circuit.
- (3) Making of any simple electrical Project which may consist switch, cell, resistor, & 03 LEDs.

**KENDRIYA VIDYALAYA BANKA**  
**WINTER BREAK HOLIDAY HOMEWORK 2023**  
**CLASS- VII**

**HINDI-**

- प्रश्न 1. खानपान की बदलती तस्वीर निबंध से क्या-क्या सीख मिली? 150 शब्दों में लिखो।
- प्रश्न 2. भोर और बरखा पाठ से और नीलकंठ पाठ से भाषा की बात (व्याकरण भाग) को बनाएंगे और सीखेंगे।
- प्रश्न 3. सर्वनाम के भेदों को दो-दो उदाहरण के साथ लिखें।
- प्रश्न 4. निम्नलिखित में से किन्हीं एक पर निबंध लिखो। (200 शब्दों में)
1. प्रदूषण की समस्या
  2. समय का महत्व
  3. टेलीविजन
- प्रश्न 5. सब्जी वाला और ग्राहक के बीच संवाद लिखिए। (120 शब्दों में)
- प्रश्न 6. निम्नलिखित शब्दों का विपरीतार्थक शब्द लिखें।
- वर, अनुराग, गणतंत्र, आदि, अच्छा, उषा, एक, कठिन, गुण, चेतन, जीत, ठोस ताप, दयालु।

**ENGLISH-**

1. Revise taught lessons.
  2. Read everyday any English newspapers and write down difficult words
  3. Write two stories, two notices, two paragraphs, and formal letters.
- Note: you have to do your holidays homework in the same English notebook. Help your parents in house chores. Happy and safe holidays

**SANSKRIT-**

- ❖ पाठ 10, 11 एवं 12 तीनों का संपूर्ण प्रश्न अभ्यास लिखना एवं याद करना है ।
- ❖ "लता" एवं "नदी" शब्द रूप लिखना एवं याद करना है ।
- ❖ "चर" धातु लट, लंग, लृट, लोट, विधिलिङ लकार में लिखना तथा याद करना है ।
- ❖ नोट- चेतना सत्र में होने वाली सभी गतिविधियों को सभी कक्षा के छात्र अच्छी तरह से लिखकर कंठस्थ याद करेंगे ।

**MATHS-**

- 1 . Rewrite the rational numbers in the simplest form:  
 $-8/6$
- 2 . The length and breadth of a rectangular piece of land are 500 m and 300 m, respectively.  
Find Its area
- 3 . If  $m = 2$ , find the value of:  
 $m - 2$
- 4 . Find the value of:  
 $2^6$
- 5 . Fill in the boxes with the correct symbol out of  $>$ ,  $<$ , and  $=$ .  
(i)  $-5/7$  [ ]  $2/3$   
(ii)  $-4/5$  [ ]  $-5/7$
- 6 . Find the area of a square park whose perimeter is 320m.
- 7 . Add:  
 $3mn, - 5mn, 8mn, - 4mn$
- 8 . Express number using the exponential notation:  
512



9 . Give three rational numbers equivalent to:

$$-2/7$$

10 . The perimeter of a rectangular sheet is 100 cm. If the length is 35 cm, find its breadth.

11 . From the sum of  $3x - y + 11$  and  $-y - 11$ , subtract  $3x - y - 11$ .

12 . Using laws of exponents, simplify and write the answer in exponential form:

$$3^2 \times 3^4 \times 3^8$$

13 . Four rational numbers between:

$$\frac{1}{2} \text{ and } \frac{2}{3}$$

14 . If the circumference of a circular sheet is 154 m, find its radius. Also, find the area of the sheet. (Take  $\pi = 22/7$ )

15 . Identify like terms in the following.

(a)  $-xy^2, -4yx^2, 8x^2, 2xy^2, 7y, -11x^2, -100x, -11yx, 20x^2y, -6x^2, y, 2xy, 3x$

16 . Simplify  $(3^5 \times 10^5 \times 25) / (5^7 \times 6^5)$

## SCIENCE-

1. Answer the following questions.

- (a) Define the term electromagnetic?
- (b) List the similarities and differences between aerobic and anaerobic respiration.
- (c) Explain why is transport of material necessary in a plant or in an animal.
- (d) Sketch the reproductive parts of a flower and explain it.
- (e) What is motion? How many types of it?
- (f) List any two effect of electric current?

2. Completed your notebook upto the chapter :- " light".

## SOCIAL SCI.-

- 1. What were the major ideas expressed by Kabir? How did he express these?
- 2. What were the major teachings of Baba Guru Nanak?
- 3. How was the administration of the Ahom state organised?
- 4. Were the Banjaras important for the economy?
- 5. In which Continent is the Sahara Desert located?
- 6. People of the Sahara Desert wear heavy robes? Give Reason.
- 7. Name the Continent in which the Amazon Basin is located?
- 8. Where is the One – Horned Rhinoceros found?
- 9. The Rainforests are Depleting. Give Reason.
- 10. In What ways is a Hawker Different From a Shop Owner?
- 11. "Buying and Selling Can Take Place Without Going To a Marketplace". Explain This Statement with The Help of Examples.
- 12. In What Ways Does The Media Play An Important Role in A Democracy?

## WORK EXPERIENCE

Do any one or two of these:-

- (1) Write down brief notes about Atal Tinkering Lab .
- (2) Making of a Quiz game project.
- (3) Preparation of a water level indicator circuit
- (4) Any other useful waste materials used Project

# KENDRIYA VIDYALAYA BANKA

## WINTER BREAK HOLIDAY HOMEWORK 2023

### CLASS- VIII

#### HINDI-

- प्रश्न 1. सूर्यकांत त्रिपाठी निराला का जीवन परिचय लिखते हुए उनकी कोई दो प्रसिद्ध कविताएं लिखिए।
- प्रश्न 2. पाठ बस की यात्रा में एक ऐसी बस का वर्णन है जो बहुत ही पुरानी और टूटी-फूटी है कल्पना कीजिए कि यदि वह बस जीवित प्राणी होती बोल सकती तो वह अपनी बुरी हालत और भारी बोझ के कष्ट को किन शब्दों में व्यक्त करती? लिखिए
- प्रश्न 3. विशेषण तथा विशेषण के प्रकारों को दो दो उदाहरण सहित लिखें।
- प्रश्न 4. नव वर्ष पर एक सुंदर कार्ड बनाइए।
- प्रश्न 5. निम्नलिखित में से किन्हीं एक विषय पर अनुच्छेद लिखें।
1. जीवन में मां का महत्व
  2. पेड़ पौधे हमारे सच्चे मित्र
- प्रश्न 6. डॉक्टर और मरीज के बीच संवाद लिखिए 120 शब्दों में।

#### ENGLISH-

1. Revise taught lessons.
  2. Read everyday any English newspapers and write down difficult words
  3. Write two stories, two notices, two paragraphs, and formal letters.
- Note: you have to do your holidays homework in the same English notebook. Help your parents in house chores. Happy and safe holidays

#### SANSKRIT-

- ❖ पाठ 10, 11 एवं 12 तीनों का संपूर्ण प्रश्न अभ्यास लिखना एवं याद करना है ।
- ❖ "अस्मद" एवं "युस्मद" शब्द रूप लिखना एवं याद करना है ।
- ❖ "खाद" धातु लट, लंग, लोट, विधिलिङ्ग, लृट लकार में लिखना तथा याद करना है ।
- ❖ संख्या 51 से लेकर 100 तक की संख्याओं को संस्कृत में लिखना एवं याद करना है ।

नोट- चेतना सत्र में होने वाली सभी गतिविधियों को सभी कक्षा के छात्र अच्छी तरह से लिखकर कंठस्थ याद करेंगे ।

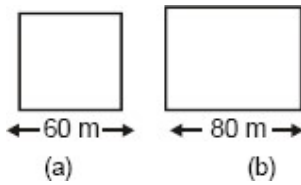
#### MATHS-

1. Use a suitable identity to get each of the following products:
  - (i)  $(x + 3)(x + 3)$
  - (ii)  $(2y + 5)(2y + 5)$
  - (iii)  $(2a - 7)(2a - 7)$
  - (iv)  $(3a - 12)(3a - 12)$
  - (v)  $(1.1m - 0.4)(1.1m + 0.4)$
  - (vi)  $(a^2 + b^2)(-a^2 + b^2)$
2. Using identities, evaluate:
  - (i)  $71^2$
  - (ii)  $99^2$
  - (iii)  $102^2$

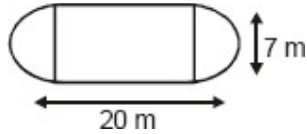
(iv)  $998^2$

(v)  $5.2^2$

3. A square and a rectangular field with measurements as given in the following figure have the same perimeter. Which field has a larger area?



4. The shape of a garden is rectangular in the middle and semi circular at the ends as shown in the diagram. Find the area and the perimeter of this garden [Length of rectangle is 20 m (3.5 + 3.5) metres].



The shape of the top surface of a table is trapezium. Find its area if its parallel sides are 1 m and 1.2 m and perpendicular distance between them is

## SCIENCE-

### 1. Answer the following questions.

- (a) Explain the importance of reproduction in organisms.
- (b) What are secondary sexual characters?
- (c) What is menstruation? Explain.
- (d) Explain why sportsmen use shoes with spikes.
- (e) Write the five useful and harmful roles of microorganisms in our life?

2. Complete your notebook up to the chapter "Some natural phenomena" and learn chapters :- 10, 13, 14 and 15.

### 3. Project work.

Draw a diagram of :-

- (a) Human ear or,
- (b) Human Endocrine system.

## SOCIAL SCI.-

- 1. Why did Mahatma Gandhi want to teach children handicrafts?
- 2. Why did Mahatma Gandhi think that English education had enslaved Indians?
- 3. What were the different reasons people had for not sending girls to school?
- 4. What did Ambedkar want to achieve through the temple entry movement?
- 5. What is Article 21?
- 6. Why do you think the constitution's safeguards to protect minority communities are very important?
- 7. What do you understand by the term minority?

8. What are the provisions of the schedule caste and schedule tribe (prevention of atrocities) Act, 1989?
9. Why cotton textile industry rapidly expanded in Mumbai?
10. Silicon Valley is located in \_\_\_\_\_
11. What is article 17?

## **Subject – Work Experience**

### **Do any one or two of these:-**

- (a) Making of project using LDR, DC Motor, cell with Bread board
- (b) Preparation of an electromagnet circuit. or earthquake alarm circuit
- (c) Any art & craft decorative item or useful model.
- (d) Web App Tinkercad based Project

**KENDRIYA VIDYALAYA BANKA**  
**WINTER BREAK HOLIDAY HOMEWORK 2023**  
**CLASS- IX**

**HINDI-**

प्रश्न 1. दो बैलों की कथा कहानी से कौन-कौन सी शिक्षाएं मिलती हैं?(150 शब्दों में लिखो)

प्रश्न 2. निम्नलिखित अलंकारों को उदाहरण सहित समझाकर लिखिए।

रूपक, उपमा, श्लेष, यमक

प्रश्न 3. निम्नलिखित शब्दों का विग्रह कर समास लिखिए।

यथासंभव, दशानन, चौराहा, प्रतिवर्ष, हथकड़ी, राजमहल, महात्मा, नवयुवक, अन्य जल, त्रिलोकी।

प्रश्न 4. राजनेता और पत्रकार के मध्य संवाद लिखिए। (150 शब्दों में)

प्रश्न 5. किसी एक विषय पर निबंध लिखें।

स्वस्थ बच्चे स्वस्थ भारत

जल ही जीवन है

सर्व शिक्षा अभियान

प्रश्न 6. अपनी देखी -सुनी किसी आपदा का सचित्र वर्णन करें।

**ENGLISH-**

1. Revise taught lessons.

2. Read everyday any English newspapers and write down difficult words

3. Complete given projects.

Subject: English

Note: you have to do your holidays homework in the same English notebook. Help your parents in house chores. Happy and safe holidays

**MATHS-**

1. What is the longest pole that can be put in a room of dimensions  $l = 10$  cm,  $b = 10$  cm and  $h = 5$  cm?

(1 mark)

2. If the total surface area of a sphere is  $154$  cm<sup>2</sup>. Find its total volume.

(2 mark)

3. If the radius of a sphere is  $3r$  then what is its volume?

(1 mark)

4. If the total surface area of a cube is  $216$  cm<sup>2</sup>, then find its volume.

(2 mark)

5. If the circumference of the base of a right circular cylinder is  $110$  cm, then find its base area.

(3 mark)

6. If the radius of a sphere is doubled, then find the ratio of their volumes.

(2 mark)

7. The radius of a cylinder is  $7$  cm. If its volume is  $2002$  cm<sup>3</sup>, then find its height and total surface area.

(3 mark)

8. The diameter of a road roller,  $120$  cm long is  $84$  cm. If it takes  $500$  complete revolutions to level a playground, find the cost of levelling it at Rs.  $2$  per square metre.

(3 mark)

9. A conical tent of radius  $7$  m and height  $24$  m is to be made. Find the cost of the  $5$  m wide cloth required at the rate of Rs.  $50$  per metre.

(3 mark)

10. How many lead balls, each of radius 1 cm, can be made from a sphere of radius 8 cm?

## SCIENCE-

1. Answer the following questions

- (a) Write the three laws of motion.
- (b) What is work? How can we measure it?
- (c) Compare between the use of manure and fertilizer in maintaining soil fertility?
- (d) Distinguish between loudness and Intensity of sound?
- (e) What is sound and how it propagate?

2. Improvement in food resources ? (project work)

3. Numericals

- (a) An object is thrown vertically upward and rises to a height of 25 m calculate the time taken by the object to reach the earth back.
- (b) Calculate the force of gravitation between the Earth and the Sun.

## SOCIAL SCI.-

- 1. Discuss why Nazism became popular in Germany by 1930s?
- 2. What are the peculiar features of Nazi thinking?
- 3. What were the social, economic and political conditions in Russia before 1905?
- 4. Why did the Tsarist autocracy collapse in 1917?
- 5. Why does Brahmaputra in the Tibetan part have less silt, despite a longer course?
- 6. Discuss the significant differences between the Himalayan and the Peninsular rivers?
- 7. Compare the east flowing and the west flowing rivers of the Peninsular plateau.
- 8. Why are the rivers important for the country's economy?
- 9. What are the controls affecting the climate of India?
- 10. Why the Tamil Nadu coast receive winter rainfall?
- 11. Discuss the mechanism of monsoons.
- 12. What are the Powers of the President of India?

Subject :- Work Experience

### Making of any one or two of these:-

- (1) An extension board consisting 03 sockets with their switches, 01 indicator & one fuse.
- (2) Tunnel wiring project.
- (3) 2-way switch & toggle switch based project.
- (4) Any Arduino based project.
- (5) 5V regulator circuit