# केन्द्रीय विद्यालय कमान अस्पताल अलीपुर, कोलकाता

## ग्रीष्मावकाश गृहकार्य (विषय- हिन्दी एवं संस्कृत)

### ग्रीष्मावकाश गृहकार्य (सत्र 2021-22) कक्षा-VI Subject-HINDI

1."वह चिड़िया जो" कविता अपनी हिन्दी उत्तर पुस्तिका में लिखें । चित्र भी बनाएँ।

2.बचपन की किसी घटना का वर्णन अपने शब्दों में करें।

3.अपने प्रिय मित्र को पत्र लिखकर कोरोना- काल मे किए जाने वाले व्यवहार के बारे में बताएँ।

4.प्रकृति से जुड़े 8 शब्दों को संकलित करके उनके पर्यायवाची शब्द लिखें।

5.अपने शरीर के अंगों से जुड़े मुहावरों का संकलन करें और वाक्य बनाएँ।

Note-सारे उत्तर अपनी हिन्दी उत्तर पुस्तिका में लिखिए।

### ग्रीष्मावकाश गृहकार्यम् (सत्रम् 2021-22) कक्षा-VI Subject- Sanskrit

1.बालक,बालिका एवं पुष्प शब्दानां रुपम् सुलेखपूर्वकं लिखत।

(You can see page no. 89-90 ,Read, write and memorize)

2. पठ्धातु रुपं चतुर्षु लकारेषु सुलेखपूर्वकं लिखत।

(You can see page no. 92-93, Read, write and memorize)

Note:- Write the answer in Sanskrit notebook.

**HOLIDAY HOME WORK-**
**SOCIAL SCIENCE**
**CLASS-VI**

**1.Study the question answers of the lessons that has been taught.**
**2.a.Map of chapter I -History in Activity File**

**3.Drawing- in activity file**
**a.solar system.**
**b. draw National Flag .National Flower. National Animal, National bird and write National Anthem**

**4.Choose 6 states of India and write about it's a .festivals b. food c. dress d. art and architecture .in activity file.**

**5. Make a manuscript. Take a broad leaf . Put it under a heavy book for a month. On the leaf write why do you study social science and paste in activity file.**

# Holiday Homework : Summer Vacation Class VI

Project

1.Watch any two programmes on Animal Planet, National Geographic and discovery and write a short review on which programme you liked.

2. Learn the poem " The kite for recitation : Make a colourful kite either you can draw or make from paper and write the poem.

3. Take an interview of your parents about how they spent their childhood.

4. Make a poster on Don't be cruel to animals

Or Save Wild Life

5. Read any one of the suggested list of books and write how you liked it. You can also intrgrate art with reading. Draw a picture based on the book.

(a) The Blue Umbrella- Ruskin Bond

(b) Tales from Panchatantra

© The Magic Faraway tree- Enid Blyton

6. Write a short poem or story on animal or nature.

**Homework**

7. Read the friendly mongoose and make a list of 20 words and write their synonym and antonym

Write a paragraph on your favourite cartoon

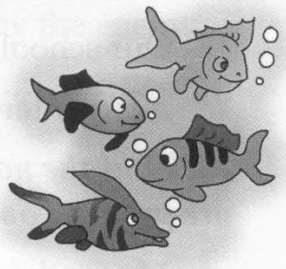
Here are some more *collective nouns* and the *common nouns* they are usually used with:

| | | |
|---|---|---|
| a *flight* of birds | a *swarm* of bees | a *gaggle* of geese |
| a *litter* of puppies | a *pride* of lions | a *suit* of clothes |
| a *troop* of children/ soldiers | an *album* of photographs | a *gang* of thieves/ workmen |
| a *host* of angels | a *troop* of monkeys | a *library* of books |
| a *sheaf* of corn | a *chest* of drawers | a *bouquet* of flowers |
| a *band* of musicians | a *crew* of sailors | a *rope* of pearls |
| a *brood* of chickens | a *rookery* of penguins | a *host* of angels |
| a *cloud* of flies | a *leap* of leopards | a *nest* of snakes |
| a *coven* of witches | a *muster* of peacocks | a *troupe* of actors |
| a *clutch* of eggs | a *suite* of rooms | a *kindle* of kittens |

**B** ***Fill in the blanks with nouns chosen from the given list:***

| | | | | |
|---|---|---|---|---|
| ships | cows | thieves | fish | keys |
| sheep | tools | cards | stairs | clothes |

1. a bunch of .....
2. a flight of .....
3. a suit of .....
4. a gang of .....
5. a set of .....
6. a herd of .....
7. a school of .....
8. a fleet of .....
9. a flock of .....
10. a pack of .....



8. Learn the collective nouns and complete B .

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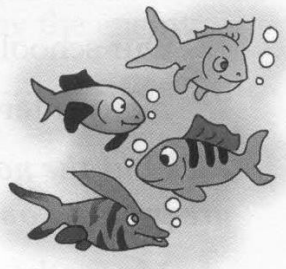

C.Fill in the blanks with the correct words given in brackets:

a) Neither of the boys…… present in the classroom. (was/were)

b) The cost of all vegetables ……soared. (have /has)

c) Both of the students…….. at fault. (is/are)

d) The villages of our country…….. very backward. (is/ are)

e) The poor of our country ……a lot. (suffer/ suffers)

f) Every adult citizen of our country ……the right to vote. (enjoy/enjoys)

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# KENDRIYA VIDYALAYA COMMAND HOSPITAL

## SESSION 2021-22

## Holiday Homework for SUMMER VACATION

## Class- 6

## Subject- Maths

**1.** Fill in the blanks:

**a)** If the product of two whole numbers is zero then one of them will be_____ .

**b)** Every natural number except _____ has a predecessor.

**c)** If we add the number _____ to the collection of natural numbers, we get the collection of whole numbers

**d)** Place value of 7 in '3627992' is _____.

**e)** Expanded form of 3920671 is _____.

**f)** Number name of 63728729 in Indian system of numeration is _____.

**g)** Number name of 782678926 in International system of numeration is _____.

**h)** _____ is the smallest whole number.

**i)** If we add _____ to a number, we get its successor.

**j)** 786 when estimated to the nearest tens is _____ andwhen estimated to the nearest hundreds is _____.

**2.** Medicine is packed in boxes, each weighing 5kg 600g. How many such boxes can be loaded in a van which cannot carry beyond 260kg?

**3.** A student multiplied 1234 by 67 instead of multiplying by 76. By how much was his answer lesser than the correct answer.

**4.** Sunny is a famous cricket player. He has so far scored 8932 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

**5.** Starting from the smallest 4 digit number, write the next five numbers in the ascending order.

**6.** Write the predecessor for the following numbers:
a)72731731
b)3932802201

**7.** Write the successor for the following numbers:
(a) 32891210 (b) 98752122

**8.** Write the following in roman numerals:
(a) 329 (b) 98 (c) 121

**9.** Write the following in Hindu - Arabic system of numeration:
(a) CCCXL (b) LXXXVI (c) CDXLVI (d) XCIX

**10.** The canteen charge Rs. 50 for lunch and Rs. 20 for milk for each day. How much money do you spend in 4 days on these things?

**11.** Simplify by using suitable properties (also state them ):

(a) 71 x 56 + 29 x 56

(b) 135 x 52 + 135 x 48

(c) 16825 x 16825 – 16825 x 6285

(d) 569 x 17 + 569 x 13 + 569 x 70

**12.** If the product of two whole numbers is 1, can we say that one or both of them will be 1? Justify through examples.

**13.** Simplify by using suitable rearrangement:

(a) 4 x 927 x 25 (b) 250 x 60 x 50 x 8

**14.** If you are on a diet and have a breakfast containing 150 calories, a lunch consisting of 350 calories, and a dinner consisting of 1000 calories, then find the sum of the calories consumed that day.

**15.** At a certain school each classroom contains 32 students. How many classrooms will you need for 384 students?

16. Name any five large cities in India. Find their population. Write their population in numerals and words using Indian place value chart.

17. **LEARN MULTIPLICATION TABLES FROM 1 TO 20**.

18. **PROJECT WORK:** ***Write a paragraph ( in not more than 50 words) on "RAMANUJAN - The Great Mathematician". Write the important contributions of him .***

19.Write the number of votes obtained by five winning candidates in west Bengal election 2021.

20.Write the expenditure of a family in different requirements in a table.

Note : all the students have to write solution of these questions in Mathematics homework or activity notebook separately.

KENDRIYA VIDYALAYA COMMAND HOSPITAL

SCIENCE HOLIDAY H.W

**CLASS VI**

1.Prepare 10 MCQS each with its answer from the following chapters

i) Food where does it come from?

ii) Components of food

iii) Fibre to fabric

2. Read the chapters of term one and find 10 difficult words from each chapter. Write their meaning by searching in dictionary.( chapters 1-8)

3. Write an essay on the present situation of PANDEMIC. How can you stay safe? Suggest your friends what kind of food they should take to be healthy.

*K V Command Hospital*
*Holiday home work*
*Class VII , 2021-22*

**DATE OF SUBMISSION: - 21st June 2021**

## Class 7
## Summer Homework Worksheet 2021-22

**Question 1**

Complete the following.

a) $\frac{5}{20} = \frac{}{4}$

b) $\frac{10}{20} = \frac{}{4}$

c) $\frac{15}{20} = \frac{}{20}$

**Question 2**

Solve the following.

a) 16 ÷ 2 =_____and 62 × $\frac{1}{2}$= _____

b) 18 ÷ $\frac{1}{2}$ =_____and 19 × 2 = _____

c) 27 ÷ $\frac{5}{3}$ =_____and 45 × $\frac{3}{5}$ =_____

**Question 3**

Fill in the blanks.

a) 6 cm = __m

b) 1.23 kg = __g

c)____× 1000 = 6.3

d) 78 mm =___km

**Question 4**

State true or false.

(a) 17 + 15 = 15 + (– 17)

(b) 64 – (+ 64) = 0

(c) [(– 17) + 8] + 20 = [8 + (– 17)] + 20

(d) (– 54) + 0 = 0

**Question 5**

Fill in the boxes with appropriate answers.

| | | Base | Exponent | Expanded form | Value |
|---|---|---|---|---|---|
| a) | $5^4$ | | | | |
| b) | $2^3$ | | | | |
| c) | $6^5$ | | | | |
| d) | $7^3$ | | | | |

**Question 6**

There are 120 seats in the balcony of a theatre. If this is $\frac{1}{5}$th of the total seats, what is the total number of seats in the theatre?

**Question 7**

In a class of 50 students, $\frac{1}{5}$ of the total play football, $\frac{3}{5}$ of the total play cricket, and the remaining play basketball. Find the number of students who play:

a) Basketball
b) Football
c) Cricket

**Question 8**

Samson carries a bag weighing 5.5 kg. How many grams is it?

**Question 9**

Shaloo purchased three books at Rs 37.60 each and five pens at Rs5.15 each.

She gave the shopkeeper a five hundred rupee note. How much money did she get back from the shopkeeper?

**Question 10**

The sum of two integers is - 123. If one of them is 325, what is the other number?

**Question 11**

(a) Write the following in ascending order:

(i) 0.4, 0.7, 0.3, 0.9

(ii) 0.3, 0.21, 0.6, 0.41

(b) Write the following in descending order:

(i) 0.31, 0.4, 0.087, 1

(ii) 0.6, 0.44, 0.5, 0.09

**Question 12**

Find

(a) $\frac{1}{3}$ of 27

(b) $\frac{4}{5}$ of 50

(c) $\frac{2}{5}$ of 35

**Question 13**

Write the integers between the two given integers wherever possible.

(a) 2 and - 5

(b) -60 and - 56

(c) 9 and 10

(d) 18 and - 17

**Question 14**

The sum of two rational numbersis $7\frac{2}{3}$. If one of the numbers is $3\frac{1}{6}$find the other number.

**Question 15**

Simplify:

(a) 0.03 X 0.05

(b) 4.96 ÷ 0.004

(c) 0.01 X 4 X 0.5

(d) 20.74 + 0.674 + 0.09

**Question 16**

Using laws of indices simplify the following.

(a) $\frac{5^{10}}{5^{12}}$

(b) $4^5 \div 4^2$

(c) $\frac{2^7 \times 3^9}{2^5 \times 3^6}$

**Question 17**

Express in Exponential form.

(a) $(-2p^3)^4$

(b) $(8x^3)^0$

(c) $[(\frac{3}{4})^{-2}]^3$

| | |
|---|---|
| | **Question 18**<br>Multiple Choice questions<br><br>(a) Tasneem bought a suit for Rs.560 and sold it for Rs.500.<br>Which of the following did she make?<br><br>(i) Profit (- 60)<br>(ii) Profit 60<br>(iii) Loss (- 60)<br>(iv) None of these<br><br>(b) When a proper fraction is multiplied by a proper fraction the product is always_____either of the fraction<br><br>(i) greater than<br>(ii) equal to<br>(iii) smaller than<br>(iv) none of these |

# केन्द्रीय विद्यालय कमान अस्पताल अलीपुर, कोलकाता

## ग्रीष्मावकाश गृहकार्य(विषय- हिन्दी एवं संस्कृत)

### ग्रीष्मावकाश गृहकार्य (सत्र 2021-22) कक्षा-VII Subject - HINDI

1.हिमालय की बेटियाँ पाठ से अनुमान और कल्पना से नदियों से होने वाले लाभ पर 20 पंक्तियाँ लिखें।

2.हम पंक्षी उन्मुक्त गगन के कविता का सारांश लिखिए।

3.कठपुतली कविता में कठ्पुतलियाँ स्वतंत्र क्यों होना चाहती हैं?

स्वतंत्र होने के लिए उन्होंने क्या – क्या संघर्ष किया होगा? अपनी कल्पना के आधार पर लिखिए।

4.पांडवों में आपको सबसे अच्छा चरित्र किसका लगा?

5.द्रोणाचार्य ,लाख का घर , पांडवों की रक्षा पाठ का स्वाध्याय करें।

Note-सारे उत्तर अपनी हिन्दी उत्तर पुस्तिका में लिखिए।

### ग्रीष्मावकाश गृहकार्यम् (सत्रम् 2021-22) कक्षा- VII Subject- Sanskrit

1.एतत् एवं तत् शब्दयोः रुपम् त्रिषु लिंगेषु सुलेखपूर्वकं लिखत ।

(see page no.91-92, Read, write and memorize)

2. चर् धातु रुपम् पञ्चलकारेषु सुलेखपूर्वकं लिखत ।

(see page no. 97-98, Read, write and memorize)

3."सुभाषितानि" पाठस्य श्लोकान् स्मृत्वा लिखत।

(Memorize & write the shloka of first lesson सुभाषितानि)

Note:- Write the answer in Sanskrit notebook.

**Holiday Home work**

**Class VII**

**1. Read the passage and answer the following questions**

- *SYMPATHY*
-
- *I lay in sorrow, in deep distress;*
- *My grief a proud man heard;*
- *His looks were cold, he gave me gold,*
- *But not a kindly word*
-
- *My sorrow passed – I paid him back*
- *The gold he gave to me;*
- *Then stood erect and spoke my thanks*
- *And blessed his charity.*
-
- *I lay in want, and grief and pain;*
- *A poor man passed my way,*
- *He bound my head, he gave me bread,*
- *He watched me night and day.*
-

- *How shall I pay him back again*
- *For all he did to me?*
- *Oh, gold is great, but greater far*
- *Is heavenly sympathy.*
- (b) He took him home
  (c) He gave some money
  (d) He pitied the poet

**2. What was it he did not give the poet ?**

(a) money
(b) gold
(c) food
(d) sympathy

**3. How did the poor man take care of the poet ?**

(a) The poor man gave him some money and food
(b) The poor man gave gold and kind words
(c) The poor man gave food to the poet and took care of him day and night
(d) He took the poet home and bound his head which was hurt

**4. Which of the following statements is not true?**

(a) The poet repaid his debt to the proud man by thanking him
(b) The poor man blessed the charity of the poet

(c) When the poet was in sorrow he was given money
(d) The poet says he cannot repay the poor man for his sympathy

**5. Which word in the poem means "giving money to a person who is in need" ?**

(a) charity
(b) sympathy
(c) kindness
(d) distress

Project
II.Integrate Reading and Fine Arts: Reading stories/ poem/ book etc. and drawing pictures, posters etc. on the basis of the poem/ story/ book read. On any of the following :
Also write the reason why would you like others to read that particular Story.
The Blue Umbrella
Charlie and he chocolate Factory
Born Free – Joy Adamson

III. Write a short story or poem about an animal.
IV . Interview your parents or grand parents about their childhood.

V. Watch interesting T V shows in English and write about any five of them giving the reason why you liked them. (Discovery channel, Animal Planet or National Geographic

VI.Learn the poem “ The Shed “ for recitation

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# Holiday HW

## SCIENCE

## Class VII

1.What is Photosynthesis?Describe the process.

2.What are parasitic plantand insectivorous plant?

3.Draw  digestive system of man.

4. Describe the mechanism of digestion in human.

5.What are ruminating animals?How they digest food?

6 .In scrap book

1.How you will prove that starch is digested in mouth?

2.Activity on tongue to show different areas of it for tasting food.

# KENDRIYA VIDYALAYA COMMAND HOSPITAL

## HOLIDAY HOME WOR

**CLASS VII SUBJECT: SOCIAL SCIENCE**

**ON THE POLITICAL OUTLINE MAP OF ASIA AND AFRICA LOCATE COUNTRIES AND PREPARE A LIST AS BELOW.**

| SL NO | NAME OF COUNTRY | CAPITAL | AREA | POPULATION |
|---|---|---|---|---|
| 1 | INDIA | NEW DELHI | 3.28, Million | 1210, Million |
| 2 | | | | |
| 3 | | | | |
| | | | | |

1 Describe, how the new groups of peasants were important group.

2. How were the jatis classified in the society during the period 700-1750?

3. What was written about Shamsuddin Balaban in the Prashasti?

4. What has been written by Amir Khusrau regarding the languages?

5. What changes occurred in Hinduism during the period?

6. Describe the variety of ways interpreted by the Islamic followers.

**7**. Man modifies his environment. Give reasons.

**8**. Plants and animals depend on each other. Justify with reason.

**9**. Define the atmosphere. What is the significance of the atmosphere?
**10**. Define hydrosphere. What does it comprise?
**11**. Describe the impact of human activity on the natural environment.
**12.** Give a reason why Earth is the home of human beings and other organisms.
**13**. Do plants take nitrogen directly from the air?
**14.** Name the gases that are found in lesser quantities in the atmosphere
15.What kind of discrimination was faced by the Ansari family?
16. What is the basis on which we are treated unequally?
17. When persons are treated unequally, their dignity is violated. How?
18What are the provisions in the Constitution of India in respect of recognition of equality?
19. Describe the two ways in which government has tried to implement the equality.

# KENDRIYA VIDYALAYA COMMAND HOSPITAL
# HOLIDAY HOMEWORK 2021-22
# Mathematics for Class 8

## 1. Rational Numbers

**Q 1 Find the reciprocal of -2.**

Q 2 The sum of two numbers is $\frac{5}{9}$. If one of the numbers is $\frac{1}{3}$, find the other.

Q 4 Simplify $\frac{7}{6} \times \frac{-3}{28}$ and find its reciprocal.

Q 5 The product of two rational numbers is 15. If one of the numbers is –10, find the other.

Q 6 Write any three rational numbers between –5 and 0.

Q 7 True of False: 1 is the only rational number that is equal to its reciprocal.

Q 8 Simplify: $\frac{-4}{13} - \frac{-3}{26}$

Q 9 Verify $\frac{-2}{5} + \left[\frac{3}{5} + \frac{1}{2}\right] = \left[\frac{-2}{5} + \frac{3}{5}\right] + \frac{1}{2}$.

Q 11 Verify the associative property of multiplication

$$\frac{-7}{3}\times\left(\frac{5}{4}\times\frac{2}{9}\right)=\left(\frac{-7}{3}\times\frac{5}{4}\right)\times\frac{2}{9}$$

Q 12 Find $\frac{3}{7}+\frac{6}{11}+\left(\frac{-8}{21}\right)$

Q 13 Simplify: $\left[\frac{1}{2}\div\left(\frac{-1}{2}\right)\right]\div\frac{2}{5}$

Q 14 Find a rational number between $\frac{1}{4}$ and $\frac{1}{2}$.

Q 15 Find two rational numbers between –2 and 0.

## 2. Linear Equations in One Variable

Q 1 Solve the equation: $\frac{1}{x}+\frac{2}{x}=3$ .

Q 2 The two third of a number increased by 9 equals 19. Find the number.

Q 3 Solve the equation: $\frac{6}{2x-(3-4x)}=\frac{2}{3}$

Q 4 Solve the equation: $\frac{2x}{3x+1}=-3.$

Q 5 Solve the equation: 5x - 3 = 3x - 5

Q 6 Solve the equation: $\frac{5x-7}{3x}=2$

Q 7 Solve the equation: $\frac{x}{5}+1=\frac{1}{15}$

Q 8 Solve the equation: $x-2x+2-\frac{16}{2}x=3-\frac{7}{2}x$

Q 9 Solve the equation: $\frac{x^2+4}{3x^2+7}=\frac{1}{2}$

Q 10 Solve the equation: $\frac{\frac{3}{4}y+7}{\frac{2}{5}y-4}=\frac{5}{4}$

Q 11 If $\frac{1}{2}$ is subtracted from a number and the difference is multipled by 4, the result is 5. Find the number.

Q 12 Solve the equation: 0.6x + 0.8 = 0.28x + 1.16

Q 13 Solve the equation: $\frac{3x+5}{2x+7} = 4$

Q 14 Solve the equation: $4(3w+2) - 5(6w-1) = 2(w-8) - 6(7w-4) + 4w$

Q 15 The sum of two numbers is 52. The second number is 10 more than the first. Find the numbers.

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# केन्द्रीय विद्यालय कमान अस्पताल अलीपुर, कोलकाता

## ग्रीष्मावकाश गृहकार्य(विषय- हिन्दी एवं संस्कृत)

### ग्रीष्मावकाश गृहकार्य (सत्र 2021-22) कक्षा-VIII Subject - HINDI

1. निम्न विषयों पर निबंध लिखें ( शब्द सीमा 250 शब्द )

क – कोरोना का बिगड़ता स्वरुप और बचाव के उपाय

ख – मेरा प्रिय खेल

ग – पर्यावरण प्रदूषण कारण और उपाय

2.रहीम के 5 दोहे लिख कर याद करें|

3.आपनेभीअपनेजीवनमेंकभीयात्राकीहोगी, उसयात्रा- अनुभवकोअपनेशब्दोंमेंलिखिए |

4.पूरक पुस्तिका "भारतकीखोज"के 2अध्यायों को पूरा पढ़े और उनमें से कोई पांच प्रश्नों का निर्माण कर उत्तर सहित लिखें|

Note-सारे उत्तर अपनी हिन्दी उत्तर पुस्तिका में लिखिए।

### ग्रीष्मावकाश गृहकार्यम् (सत्रम् 2021-22) कक्षा- VIII Subject- Sanskrit

1. यत् एवं किम् शब्दयोः रुपम् त्रिषु लिंगेषु सुलेखपूर्वकं लिखत ।(see page no. 115Read, write and memorize)

2. खाद् धातु रुपम् पञ्चलकारेषु सुलेखपूर्वकं लिखत ।(see page no. 119, Read, write and memorize)

3."सुभाषितानि" पाठस्य श्लोकान् स्मृत्वा लिखत।(Memorize & write the shloka of first lesson सुभाषितानि

Note:- Write the answer in Sanskrit notebook

## Holiday homework 2020

**Subject : ENGLISH Class VIII**

1. During the pandemic we should start taking precautions at home. If we want a pandemic free India we have to begin with ourselves, make individual efforts not to let down our guards Write a letter within 120 to 150 words to your friend voicing that each and every individual has to play a role in keeping us healthy and disease free.You are Krishan/Krishna.

**Project**

2. Write a short story about a folktale in your mother tongue and retell the same story in English

3. Make a poster on War and its futility accompanied by a short paragraph on the disaster which war brings on the humans.

4. Create your own Fable. Integrate it with drawing and colouring.

5. The article on Tsunami shows how a little girl saved the lives of many tourists when a tsunami struck the beach, thanks to the geography lesson that she had learnt at school. She remembered the visuals of a tsunami and warned her parents.

Do you remember any incident when something that you learnt in the classroom helped you in some way outside the classroom?

Write your experiences in a paragraph of about 90–100 words or narrate it to the whole class like an anecdote.

6. Read any one of the books and write a book review :

Oliver Twist- Charles Dickens

Rusty and his friends- Ruskin Bond

The Little women – Louisa M Alcott

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# Science Holiday Homework

## Class : VIII (2021-22)

1 .**Read the following Chapters Thoroughly**

a). Synthetic Fibres and Plastics

b)Metals and Non Metals

c).coal and Petroleum

d). Combustion and flame

e) Conservation of Plants and Animals

f).Cell Structure and Function

g) Force and Pressure

h)Friction

**Write (from these chapters)**

(Write in Practical Sheets and Use one sheet for each chapter.)

5 new words

5 important definitions

**2. Observe the Phases of Moon for Fifteen Continuous Days**

(Beginning on new moon day or full moon day)

Take a photograph of the Moon for each day, take its printout and arrange it day wise.

**3 . From the two Chapters done in online classes till now**

-Read and revise thoroughly.

-Learn the notes given.

-Practice diagrams and exercise questions

**KENDRIYA VIDYALAYA COMMAND HOSPITAL**
**REGION - KOLKATA**
**SUMMER VACATION HOLIDAY ASSIGNMENT (2021-22)**
**CLASS- IX**
**SUBJECT- MATHEMATICS**

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## Section A (Questions)

**1.** Let x and y be rational and irrational numbers, respectively. Is x+y necessarily an irrational number? Give an example in support of your answer.

**2.** Divide $x^3-3x^2+5x-3$ by x-2 and find the quotient and remainder.

**3.** Find three rational numbers between
(i) -1 and -2
(ii) 0.1 and 0.11

**4.** Express the following in the form p/q, where p and q are integers and q≠0
(i) 0.2
(ii) 0.888…

**5.** What can the maximum number of digits be in the repeating block of digits in the decimal expansion of 1/17? Perform the division to check your answer.

**6.** Find p(0), p( 1) and p(-2) for the following polynomials

(i) $p(x) = 10x - 4x^2 - 3$

(ii) $p(y) = (y + 2)(y - 2)$

**7.** Find the zeroes of the polynomial in each of the following,

(i) $p(x) = x - 4$

(ii) $g(x) = 3 - 6x$

(iii) $q(x) = 2x - 7$

**8.** If $a = \frac{3+\sqrt{5}}{2}$, then find the value of $a^2 + \frac{1}{a^2}$.

**9.** By remainder theorem, find the remainder when p(x) is divided by g(x)

(i) $p(x) = x^3 - 2x^2 - 4x - 1$, $g(x) = x + 1$

(ii) $p(x) = x^3 - 3x^2 + 4x + 50$, $g(x) = x - 3$

**10.** Find the value of m, so that 2x -1 be a factor of $8x^4 + 4x^3 - 16x^2 + 10x + m$

**11.** Factorise the following:

(i) $9x^2 + 4y^2 + 16z^2 + 12xy - 16yz - 24xz$

(ii) $25x^2 + 16y^2 + 4Z^2 - 40xy + 16yz - 20xz$

**12.** Factorise:

$9x^2 + 6xy + y^2$

## Section B (project work/activities)

**13.** Perform following activities and write in activity notebook:

- **Activity 1: OBJECTIVE:** To construct a square-root spiral."
- **Activity 2: OBJECTIVE** : To verify the algebraic identity : $(a+b)^2 = a^2 + 2ab + b^2$

**SUMMER VACATION HOLIDAY HOME WORK**

**SUBJECT – SCIENCE**

**CLASS – IX**

Q1. Give two reasons to justify.

a) Water at room temperature is a liquid.

b) An iron almirah is a solid at room temperature.

Q2. What is sublimation? Draw a diagram to show the process of Sublimation.

Q3 . Why does a desert cooler cool better on a hot dry day?

Q4. Draw a labelled diagram of the following.

a) Animal cell b) Plant cell c) Prokaryotic cell

Q5. Make a comparison and write down ways in which plant cells are Different from animal cells.

Q.6.Write differences between the following

a)Speed and velocity

b)Uniform and non uniform velocity

c)Scaler and vector quantity

Q.7.Define the following.

a)Hypertonic solution

b)Hypotonic solution

c)Isotonic solution

d)Osmosis

Q.8.How does Amoeba obtain its food?

Q.9.Give reason

a)Lysosomes are known as suicide bags

b)Mitochondria is called power house of cell

Q.10.An object travels16m in 4 seconds and then another 16m in 2 second.What is the average speed of the object.

Q.10.. Note down following practicals in practical notebook.

a) To determine the melting point of ice.
b) To determine the boiling point of the given sample of water.
c) To prepare stained temporary mount of onion peel.
d) To prepare stained temporary mount of human cheek cells

# केन्द्रीय विद्यालय कमान अस्पताल अलीपुर, कोलकाता

## ग्रीष्मावकाश गृहकार्य(विषय- हिन्दी एवं संस्कृत)

### ग्रीष्मावकाश गृहकार्य (सत्र 2021-22) कक्षा- IX Subject- Hindi

1.क्षितिज पाठ्यपुस्तक के अध्याय 1 कबीर की साखियों का हिंदी अर्थ लिखें।

2.एक प्रोजेक्ट फ़ाइलका निर्माण करें जिसमें निम्न कार्य शामिल हों

क)किसी भी एक कवि का जीवन परिचय देते हुए उसका साहित्यिक परिचय लिखें |
ख)जिस कवि का उल्लेख कर रहे हो उसकी प्रमुख रचनाओं के बारे में लिखे |
ग)वर्तमान समय में कोरोना की भयावह स्थिति पर एक अनुच्छेद लिखें|
घ)अपने छोटे भाई को जो पढ़ाई के लिए घर से दूर रहता है
उसे कोरोना से बचाव के उपाय बताते हुए एक पत्र लिखिए |

Note-सारे उत्तर अपनी हिन्दी उत्तर पुस्तिका में लिखिए।

### ग्रीष्मावकाश गृहकार्यम् (सत्रम् 2021-22) कक्षा- IX Subject- Sanskrit

1. यत् (पुं), तत्(स्त्री.), किम् (स्त्री.)एवं इदम् (नपु.)शब्दस्य रुपम् लिखत।

( Read, memorize and write on A 4 sheet)

2.कवि, साधु, पितृ एवं नदी शब्दानां रुपाणि सुलेखपूर्वकम् लिखित्वा स्मरत।

( Read, memorize and write on A4 sheet)

3. गम् एवं सेव् धातु रुपम् पञ्चलकारेषु सुलेखपूर्वकं लिखत ।

( Read, memorize and write on A4 sheet)

4."भारतीवसंतगीतिः" पाठस्य श्लोकान् स्मृत्वा लिखत।

(Read, memorize& write the Shloka of first lesson भारतीवसंतगीतिः)

Note-सारे उत्तर अपनी संस्कृत उत्तर पुस्तिका में लिखिए।

समाप्तम्

Holidays Homework: Summer Vacations 2021

Class – IX

What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pickup a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour. Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like R.K.Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him.

So how does one become a cartoonist? Which of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes, but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice established cartoonists give is that just because you can sketch, don't take it for granted that you will become a cartoonist.

Read the questions given below and write the option you consider the most appropriate in your answer sheet.

Q1: What, according to Laxman, is the challenge in creating a good cartoon?

(i) waiting for the right thought

(ii) browsing newspapers to emerge. and television.

(iii) getting the right kind of

(iv) good drawing and sketching training. skills.

Q2: Which of these words BEST describes this passage?

(i) humorous

(ii) technical

(iii) challenging

(iv) informative

Q3: Of the many qualities that cartoonists should have, which of the following is not referred to directly but can be inferred from the passage?

(i) knowledge of current

(ii) knowledge of educational technologies institutions.

(iii) knowledge of news

(iv) knowledge of different current affairs, languages.

Q4: According to the passage, which group of people is of the opinion that one cannot learn to make a cartoon in institutions?

(i) many struggling writers. (ii) highly creative artists.

(iii) well-respected cartoonist. (iv) all newspaper editors.

Q5: "Don't take it for granted that you will become a cartoonist." Choose the option that is closest in meaning to the sentence.

(i) Don't assume that you will
(ii) Don't hope that you will become a cartoonist..
(iii) Don't believe that you will Become a cartoonist
(iv) Don't imagine that you will become a cartoonist.

Q2. Read the following books:-
a) The Blue Umbrella
b) Three Men in a Boat (1889 edition) by Jerome. K. Jerome.
c) The Canterville Ghost by Oscar Wilde
Give a book review of any one of the above books

Q3. In the chapter "The Fun they Had " you have read the types of school and teacher Margie and Tommy had. Correlate that situation with your present situation of virtual classes due to pandemic. Write a diary entry expressing your thoughts about the correlation of the lesson with your present condition.

Q4. Write a bio- sketch on "Ruskin Bond" and "Robert Frost". Explain their style of writing.
Q5. Fill in the blanks choosing the most appropriate option given below.

1)Thousands of species of plants (a) ……. animals are fast disappearing from the face (b) ……. our earth and no one else (c) ……. human being is responsible for this. (d) ……. of trees in the hilly regions has destroyed (e) ……. lives of people living there.
2) Last month (a) ……. excursion was organised by our school and we (b) ……. taken to Botanical Gardens. Three buses were hired (c) ……. all students (d) ……. the gardens and its natural beauty.
3) The driver (a) ……. with an accident as it was a case (b) ……. rash driving. His statement could not (c) ……. recorded (d) ……. he was badly injured.
4) Our life today (a) ……. surrounded by all kinds of gadgets (b) ……. has made our life very (c) ……. The information (d) ……. the Internet is just (e) ……. click away.
5) People all over (a) ……. world have different eating habits. The kind (b) ……. food that they consume depends (c) ……. the area in which they live and also what the form (d) ……. In Europe people eat more crop (e) ……. less grain.

Q5. **The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number. Remember to underline the word you have supplied.**

1. In the traditional sense prayer meant (a) ..... .....
communicating on God Almighty. (b) ..... .....
It includes the devotions, verbal but (c) ..... .....
mental prayers that are saying. (d) ..... .....
There are various ways and forms to (e) ..... .....
prayer and meditation, vocal prayers, etc. (f) ..... .....
But the fundamental either the base (g) ..... .....
of prayer are not any of these. (h) ..... .....

2. Maricha changed him into a (a) ..... .....
charming golden deer on surpassing (b) ..... .....
beauty and wandered around an *ashrama* (c) ..... .....
playfully in order to drawing Sita's attention. (d) ..... .....
Sita is gathering flowers near the *ashrama*, (e) ..... .....
while she suddenly saw the golden deer. (f) ..... .....
Enchanted with the charming beauty of the animal, she asked (g) ..... .....
Rama and Lakshmana to look into the exquisite animal. (h) ..... .....

3. At a certain village, in the province of (a) ..... .....
La Mancha at Spain, there live (b) ..... .....
the gentleman of about 50 years of age. (c) ..... .....
He was tall and thin and has giant features. (d) ..... .....
At one time he is rich, but now he was poor, (e) ..... .....
why he had sold all his lands (f) ..... .....
at buy books. He loved reading and (g) ..... .....
spending all his time between his beloved books. (h) ..... .....

4. A city of Venice attracts many a traveller, (a) ..... .....
as it lie sparkling in the sunshine, (b) ..... .....
its buildings reflecting in the waters (c) ..... .....
of the canals. There are much beautiful churches, (d) ..... .....
places and museums. In fact most of their (e) ..... .....
buildings are palaces long ago, so they look (f) ..... .....
grand and state. Some of them have been converted into (g) ..... .....
museums but libraries. (h) ..... .....

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Holiday home work

CLASS: X , SESSION: 2021-22

Subject : Mathematics

1.--

**KENDRIYA VIDYALAYA COMMAND HOSPITAL, 2021-22**

| | ***MATHEMATICS*** | **PART -A : DETAILS OF ACTIVITY DONE , Month: April** |
|---|---|---|
| | **CLASS X** | **ACTIVITTY – 1-** |
| **1** | **1. Learning Objectives:** | **Find the solutions of a quadratic polynomial ( $x^2$ - 3x -4 ) graphically.** |
| **2** | **2. Process of Execution :** | **By plotting the coordinates on the graph** |
| **3** | **3. Date of Commencement:** | **…..04.20….** |
| **4** | **4. Date of Execution :** | **…..04.20….** |
| **5** | **5. Learning Outcomes :** | **Number of roots of quadratic pollynomial and knowledge of parabola** |

2.

**KENDRIYA VIDYALAYA COMMAND HOSPITAL, 2021-22**

| | **SUB..MATHEMATICS** | PART -A : DETAILS OF ACTIVITY DONE , Month: **May-June** |
|---|---|---|
| | **CLASS X A** | **ACTIVITTY - 2** |
| **1** | **1. Learning Objectives:** | **Find solution of 2x+3y=12 and 5x - 4y =7 graphically.** |
| **2** | **2. Process of Execution :** | **By plotting the coordinates on the graph** |
| **3** | **3. Date of Commencement:** | ……06.20…. |
| **4** | **4. Date of Execution :** | ……06.20…… |
| **5** | **5. Learning Outcomes :** | **To express equation into a straight line** |

3.Show that any positive odd integer is of the form $6q + 1$, or $6q + 3$, or $6q + 5$, where $q$ is some integer.

4. Prove that $\sqrt{5}$ is an irrational number.

**5.**Use Euclid's division lemma to show that the cube of any positive integer is of the form $9m$, $9m + 1$ or $9m + 8$.

5. Prove that the product of three consecutive positive integer is divisible by 6.

6. Find the quadratic polynomial whosezeroes are $3 + \sqrt{5}$ and $3 - \sqrt{5}$.

7. If $\alpha, \beta$ are the zeroes of the quadratic polynomial $x^2 - 6x + a$ , find the value of a if $3\alpha + 2\beta = 20$.

**8.** 4 men and 6 boys can finish a piece of work in 5 days while 3 men and 4 boys can finish it in 7 days. Find the time taken by 1 man alone or that by 1 boy alone.

**9.**Solve for x and y: $\frac{2}{3x+2y} + \frac{3}{3x-2y} = \frac{17}{5}$ ; $\frac{5}{3x+2y} + \frac{1}{3x-2y} = 2$.

10.Find the value of a and b for which the following system of linear equations has infinite number of solutions: $2x - 3y = 7$; $(a + b)x - (a + b - 3)y = 4a + b$

# केन्द्रीय विद्यालय कमान अस्पताल अलीपुर, कोलकाता

## ग्रीष्मावकाश गृहकार्य class-10(विषय- हिन्दी )

रचनात्मक लेखन

दिए गए निम्नलिखित बिन्दुओं पर अनुच्छेद लेखन

1.भारत की सांस्कृतिक विरासत

2.बदलती जीवन शैली

3.पर्यावरण रक्षा

पत्र – लेखन

4.अपने क्षेत्र में बिजली संकट से उत्पन्न होने वाली असुविधाओं की ओर ध्यान आकर्षित करते हुए बिजली बोर्ड के अध्यक्ष को पत्र लिखिए।

5.आप सर्वेश कुमार हैं और विद्याभवन छात्रावास उदयपुर में रहकर पढ़ रहे हैं। ग्राम समकोला , बुलंदशहर में रहने वाले अपने पिता श्री हरनाम सिंह छाबड़ा को पुस्तकें खरीदने के लिए रूपए भेजने का अनुरोध करते हुए एक पत्र लिखिए।

विज्ञापन लेखन

6.दिलखुश चाय के प्रचार – प्रसार के लिए आकर्षक विज्ञापन तैयार कीजिए।

7.अपने मित्र को योग – दिवस हेतु 30 से 40 शब्दों का संदेश लिखिए।

कृतिका

8.जॉर्ज पंचम की नाक कहानी पढ़िए और । उसका सारांश 100 शब्दों मेंलिखिए।

**Holiday homework 2020**

**Subject : ENGLISH Class X**

1. You are Rema/ Rohit the school pupil of Valley Public School, Chennai. During the Summer Vacation, your school is planning an educational tour, covering visits to a thermal power plant and a few factories. Write a letter to The National Travel Agency, at to Pantheon Road, Chennai enquiring about the places, the charges, facilities and other relevant details.

2. Write a letter to the Manager, Taj International, and Lucknow to find out the rates for conducting the wedding Reception of your sister, enquiring specifically about the catering caused per head, service and decoration charges and advance to be paid.

3. Answer the following questions : literature

(a) 'Privilege often confuses actual needs for perceived ones.' Evaluate this statement with reference to Mrs. Pumphrey.

**(b)** Lencho did not bother exploring any other means to resolve his situation but just turned to God. Do you feel that his approach was justified? Why/Why not?

© "Fire and Ice" was first published in 1920. Briefly explain how the World War I might have influenced the theme of the poem

(d) Evaluate the line- *Some say the world will end in fire/Some say in ice*- in the context of volcanic eruptions, forest fires, meteor collisions, melting ice caps etc.

(e) Imagine that Nelson Mandela read 'Fire and Ice'.

As Mandela, write a diary entry associating the impact of the troubled history of South Africa with the idea expressed in the poem.

You may begin like this:

12

10 May 1994, Tuesday 10 p.m.

Today, when I am the President of South Africa, I can't help recalling Robert Frost's 'Fire and Ice'……..(continue)…….

**iv** Mandela says that his country's greatest wealth is its people and not the purest diamonds. Justify his statement

After having read the lesson on the oppression that communities faced in South Africa, you were deeply hurt. You could also relate to the struggles and hardships of millions of Indians who fought against the oppressive British rule.

Write a diary entry expressing your feelings about oppression faced by people in their homeland.

24 May 20XX, Monday 9:00 pm

My heart is filled with sadness as I think of the oppressed who had to tolerate the inhuman attitude of the oppressors in their…….

**Projects**

4. Book Review on any one :

(a) The Diary of a young girl --- Anne Frank

(b) The invisible man--- H.G Wells

(d) A tale of two cities---------- Charles Dickens

6.Research and find details of any one of the following topics and write an article based on it.

i)Black Americans and their fight against discrimination
ii) Women and their fight for equality
iii) the Vietnamese and their fight for independence
iv. The Boers War

7.Read two or three poems of Frost and select any one of the poem which you liked and mention in hundred words the reason behind it.

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Happy Holidays

KENDRIYA VIDYALAYA COMMAND HOSPITAL

SCIENCE HOLIDAY H.W

## CLASS X

1. Solve questions of any 5 CBSE sample papers of the following chapters
   i) Chemical reactions and equations
   ii) Life processes

2. Read the chapter our Environment and frame questions . Also write their answers.
3. Prepare 10 MCQS each with its answer from the above-mentioned chapters

**HOLIDAY-HOME WORK**
**SOCIAL- SCIENCE**
**Class-10**

**1.POLITICAL SCIENCE – Read chapter 2 of Political Science and write in about 300 words why you support Federal structure.**

**2. Drawing - Soil profile-in Activity File**

**3. Do Project- in Activity File on one of the following topics**

**Consumer Awareness**

**OR**

**SOCIAL ISSUES**

**OR**

**SUSTAINABLE DEVELOPMENT**

**4. Student generated questions- Geog chap 1- in activity file**

**5. Prepare for Group Discussion –Power Sharing is the best way to ensure peace in a country Give examples.- Write points in Activity File**

**6.Prepare Chart- Types of soil – characteristics, where found. (Activity File)**