

KENDRIYA VIDYALAYA HPC PANCHGRAM
SUMMER VACATION ASSIGNMENT/HW 2022-23

Class- VI
Subject- Maths

INSTRUCTIONS:

- *Read all the questions carefully before solving. Write the solution of questions in Mathematics homework notebook.*
- *Complete the project in neat and clear hand writing and attractive in your Homework notebook.*

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 _____ and when 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) $71 \times 56 + 29 \times 56$
(b) $135 \times 52 + 135 \times 48$
(c) $16825 \times 16825 - 16825 \times 6285$
(d) $569 \times 17 + 569 \times 13 + 569 \times 70$
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) $4 \times 927 \times 25$ (b) $250 \times 60 \times 50 \times 8$

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 .*

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

HOLIDAY HOMEWORK

SCIENCE

CLASS VI

1. Conduct a survey for 10 families around you about what kind of food they eat. Then categorise those families into families that take balanced diet and families that do not take balanced diet. (collect the data and arrange in tabular form).
2. Prepare a list of food items you commonly eat and find out (through tests, books, encyclopaedia or internet resources) major nutrients contained in them and check if you are missing on any essential nutrient.
3. List 5 plants and their parts that are eaten as food(paste pictures).
4. Prepare a diet chart for a 12 year old student.
5. Revise ch-1 and 2.
6. Write the deficiency diseases its causes and symptoms in a tabular form on A4 sheet.
7. Grow 5 grains through sprouting. Paste picture also.
8. Skills and application-based questions:

(i) Ravi had weak eyesight. He had difficulty in reading and writing. He went to a doctor. The doctor asked him to increase the intake of green vegetables. Why do you think the doctor suggested him this? (ii) Separate the insects, dead worms and excreta of rodents in rice and wheat, husk and wheat grains, coffee powder from coffee seeds, mixture of cooking oil, sand and water.
9. Ask the students to gather information about countries facing shortage of food, its causes and effects through newspapers, magazines and internet.

CLASS-VI SOCIAL SCIENCE

1. What do you mean by the Solar System? Write the names of all planets of the Solar System.
2. How does a planet differ from a star?
3. Why the Earth is called Unique and Blue planet?
4. Prepare a chart of the Solar System.
5. Why ordinary men and women did not generally keep records of what they did?
6. How the lives of kings would have been different from those of farmers?
7. What are differences between manuscripts and inscriptions?
8. Draw a list of different festivals celebrated in your locality?
9. What do you think living in India with its rich heritage of diversity adds to your life?
10. How we can say "Unity in Diversity" is an appropriate term used for India?

PROJECT WORK

Make poster/ wall magazine on "AZADI KA AMRIT MAHOTSAV, INDIA @ 75"

CLASS – 6A

ENGLISH

1. Write the summary of the following Chapters

- Who Did Patrick's Homework
- A House, A Home
- A Tale Of Two Birds
- How The Dog Found Himself A Master

2. LOST NOTICE

As Rohit/ Ritu, write a lost notice about a wrist watch you have lost in your school campus. Add all the details. Write the notice in about 50 words and put the notice in a box.

3. The following words have different meanings though spelt in the same way. Use each of them in two separate sentences to illustrate this.

(i) Fair (ii) bat (iii) Lie

4. Write two Paragraphs on .

- i. My family
- ii. How I spent my Summer Vacation

विषय – हिन्दी ,कक्षा – 6

निर्देश:-सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में करेंगे।

1.चिड़िया के अलावा आपको कौन – सा पक्षी अच्छा लगता है ?

उसका चित्र बनाइए ।

2.आपके आसपास खाने में कौन – कौन से व्यंजन प्रचलित है

उनकी सूची बनाइए ।

3.अपने बचपन की कोई मनमोहक घटना को विस्तार से लिखिए।

4.केशव और श्यामा की तरह आपको किसके बारे में जानने की

इच्छा है और क्यों ?

5. जरूरी कार्य के लिए अवकाश हेतु प्रार्थना- पत्र लिखिए

<u>CLASS VI</u> <u>SANSKRIT</u>
1) शब्दरूपलेखनम् कण्ठस्थीकरणं च : बालक, लता, पुष्प ,मुनि, भानु
2) धातुरूपलेखनं कण्ठस्थीकरणं च : पठ् , गम् ,स्था (लट्, लङ् , लृट् लकारेषु)
3) वर्णविच्छेदं कुरुत : (यथा= रामः= र् +आ +म् +अः)

चषकः, कपोतः, विद्यालयः, सिंहः, कृषकः, खनित्रम्, श्रमिका, भित्तिकम्, स्थानकम्, पोषकाणि, वातायनम्, क्रीडनकम्, एकस्मिन्, प्रसन्ना, अस्माकम्, सिञ्चति, सिंहाः, गृहम्, विद्यालयः, कृषकः, दीपकः, व्याघ्रः, ज्ञानी, मयूरः, रक्षकः ।

4) सर्वनामपदं लिखत- *सः/तौ/ते* चित्वा

यथा= बालकः पठति ।= सः पठति ।

छात्रौ लिखतः ।=

नरौ गच्छतः ।=

बालकाः हसन्ति ।=

मयूराः नृत्यन्ति ।=

गजाः चलन्ति ।=

सिंहाः गर्जन्ति ।=

वृक्षः फलति ।=

वानरः कूर्दति ।=

बालः चलति ।=

सौचिकः सीव्यति ।=

5) (i) विद्यालय-प्रार्थना संस्कृत में लिखकर याद करो।

(ii) संस्कृत-छात्रप्रतिज्ञा लिखकर याद करो।

6) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम् (01 page) अवश्यं पठन्तु ।

7) संस्कृत-परियोजना-कार्यम् । [INDIVIDUAL]

चित्राणि तथा नामानि

दश वस्तूनां चित्राणि रचयित्वा तेषां नामानिलिखत ।

Instructions:

i) All questions are compulsory.

ii) Answers should be written in the HW Sanskrit Note Book.

iii) Neat works are always appreciated.

*****All the Best*****

Subject : W.E
CLASS- VI

1.Make 02(Two)Projects (01 Working Model and 01 Decorative Item) from the given You Tube

Links in the Class What's app Group.

2.Make an Indigenous Toy using- either Waste Paper or Clothes or Cotton or Wool etc.

3.Learn and Understand all the Class Notes .

4.Write a Note on " Personal Hygiene" in your W.E note book (02 Pages).

5.Plant atleast 02 Medicinal Plant in Pots .

Subject: Arts
Class VI

(1) Make a best of the west

(2) Make a paper collage art

HOLIDAY HOMEWORK OF LIBRARY
DURING SUMMER VACATION FOR THE ACADEMIC SESSION 2022-2023
CLASS VI-X

1. Know India- <https://knowindia.gov.in> – Students, you will find important information regarding our motherland India, which is the sole responsibility of us to be an awakened citizen of India.

2. Book Review of the Story Books issued from Library. Write the Review of the Story in Library Copy.

Class- VII

Subject- MATHEMATICS

INSTRUCTIONS:

- Read all the questions carefully before solving. Write the solution of questions in Mathematics homework notebook.
- Complete the project in neat and clear hand writing and attractive in your Homework notebook.

Questions

19. When the integers 10, 0, 5, -5, -7 are arranged in descending or ascending order, then find out which of the following integers always remains in the middle of the arrangement.

- (a) 0 (b) 5 (c) - 7 (d) -5

20. By observing the number line, state which of the following statements is not true?



- a) B is greater than -10 (b) A is greater than 0
- (c) B is greater than A (d) None

21. By observing the above number line, state which of the following statements is true?

- (a) B is 2 (b) A is -4 (c) S is -13 (d) B is -4

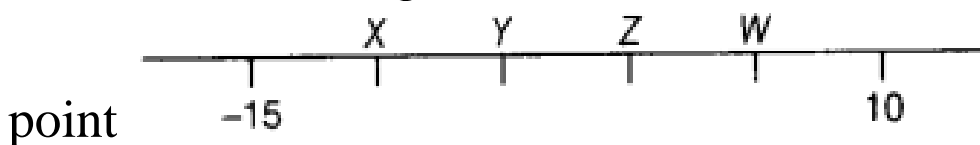
22. Next three consecutive numbers in the pattern 11, 8, 5, 2, ____, ____, ____, are

- (a) 0, -3 , -6 (b) -1 , -5 , -8 (c) -2 , -5 , -8 (d) -1 , -4 , -7

23. Which of the following statements is not true?

- (a) When two positive integers are added, we always get a positive integer.
(b) When two negative integers are added, we always get a negative integer.
(c) When a positive integer and a negative integer are added, we always get a negative integer.
(d) Additive inverse of an integer 2 is (-2) and additive inverse of (-2) is 2.

24. On the following number line value, 'zero' is shown by the



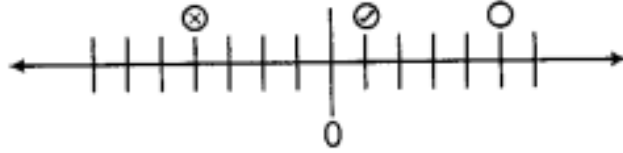
- (a) X (b) Y (c) Z (d) W

25. The value of $5 + (-1)$ lie between

(b) -2 and 10

(d) – 6 and -2

8 If \otimes , \circ , \ominus and \bullet represent some integers on number line, then descending order of these numbers is



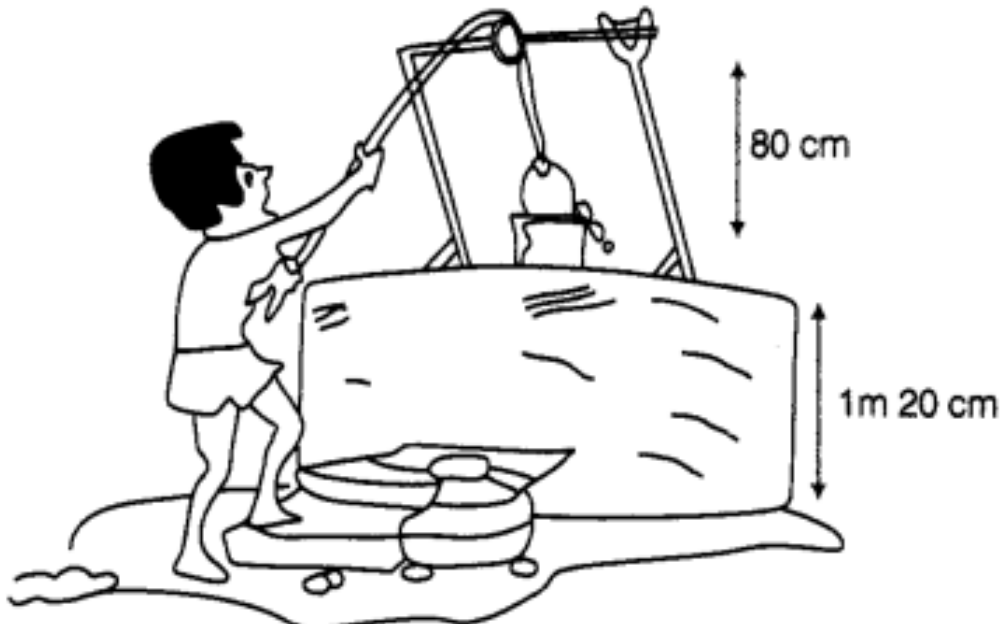
(a) $\bullet, \otimes, \oplus, \bigcirc$

(b) $\otimes, \bullet, \otimes, \circ$

(c) $\bigcirc, \textcircled{\checkmark}, \textcircled{\times}, \bullet$

(d) $\bigcirc, \bullet, \otimes, \oplus$

9. Water level in a well was 20 m below ground level. During rainy season, rainwater collected in different water tanks was drained into the well and the water level rises 5 m above the previous level. The wall of the well is 1m 20cm high and a pulley is fixed at a height of 80 cm. Raghu wants to draw water from the well. The minimum length of the rope, that he can use is



(a) 17 m

(b) 18 m

(c) 96 m

(d) 97 m

10. Using number line, find:

(i) $3 \times (-5)$

(ii) $8 \times (-2)$

11. Solve the following:

(i) $(-8) \times (-5) + (-6)$

(ii) $[(-6) \div (-3)] + (-4)$

(iii) $(-10) \times [(-13) + (-10)]$

(iv) $(-5) \times [(-6) - 5]$

12. You have ₹ 500 in your saving account at the beginning of the month. The record below shows all of your transactions during the month. How much money is in your account after these transactions?

Cheque No.	Date	Transactions description	Payment	Deposit
384102	4/9	Jal Board	₹ 120	₹ 200
275146	12/9	Deposit		
384103	22/9	LIC India	₹ 240	₹ 150
801351	29/9	Deposit		

13. The given table shows the freezing points in °F of different gases at sea level. Convert each of these into °C to the nearest integral value using the relations and complete the table

$$C = \frac{5}{9} (F - 32)$$

Gas	Freezing point at sea level (°F)	Freezing point at sea level (°C)
Hydrogen	-435	
Krypton	-251	
Oxygen	-369	

14. Taking today as zero on the number line, if the day before yesterday is 17 January, what is the date on 3 days after tomorrow?

15. Social Studies Application remembering that 1AD came immediately after 1 BC, while solving following problems take 1BC as -1 and 1AD as + 1.

(i) The Greco-Roman era, when Greece and Rome ruled Egypt, started in the year 330 BC and ended in the year 395 AD. How long did this era last?

(ii) Bhaskaracharya was born in the year 1114 AD and died in the year 1185 AD. What was his age when he died?

(iii) Turks ruled Egypt in the year 1517 AD and Queen Nefertis ruled . Egypt about 2900 years, before the Turks ruled. In what year did she rule?

(iv) Greek Mathematician Archimedes lived between 287 BC

and 212 BC and Aristotle lived between 380 BC and 322 BC.
Who lived during an earlier period?

16. The table shows the lowest recorded temperatures for each continent. Write the continents in order from the lowest recorded temperature to the highest recorded temperature.

The Lowest Recorded Temperatures	
Continent	Temperature (in Fahrenheit)
Africa	-11°
Antarctica	-129°
Asia	-90°
Australia	-9°
Europe	-67°

North America	-81°
South America	-27°

17. PROJECT WORK: *Write a paragraph (in not more than 100 words) on “RAMANUJAN - The Great Mathematician”. Write the important contributions of him .*

18. Learn *multiplication* table from 2 to 20.

Note: all the students have to write all these questions in Homework notebook separately.

CLASS VII SCIENCE

1. Write all key words of chapter 1st and 2nd?

2. Write short report these topics:-
 - (a) Conservation of water
 - (b) Our environment
3. Draw labelled diagram of following:-
 - (a) Human digestive system
 - (b) Amoeba
 - (c) Digestive system of ruminant
 - (d) Fertilization
 - (e) Reproduction in yeast by budding
4. Make a toy by using waste material?
5. Make a chart paper.

CLASS-VII
SOCIAL SCIENCE

1. List some technological changes in Irrigation system from different sources and write about them.
2. Who was considered a “foreigner” in the past?
3. In what ways has the meaning of the term “Hindustan” changed over the centuries?
4. Which are the major components of the environment?
5. What is ecosystem?
6. What is biosphere?
7. Define universal adult franchise?
8. What was civils right movement in USA?
9. Who was Omprakash Valmiki?

PROJECT WORK

Make video in languages learned under “EK BHARAT SHRESTHA BHARAT- BHASHA SANGAM”

विषय – हिन्दी ,कक्षा – 7

निर्देश:-सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में करेंगे।

- 1.शहरीकरण से पर्यावरण किस प्रकार प्रभावित होता है 10 पंक्तियां लिखिए
- 2.सावन,कार्तिक,फाल्गुन में कौन-कौन से त्योहार आते हैं किसी एक पर अनुच्छेद लिखिए
- 3.आपके आसपास पर्यटक स्थलों की जानकारी एकत्रित करके लिखिए
- 4.नदियों से हमें क्या क्या लाभ होते हैं 10 पंक्तियां लिखिए
- 5.आपके आसपास में गंदगी होने पर सफाई के लिए नगरपालिका अध्यक्ष को एक प्रार्थना पत्र लिखिए।

CLASS – 7 A

ENGLISH

1. Write the summary of the following Chapters

- The Three Questions
- The Squirrel
- The Tiny Teacher

2. NOTICE WRITING

As Nisha / Nishal of Model School , Delhi write a notice about a quiz competition to be held in your school. Add all the details. Write the notice in about 50 words and put the notice in a box.

3. The following words have different meanings though spelt in the same way. Use each of them in two separate sentences to illustrate this.

(i) project (ii) bark (iii) date

4. Find out all the verbs from lesson 1-Three questions.

5. Write a descriptive paragraph about 'My favourite cartoon character' based on the hints given below-

Name of character — description — qualities — what you like the most about it.

SUBJECT : SANSKRIT

CLASS VII

- 1) धातुरूपलेखनं कण्ठस्थीकरणं च : भू , पठ् कृ , दृश् , स्था (पञ्च- लकारेषु)
- 2) शब्दरूपलेखनम् कण्ठस्थीकरणं च : किम् मति , नदी , पितृ अस्मद् , युष्मद्
- 3) संस्कृते संख्यावाचकान् लिखत । (01 से 50 तक)
- 4) प्रथमपाठस्य श्लोकान् स्मृत्वा स्वपुस्तिकायां लिखत।
- 5) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम्(01 page) अवश्यं पठन्तु ।
- 6) सन्धिविच्छेदयत।

वायुश्च =	यथाऽहम्=
सद्भिरेव =	अपायोऽपि =
सहासीत =	अत्रैव=
सद्भिर्विवादम् =	किञ्चिदपि=
नासद्भिः =	महदाश्चर्यम् =
किञ्चिदाचरेत् =	कूर्मोऽपि=
फुल्लोत्पल=	सरस्तीरे=
कूर्मादीन् =	एवोक्तम्=
मैवम्=	नाभिनन्दति=

7) द्वितीयं पाठं पठित्वा निम्नलिखितानां प्रश्नानाम् उत्तराणि लिखत ।

क) सरोवरस्य नाम किम् आसीत् ?ख) हंसयोः नाम किम् आसीत् ?ग) कः विनश्यति ?

घ) धीवराः किम् अवदन् ?ङ) कूर्मस्य नाम किम् आसीत् ?च) हंसयोः मित्रं कः आसीत् ?

छ) के अधावन् ?

8) छात्रप्रतिज्ञां लिखित्वा स्मरन्तु।(In Sanskrit)

9). विद्यालय-प्रार्थनां लिखित्वा स्मरन्तु।(In Sanskrit)

Instructions:

i) All questions are compulsory.

ii) Answers should be written in the HW Sanskrit Note Book.

iii) Neat works are always appreciated.

*****All the Best*****

Subject: W.E

CLASS- VII

1. Make 02(Two) Projects (01 Working Model and 01 Decorative Item) from the given You Tube

Links in the Class What's app Group.

2. Make an Indigenous Toy using- either Waste Paper or Clothes or Cotton or Wool etc.

3. Learn and understand all the Class Notes.

4. Write a Note on "Matter and Structure of Atom" in your W.E note book (02 Pages).

5. Plant at least 02 Medicinal Plant in Pots.

CLASS: VII

SUBJECT : ART

(1) Make a best of the west

(2) Make a paper collage art

HOLIDAY HOMEWORK OF LIBRARY
DURING SUMMER VACATION FOR THE ACADEMIC SESSION 2022-2023
CLASS VI-X

1. Know India- <https://knowindia.gov.in> – Students, you will find important information regarding our motherland India, which is the sole responsibility of us to be an awakened citizen of India.
2. Book Review of the Story Books issued from Library. Write the Review of the Story in Library Copy.

SUMMER VACATION ASSIGNMENT/HW 2022-23

Class- VIII
Subject- Maths

INSTRUCTIONS:

- *Read all the questions carefully before solving. Write the solution of questions in Mathematics homework notebook.*
- *Complete the project in neat and clear hand writing and attractive in your Homework notebook.*

Section A (Questions)

- 1) Learn multiplication tables from 1 to 20.
- 2) Learn counting numbers in Hindi from 1 to 100.
- 3) Learn squares of the numbers from 2 to 25 .
- 4) What properties, the following expressions show?
(Associative/commutative/closure/distributive property)

(i) $\frac{2}{3} + \frac{4}{5} = \frac{4}{5} + \frac{2}{3}$ $A+(B+C)=(A+B)+C$

$$(ii) \frac{1}{3} \times \left(\frac{2}{3} + \frac{5}{2} \right) = \frac{1}{3} \times A \quad A \times (B+C) = A \times B + A \times C$$

(iii) for two rational numbers a and b , **a+b** is also a rational number.

5) If $a = 12$, $b = 34$, verify the following:

(i) $a \times b = b \times a$

(ii) $a + b = b + a$

6) Check which of following are rational numbers:

$$(i) 0.67, \quad (ii) -\frac{1}{2} \quad (iii) 0 \quad (iv) \frac{7}{0} \quad (v) 2\frac{3}{5}$$

7) Find the reciprocal of the following rational numbers:

(a) $-3/4$ (b) 0 (c) $6/11$ (d) $5/-9$

8) Find five rational number between $1/3$ and $1/2$

9) Multiply $5/8$ by the reciprocal of $-3/8$

10) Write any 5 rational numbers between $-5/6$ and $7/8$.

11) Do as directed:

(i) Add $2/5$ and $-3/7$

(ii) Subtract $3/8$ from $-4/7$

(iii) Multiply $6/5$ and $17/13$

(iv) Divide $\frac{4}{9}$ by $-\frac{13}{12}$

12) Represent following rational numbers on number line separately:

(a) $-\frac{3}{4}$ (b) $\frac{4}{5}$ (c) $\frac{6}{11}$ (d) $\frac{5}{-9}$

13) Evaluate:

$$(i) \frac{2}{3} + \frac{4}{5} \times \frac{7}{5} - \frac{8}{3} \qquad (ii) \frac{-7}{3} \div \frac{4}{5} \times \frac{7}{5} + \frac{8}{3}$$

Section B (Project/CCT)

14) Make a project on “ importance of Mathematics in real world .”

15) **CCT QUESTION:**

MATHEMATICAL UNIT 1: SWEET SHOP

Three friends Ram, Rahim and David went to “RADHEY SWEET MART” to purchase some sweets, namkin and cold drinks for New year party. The following chart shows the price and available stock of sweets and namkin in the shop.

S.NO.	SWEETS AND NAMKIN	AVAILABLE STOCK	PRICE
1	SWEET LADDU	10 Kg	₹ 400 per Kg
2	JALEBI	8 Kg	₹ 360per Kg
3	BARFI	7 Kg	₹ 300 per Kg
4	MIX-NAMKIN	100 packets	₹ 80 per packet
5	POTATO CHIPS	80 packets	₹ 30 per packet
6	COLD DRINKS	50 Bottles	₹ 50per bottle
7	ROASTED DRY FRUITS	12 Kg	₹ 1000 per Kg

Question 1.1: After purchasing 500gm of sweet laddu, jalebi and barfi each, Ram had ₹150 left with him. How much money does Ram had before the purchase? Show your work.

Question 1.2: Ram wants to purchase one packet of Mix-Namkin and two packets of potato chips with the remaining ₹150. Explain whether he can purchase it or not.

Question 1.3: Rahim had ₹200 and wants to purchase one packet of Mix-Namkin, one packet of potato chips, 250gm Sweet laddu and one bottle of cold drink. But due to insufficient money he had to reduce the quantity of one of the item. Find out the name of that item along with reason.

Question 1.4: David had ₹250 and wants to purchasethose items which were not purchased by his friends. Choose the correct list of items he will purchase.

- (i) Jalebi
- (ii) Roasted Dry fruits
- (iii) Barfi
- (iv) Potato chips

CLASS VIII SCIENCE

1. Revise ch-1 and 2.
2. Gather information about what kind of crops majorly grown in India.
3. List and draw various tools used in agriculture.
4. Write short notes on these topics:-
 - (a) Water harvesting
 - (b) Ozone layer
 - (c) Population
 - (d) Greenhouse effect
 - (e) Global warming

5. Draw labelled diagram of the following:-
- (a) The solar system
 - (b) Nitrogen cycle
 - (c) Position on endocrine glands in the human body
 - (d) Human ear
 - (e) Male and female reproductive system
6. Make a chart or model.

CLASS-VIII SOCIAL SCIENCE

1. What do you mean by separation of power?
2. What is parliamentary form of government?
3. What is fundamental right?
4. What do you mean by archives?
5. What are differences between evergreen forest and deciduous forest?
6. Write a note on battle of Plessey?
7. Who was Mir Zafar?
8. How many types of resources are there?

PROJECT WORK

Make scrapbook/project/wall magazine on “Collection of Patriotic Songs, Paintings, Slogans, News used by the local freedom fighters and unsung heroes during the freedom struggle of India From.”

CLASS – 8

ENGLISH

1. Write the summary of the following Chapters

- The Best Christmas Present In The World
- The Ant And The Cricket
- The Tsunami

- How The Camel Got His Hump

2. The following words have different meanings though spelt in the same way. Use each of them in two separate sentences to illustrate this.

(i) feet (ii)left (iii) park

3. MESSAGE WRITING

Varun's tuition teacher called up to inform that he has cancelled his tuition class on Wednesday. Varun's mother Mrs. Vinita Singh received the call as Varun was not at home. Now as Mrs. Vinita Singh write the message for Varun, as you are going for shopping.

4. Write a self-composed poem on the theme 'Health is wealth'

5. Write two Paragraphs on.

i. Punctuality

ii. My hobby

SUBJECT : SANSKRIT

CLASS VIII

- 1) धातुरूपलेखनं कण्ठस्थीकरणं च : भू , पठ् , गम् , स्था (पञ्च- लकारेषु)
- 2) शब्दरूपलेखनम् कण्ठस्थीकरणं च : अस्मद् , युष्मद् , किम् , मातृ , पितृ , राजन्
- 3) संस्कृते संख्यावाचकान् लिखत , कण्ठस्थीकरणं च (01 से 100 तक)
- 4) लट्-लकारे प्रथमपुरुषे, मध्यमपुरुषे, उत्तमपुरुषे च 5+5+5=15 वाक्यानि लिखन्तु। तेषां वाक्यानां च लृट्-लकारे लङ्-लकारे च परिवर्तनं कुर्वन्तु।
- 5) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम्(01 page) अवश्यं पठन्तु ।
- 6) प्रथमपाठस्य श्लोकान् स्मृत्वा स्वपुस्तिकायां लिखत।

7) सन्धिविच्छेदयत।

- कस्मिंश्चित् =
- इतस्ततः =
- किञ्चिदपि =
- कोऽपि =
- अत्रैव =
- बहिरागता =
- अस्तीति =
- यन्मया =
- कृतोऽस्ति =
- एतच्छ्रुत्वा =
- साधिवदम् =
- अन्येऽपि =
- तदहम् =
- करोत्यनागतम् =

8) छात्रप्रतिज्ञां लिखित्वा स्मरन्तु। (In Sanskrit)

9) विद्यालयप्रार्थनां लिखित्वा स्मरन्तु।- (In Sanskrit)

Instructions:

- All questions are compulsory.
- Answers should be written in the HW Sanskrit Note Book.
- Neat works are always appreciated.

*****All the Best*****

विषय – हिन्दी ,कक्षा – 8

निर्देश:-सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में करेंगे।

- वसंत ऋतु में आने वाले त्योहारों की सूची बनाकर किसी 1 पर अनुच्छेद लिखिए ।
- आपके मनपसंद कविता की कोई चार पंक्तियां लिखिए ।
- आपको छुट्टियों में किसके घर जाना अच्छा लगता है और क्यों ?

4.आज भी बाजार में हाथ से बनी हुई चीजें मिलती हैं उनकी सूची बनाइए।

5.यदि बस जीवित प्राणी होती और वह बोल सकती तो वह अपना कष्ट किन शब्दों में व्यक्त करती

6. अपने मित्र को जन्मदिन की शुभकामना देते हुए एक पत्र लिखिए।

Subject : W.E
CLASS- VIII

1.Make 02(Two)Projects (01 Working Model and 01 Decorative Item) from the given You Tube

Links in the Class What's app Group.

2.Make an Indigenous Toy using- either Waste Paper or Clothes or Cotton or Wool etc.

3.Learn and Understand all the Class Notes .

4.Write a Note on "Electric Shock Treatment" in your W.E note book (02 Pages).

5.Plant atleast 02 Medicinal Plant in Pots.

SUBJECT ART
Class VIII

- (1) Make a best of the west
- (2) Make a paper collage art

HOLIDAY HOMEWORK OF LIBRARY
DURING SUMMER VACATION FOR THE ACADEMIC SESSION 2022-2023

CLASS VI-X

1. Know India- <https://knowindia.gov.in> – Students, you will find important information regarding our motherland India, which is the sole responsibility of us to be an awakened citizen of India.

2. Book Review of the Story Books issued from Library. Write the Review of the Story in Library Copy.

SUMMER VACATION ASSIGNMENT/HW (2022-23)

CLASS- IX SUBJECT- MATHEMATICS

INSTRUCTIONS:

- Read all the questions carefully before solving. Write the solution of questions in Mathematics homework notebook.
- Complete the project separately on A4 sheets in neat and clear hand writing and attractive.
- Write your name, class and section clearly at the front cover page of project file.

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. Classify the following numbers as rational or irrational with justification

(i) $\sqrt{196}$

(ii) $3\sqrt{18}$

(iii) $\sqrt{\frac{9}{27}}$

(iv) $\frac{\sqrt{28}}{\sqrt{343}}$

(v) $-\sqrt{0.4}$

(vi) $\frac{\sqrt{12}}{\sqrt{75}}$

(vii) 0.5918

(viii) $(1+\sqrt{5}) - (4+\sqrt{5})$

(ix) 10.124124...

(x) 1.010010001...

3. Do as directed

- (a) Multiply: $x^3 - 3x^2 + 5x - 3$ by $x - 2$.
- (b) Add : $5x^3 - x^2 + 7x - 3$ and $7x^3 - 3x^2 - 32$
- (c) Subtract: $x^3 - 3x^2 - 39$ from $14x^3 - 3$

4. Find three rational numbers between

- (i) -1 and -2
- (ii) 0.1 and 0.11

5. Find three irrational numbers between

- (i) $\frac{5}{7}$ and $\frac{6}{7}$
- (ii) $\frac{1}{4}$ and $\frac{1}{5}$

6. Locate $\sqrt{5}$, $\sqrt{9.2}$ and $\sqrt{7}$ on the number line.

7. Express the following in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$

- (i) 0.2
- (ii) 0.888...
- (iii) 5.2323...
- (iv) 0.001
- (v) 0.2555...

8. Determine the degree of each of the following polynomials.

- (i) $2x - 1$
- (ii) -10
- (iii) $x^3 - 9x + 3x^5$
- (iv) $y^3(1 - y^4)$

9. Which of the following expressions are polynomials? Justify your answer:

(i) 8

(ii) $\sqrt{3}x^2 - 2x$

(iii) $1 - \sqrt{5x}$

(iv) $\frac{1}{5x^{-2}} + 5x + 7$

(v) $\frac{(x-2)(x-4)}{x}$

(vi) $\frac{1}{x+1}$

(vii) $\frac{1}{7}a^3 - \frac{2}{\sqrt{3}}a^2 + 4a - 7$

(viii) $\frac{1}{2x}$

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

11. Simplify

(i) $(1^3 + 2^3 + 3^3)^{\frac{1}{2}}$

(ii) $\left(\frac{3}{5}\right)^4 \left(\frac{8}{5}\right)^{-12} \left(\frac{32}{5}\right)^6$

(iii) $\left(\frac{1}{27}\right)^{-\frac{2}{3}}$

(iv) $\left[\left((625)^{-\frac{1}{2}}\right)^{-\frac{1}{4}}\right]^2$

(v) $\frac{9^{\frac{1}{3}} \times 27^{-\frac{1}{2}}}{3^{\frac{1}{6}} \times 3^{-\frac{2}{3}}}$

(vi) $64^{-\frac{1}{3}} \left[64^{\frac{1}{3}} - 64^{\frac{2}{3}} \right]$

(vii) $\frac{8^{\frac{1}{3}} \times 16^{\frac{1}{3}}}{32^{-\frac{1}{3}}}$

Section B (project work/activities)

12. Make a project on the title “ **π - WORLD'S MOST MYSTERIOUS NUMBER**”

13. Perform following activities and write in activity notebook:

- **Activity 1: OBJECTIVE** : To construct a square-root spiral upto atleast $\sqrt{23}$ ”
- **Activity 2: OBJECTIVE** : To verify the algebraic identity :
 $(a+b)^2 = a^2 + 2ab + b^2$

14. CCT QUESTIONS

Semi Prime Numbers

A natural number that can be expressed as a product of two prime numbers is called **semi-prime** number.

For example, 77 is semi-prime since it is a product of two prime numbers, 7 and 11.

[Remember that 1 is not prime.]

Question 1. Find the smallest semi-prime number.

Question 2. Two consecutive numbers from 10 to 25 which are semi-prime _____.

- a) 20 and 21
- b) 14 and 15
- c) 15 and 16
- d) 22 and 23



gg105379735 www.gograph.com

Question 3. Two numbers are said to be co-prime if their HCF is 1. Match the Pair of numbers given in column X with their corresponding properties in Column Y by drawing lines.

Column X

- A. (77, 33)
- B. (75, 88)
- C. (69, 77)
- D. (56, 63)

Column Y

- 1. co primes as well as semi primes
- 2. Neither semiprime nor coprime
- 3. semiprime but not coprime
- 4. coprime but not semiprime

CLASS IX SCIENCE

- 1. Learn Chapters 1 and 2**
- 2. Life history of Any 6 scientists (3 Indian, 3 foreign)**
- 3. Draw labelled diagram :**
 - A. Animal cell**
 - B. Plant cell**
 - C. Nitrogen cycle**
 - D. Carbon cycle**
 - E. Oxygen cycle**
- 4. Differentiate between solid, liquid and gas on the basis of size, shape, volume Compressibility, rigidity, kinetic energy, liquidity, space between particles, attraction between particles etc.**
- 5. Write short notes on these topics:**
 - A. Green House effect**
 - B. Ozone layer**
 - C. Global warming**
 - D. Population**
 - E. Water harvesting**

6. Make a chart.

CLASS-IX SOCIAL SCIENCE

1. The central location of India at the head of the Indian Ocean is considered of great significance. Why?
2. What are non-farming activities of village Palampur?
3. What are factors of production?
4. What is democracy?
5. What is reign of terror?
6. What were the reasons of French Revolution?
7. Why time is measured from 82 ½° longitude in India?
8. What are neighboring countries of India?
9. How electricity helps people of Palampur?
10. What is tithe and taille?

PROJECT WORK

Make scrapbook/project/wall magazine/ppt on “Historical monuments of Madhya Pradesh and Assam.”

CLASS – 9 A ENGLISH

1. Write the summary of the following Chapters

- The Fun They Had
- The Road Not Taken
- The Lost Child
- The Sound of Music

2. The following words have different meanings though spelt in the same way. Use each of them in two separate sentences

(i) watch (ii) tie (iii) rose

3. Write a Diary Entry , about the feelings that came to your mind , the day Lockdown was declared by our Prime Minister Shri Narendra Modi.

4. (verb – tenses)

(a) In the following passage, fill in each of the numbered blanks with the correct form of the word given in brackets

Example: Suraj (0) looked (look) out of the door.

He (1) _____ (catch) sight of the board (2) _____ (bear) the station's name. He was so (3) _____ (astonish) that he almost (4) _____ (fall) out of the compartment. He was back in his home town! After (5) _____ (travel) for forty or fifty kilometers, here he (6) _____ (is) home again. He (7) _____ (can) not understand it. He (8) _____ (climb) out of the compartment slowly.

5. One day you dreamt that you became invisible. Write a short story based on your dream taking help from the points given below:

I did Shopping without using any money---watch movies--- travel the whole world without ticket---visit famous places- meet famous people--- disclose the planning and secrets of terrorists to police help them to nab the most dreaded terrorist of the world – finally I was rewarded a cash prize of one crore.

CLASS IX (SANSKRIT)

- 1) पाठ्यक्रमस्थधातुरूपलेखनं कण्ठस्थीकरणं च ।-
- 2 शब्दरूपलेखनम् कण्ठस्थीकरणं च -पाठ्यक्रमस्थ (।
- 3 (पञ्चअनुच्छेदानां प्रश्नोत्तरलेखनम् ।-अपठित-
- 4) पञ्चचित्रवर्णनम् कुरुत । -
- 5) पञ्चपत्रलेखनम् । -
- 6) 50 सरलहिन्दीवाक्यानां संस्कृते अनुवादः।
- 7) स्वरसन्धे उदाहरणानि लिखत :। (प्रत्येकस्य कृते दश उदाहरणानि (
- 8) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम् (01 page) अवश्यं पठन्तु ।

Instructions:

- i) All questions are compulsory.
- ii) Answers should be written in the HW Sanskrit Note Book.
- iii) Neat works are always appreciated.

विषय – हिन्दी ,कक्षा – 9

निर्देश:-सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में करेंगे।

- 1.किसान के जीवन पर 100 शब्दों में एक अनुच्छेद लिखिए ।
- 2 अपने क्षेत्र में होने वाली फसलों की जानकारी एकत्रित करके लिखिए ।
- 3.अपनी किसी एक यात्रा का संक्षिप्त वर्णन लिखिए
- 4 कबीर दास जी के कौन से पद आपको अच्छे लगे हैं और क्यों उनको लिखिए
- 5.किसी समाज सुधारक पर एक लेख लिखिए ।
- 6.किसी एक स्वतंत्रता सेनानी का सचित्र वर्णन कीजिए ।
- 7.अपने बड़े भाई की शादी में शामिल होने के लिए तीन दिन की छुट्टी हेतु प्राचार्य को एक पत्र लिखिए ।
- 8.अपनी पाठ्यपुस्तक से उपसर्ग एवं प्रत्यय वाले 10-10 शब्द खोजकर लिखिए ।

केन्द्रीय विद्यालय पांचग्राम

ग्रीष्मकालीन अवकाश गृह कार्य

Subject : W.E

CLASS- IX

1. Make 02(Two) Projects (01 Working Model and 01 Decorative Item) from the given You Tube

Links in the Class What's app Group.

2. Make an Indigenous Toy using- either Waste Paper or Clothes or Cotton or Wool etc.

3. Learn and Understand all the Class Notes .

4. Write a Note on "CIRCUIT BREAKERS , their Types, Working Principles and Related

Diagrams" in your W.E note book (03 Pages).

5. Plant atleast 02 Medicinal Plant in Pots .

Class IX ART

(1) Make a best of the west

(2) Make a greeting card on welcome

HOLIDAY HOMEWORK OF LIBRARY

DURING SUMMER VACATION FOR THE ACADEMIC SESSION 2022-2023

CLASS VI-X

1. Know India- <https://knowindia.gov.in> – Students, you will find important information regarding our motherland India, which is the sole responsibility of us to be an awakened citizen of India.

2. Book Review of the Story Books issued from Library. Write the Review of the Story in Library Copy.

SUMMER VACATION ASSIGNMENT/HW (2022-23)

CLASS- X **SUBJECT- MATHEMATICS**

INSTRUCTIONS:

- *Read all the questions carefully before solving. Write the solution of questions in Mathematics homework notebook.*
- *Complete the project separately on A4 sheets in neat and clear hand writing and attractive.*
- *Make a cover page for project mentioning your name, class and roll number clearly.*

Section A (Questions)

15. Check whether $75/455$ is terminating or non-terminating decimal expansion.
16. Check whether $654.737373...$ is a rational number. Justify.
17. A polynomial of degree 2 is called ----- polynomial. (Cubic/ quadratic/ linear)
18. $\sqrt{25}$ is a -----number. (rational/irrational)
19. Find the p/q form of $0.09999....$
20. Find the H.C.F. of 567 and 255 using Euclid's division lemma.
21. Find the LCM and HCF of 510 and 92 and check whether $\text{LCM} \times \text{HCF} = \text{product of the given numbers}$.
22. Find the degree of :
(i) $6x^3 - 7x - 3$ (ii) $4x^4 - 3x^5 - 4x + 1$ (iii)

23. If $p(x) = x^3 - 3x^2 + 5x - 3$. find $p(2)$, $p(-1)$.
24. Prove that $\sqrt{3}$ is an irrational number.
25. Prove that $2 - 7\sqrt{3}$ is an irrational number.
26. Factorize the following polynomials:
- i. $4x^2 - 3x - 1$
 - ii. $3x^2 + 4x - 4$
 - iii. $5t^2 + 12t + 7$
27. Prepare a table representing different solids and their names, surface areas and Volumes formulas.

Section B (project work/activities)

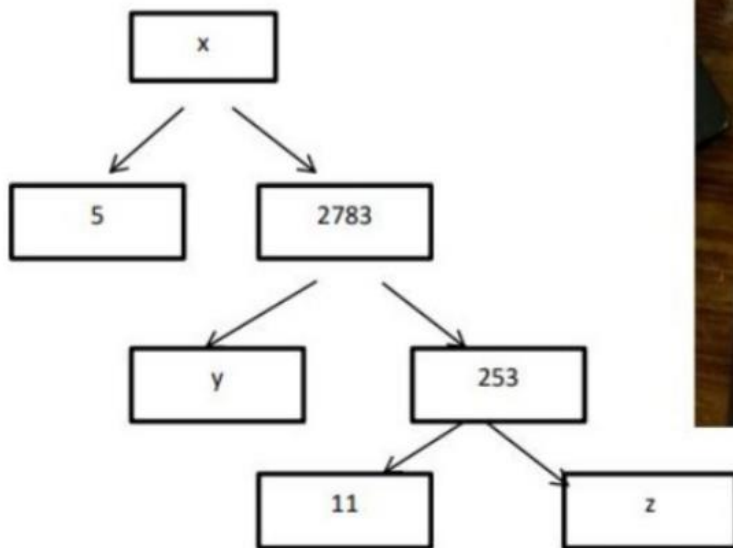
28. Make a project on the title “ π - WORLD'S MOST MYSTERIOUS NUMBER”
29. Perform following activities and write in activity notebook:

Activity 1: OBJECTIVE : To give a suggestive demonstration of the formula that the area of circle is half the product of its circumference and radius.

Activity 2: OBJECTIVE : To Derive the formula for Volume of a cube and cuboid using model and verify with example and calculation.

30. CCT QUESTIONS

(i) A mathematical Exhibition is being conducted in your school and one of your friends is making a model of a factor tree. He has some difficulty and ask for your help in completing a quiz for the audience. Observe the following factor tree and answer the following.



- i. What will be the value of x?
a) 15005 b) 13915 c) 56920 d) 17429
- ii. What will be the value of y?
a) 23 b) 22 c) 11 d) 19
- iii. What will be the value of z?
a) 22 b) 23 c) 17 d) 19
- iv. According to Fundamental Theorem of Arithmetic, 13915 is a.
a) Composite number b) Prime number
c) Neither prime nor composite d) Even number
- v. The prime factorisation of 13915 is
a) $5 \times 11^3 \times 13^2$ b) $5 \times 11^3 \times 23^2$ c) $5 \times 11^2 \times 23$ d) $5 \times 11^2 \times 13^2$

(ii)

Four satellites revolve around the earth once every 6, 8, 10, and 15 hr, respectively. If the satellites are initially lined up, how many hours must pass before they will again be lined up?



(iii)

The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 AM, at what time will they change simultaneously again?



(iv)

A tile floor is to be made from 10 inch, 12 inch, and 15 inch square tiles. A design is made by alternating rows with different size tiles. The first row uses only 10 inch tiles, the second row uses only 12 inch tiles, and the third row uses only 15 inch tiles. Neglecting the grout seams, what is the shortest length of floor space that can be covered evenly by each row?



CLASS X

SCIENCE

1. Write and practices all type of reaction with five example of each?

2. Draw labelled diagram of each of the following:

- * Human digestive system
- * Nutrition in Amoeba
- * Human respiratory system
- * Heart (Internal and External structure)
- * Nephron
- * Reflex arc
- * Human brain
- * Endocrine glands of human being
- * Flower
- * Male Reproductive system
- * Female Reproductive system

3. Write a short report on the following:-

- * Fossil fuels
- * Food chain and web
- * Eco system
- * Water harvesting

CLASS-X

SOCIAL SCIENCE

1. Define life expectancy, per capita income and literacy rate?
2. Define infant mortality rate and net attendance ratio?
3. Write the process of German unification?
4. Write the process of Italian unification?
5. What were Marianne and Germania?
6. Write provisions of Napoleonic Code of 1804?
7. Write in detail about forms of power sharing?
8. What is Belgian Model?
9. What are types of resources? Write in detail.
10. Write in detail about types of soil?

PROJECT WORK

Make scrapbook/project/wall magazine on “Collection of Patriotic Songs, Paintings, Slogans, News used by the local freedom fighters and unsung heroes during the freedom struggle of India from.”

CLASS - 10

ENGLISH

1. Write the summary of the following Chapters

- A Letter To God
- Dust Of Snow
- Fire And Ice
- A Triumph of Surgery

2. The following words have different meanings though spelt in the same way.
Use each of them in two separate sentences

(i) peer (ii) right (iii) leaves

3. (verb – tenses)

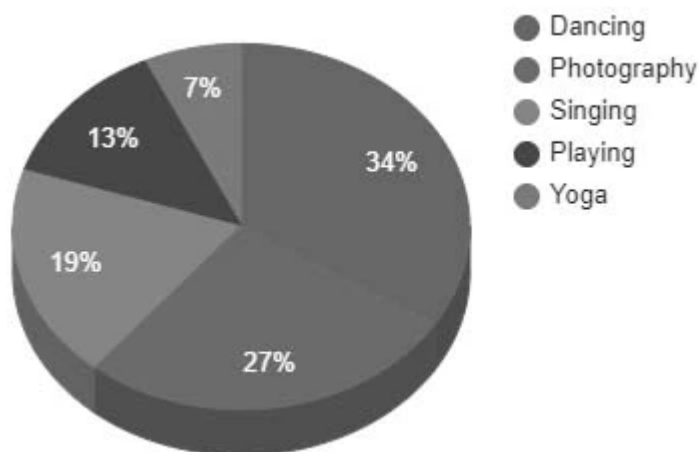
(a) In the following passage, fill in each of the numbered blanks with the correct form of the word given in brackets

Example: (0) I _____ (slow) the car as I saw the new house.

Answer: slowed.

I _____ (1)(pull) up into the driveway _____ (2)(observe) the way they had _____ (3)(build) up the balcony. I _____ (4)(forgot) that the bricks of the house _____ (5)(be) chocolate brown. The new people _____ (6)(make) the tiny balcony into a study room. I _____ (7)(stare) at this house _____ (8)(remember) my childhood there.

4. The given pie chart shows the data on hobbies of students during summer vacations. Write an analytical paragraph in 100-120 words to analyze the data.



5. Everyday you are late to school by fifteen minutes. Your school bus is stuck in a traffic jam near Shiv Temple crossing. Along with own ideas, write a letter to the editor of a The Editor, The Hindustan Times, New Delhi highlighting this problem and suggesting some remedy for it.

विषय – हिन्दी ,कक्षा – 10

निर्देश:-सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में करेंगे।

- 1.गोपियों की जगह आप होते तो अपना तर्क किस प्रकार देते ?
- 2.किसी एक स्वतंत्रता सेनानी का सचित्र वर्णन कीजिए ।
3. गोस्वामी तुलसीदास का साहित्यिक जीवन परिचय लिखिए ।
- 4.सूरदास जी की प्रमुख रचनाओं के बारे में संक्षेप में लिखिए ।
- 6.वर्तमान समय में कोरोना की भयावह स्थिति पर एक अनुच्छेद लिखें ।
- 7.राम और लक्ष्मण की तीन –तीन विशेषताएं लिखिए ।
- 8.आप से किसी महापुरुष की मूर्ति लगाने के लिए कहा जाए तो आप किसकी मूर्ति लगाएंगे, और क्यों ?

CLASS X (SANSKRIT)

- 1) अनुच्छेदानां प्रश्नोत्तरलेखनम् ।-अपठित-पञ्च (
- 2) पञ्चचित्रवर्णनम् कुरुत । -
- 3) पञ्चपत्रलेखनम् । -
- 4) 50 सरलहिन्दीवाक्यानां संस्कृते अनुवादः ।
- 5) पाठ्यक्रमस्थ अव्ययपदानाम् अर्थं लिखित्वा वाक्यानि रचयत ।
- 6) प्रतिदिनं संस्कृतपाठ्यपुस्तकस्य एकं पृष्ठम्(01 page) अवश्यं पठन्तु ।
- 7) समयलेखनम्- -:

(क)

(i) पुरुषोत्तम एक्सप्रेस इति रेलयानं-
_____ (9:30) वादने पुरीतः
प्रस्थानं करोति।

(ii) चेतक एक्सप्रेस इति रेलयानं-
_____ (4:45) वादने
दिल्लीम् आगच्छति।

(iii) हावड़ा एक्सप्रेस-_____
(11:00) वादने हावड़ास्थानकं
प्राप्नोति।

(iv) रेलयानमेकं _____
(8:15) उत्तराञ्चलं प्रति गच्छति।

(ख)

(i) राहुलः प्रातश्चमणाय
_____ (6:15) वादने उद्यानं
गच्छति।

(ii) मल्लिका _____ (7:30)
वादने प्रातराशं करोति।

(iii) अनन्या _____ (5:45)
वादने क्रीडति।

(iv) सर्वे _____ (10:00)
वादने शयनं कुर्वन्ति।

Instructions:

- i) All questions are compulsory.**
- ii) Answers should be written in the HW Sanskrit Note Book.**
- iii) Neat works are always appreciated.**

Subject: W.E
CLASS- X

1. Make 02(Two)Projects (01 Working Model and 01 Decorative Item) from the given You Tube Links in the Class What's app Group.
2. Make an Indigenous Toy using- either Waste Paper or Clothes or Cotton or Wool etc.
3. Learn and Understand all the Class Notes .
4. Write a Note on "Thermal Power Plant and Nuclear Power Plant with special focus on their i) Working Principles, Locations and Line Diagrams" in your W.E note book .
- 5.Plant at least 02 Medicinal Plant in Pots .

Class X
ART

- (1) Make a best of the west
- (2) Make a greeting card on welcome

HOLIDAY HOMEWORK OF LIBRARY
DURING SUMMER VACATION FOR THE ACADEMIC SESSION 2022-2023
CLASS VI-X

1. Know India- <https://knowindia.gov.in> – Students, you will find important information regarding our motherland India, which is the sole responsibility of us to be an awakened citizen of India.
2. Book Review of the Story Books issued from Library. Write the Review of the Story in Library Copy.