KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)
SUMMER VACATION HOMEWORK SESSION (2023-2024)

CLASS – VI

<u>DEAR PARENTS/STUDENTS,</u>

Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).

SUBJECT : ENGLISH

Q.1 Would you like to be Patrick? Why ? Why not?

Q2. Write a story based on the picture.

The Greedy Dog

Q.3 Rearrange these sentences.

1. big/look/at/elephant/the.

2. who/house/that/near/lives/in/the/forest?

3. honey/a/makes/bee/sweet.

4. play/will/you/me/with?

5. ohl/A brown/a/with/chick/hen.

6. the/is/in/the/box/ball.

7. i/to/play/cricket/in/the/park/like.

8. to/jog/not/run/we/like.

9. we/went/by/bike/the/park/on/sunday/to.

10. is/a/tall/oak/tree/this.

11. plants/for/use/photosynthesis/carbon dioxide.

12. solar energy/also/used/is/heat/to/water.

Q.4 Read the following sentences and identify the common or proper nouns in them.

1.I gave my book to Riya to read.

2.The Taj Mahal in India is very beautiful.

3.Red Riding Hood met the fox in the forest.

4.Mr Tony Stark walks his dog everyday.

5.The boy ran to his mother.

6.The flat was in the middle of Lenin Street.

7.The reporter went to Noida to collect news.

8,This milk tastes sour.

9.Rose is a beautiful girl.

10.I have read the novel by Emily Bronte.

11.King Arthur was a noble king.

12.The author wrote a crime novel.

13.The captain steered the ship from hitting the iceberg.

14.The old judge passed a unique judgement.

15. The Milky Way is a big galaxy.

Q.5 Find at least three synonyms for these words.
1. Fantastic
2. Real
3. Find
4. Loud
5. Peak

विषय – हिन्दी

सभी विद्यार्थी यह कायय ग्रीष्मकालीन अिकाश मेंकाययफाइल मेंकरेंगे।

1.चिड़िया केअलाꞏ आपको कौन – सा पक्षी अच्छा लगता है? उसका चित्र बनाइए |

2.आपकेआसपास खानेमेंकौन – कौन सेव्यांजन प्रिललत है

उनकी सू

ची बनाइए |

3.अपने बिपन की कोई मनमोहक घटना को विस्तार से लिखखए|

4.के शि और श्यामा की तरह आपको ककसके बारे में जाननेकी इच्छा हैऔर क्यों ?

5.अपनी ब्री बहन को गमी की छुट्टटयाँ कैसे बीती बताते हु

ए पत्र ललखखए |

6. बाल रामकर्था केआधार पर राम–लक्ष्मण की विशेषताएंललखखए|

7. सियनाम शब्दों का प्रयोग करते हु

ए 5 वाक्य बनाइए |

8.िसांत भाग-1 एंबाल राम कर्था केपाठ 1 से5 पढें। पढते समय अपने साथ पेन्न्द्सल

रखेंएंकदठन शब्दि जो आपको नहींआते उसेअंडर लाइन करेंएंअपनी फाइल में

लाईन लिलेपष्

ृठ पर 5-5 बार सु

न्द्िर - सु

न्द्िर सु

लखे केरूप मेंललखें।

SUBJECT: MATHEMATICS

1. Fill in the blanks:
    (a) 1 million=……lakh.
    (b) The two digit largest whole number is…..
    (c) The successor of the largest of the 2 digit number is…….
    (d) The smallest prime number is……

2. Which of the following statements are true(T) and which are false(F)?
    (a) 1 is the smallest whole number.
    (b) 600 is the successor of 599.
    (c) If a number is divisible by 3, it must be divisible by 9.
    (d) All natural numbers are whole numbers.

3. Write the roman numerals for: (i) 38   (ii) 59.

4. A student multiplied 7236 by 65 instead of multiplying by 56. How much was his answer greater than the correct answer?

5. Find the difference between the greatest and the least number that can be written using the digits 6,2,7,4,3 each only once.

6. A vessel has 4 litres and 500ml of curd. In how many glasses, each of 25ml capacity, can it be filled?

7. Estimate each of the following using general rule:

3

      (a) 728+996

      (b) 796 – 314

8. Write the three whole numbers occurring just before 10001.

9. Write the successor of: (a) 254670   (b) 100199

10. Find the value of:

      (a) 298X17 + 298X3

      (b) 71264X169 – 71264X69

11. A vendor supplies 32 litres of milk to a hotel in the morning and 68 litres of milk in the evening. If milk costs Rs. 15 per litre, how much money is due to the vendor per day?

12. Find using distributive property:

      (a) 628X101

      (b) 5247X1001

13. Write all the factors of (a) 27   (b) 36.

14. Write the first five multiples of 12.

15. Write seven consecutive composite numbers less than 100 so that there is no prime between them.

16. Write five pairs of prime numbers less than 20 whose sum is divisible by 5.

17. Find the common factors of:

      (a) 20 and 28   (b) 35 and 50.

18. Write and learn the tables from 2 to 20.

19. For her school science project Shreya performed an experiment in science lab. She prepared a report where she got different values of freezing points of some gases and her report was characterized into two categories that was degree Celsius and degree fahrenheit. The given table shows the freezing points in (°F) of different gases at sea level.

| Gases	Freezing point at sea level(°F)	Freezing point at sea level(°C)
Hydrogen	-435	
Krypton	-251	

Oxygen	-369	
Helium	-458	
Argon	-309	

Q.1 Using the above table, list the gases in decreasing order according to their freezing point at sea level.

Q.2 Convert each into (°C) using the relation. C=5/9 (F-32).

Q.3 Which one of the gas has lowest temperature.

20. One day Rohit went to the market for brought a water tank for his home. Then he got a water tank for his house capacity 450 litres. He filled the tank to its brim. After one hour he noticed that the quantity of water has decreased due to a small hole in the tank. He observed the tank for next two hours and found out that quantity of water is decreasing at the rate of 9 litres every hour.
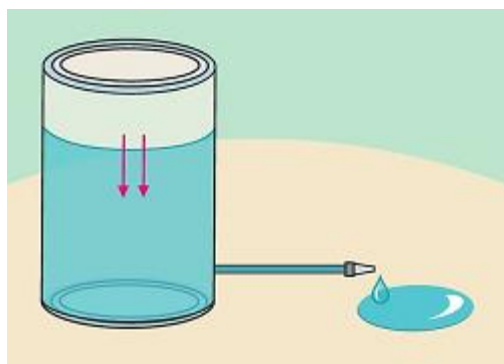
Q.1 What will be the quantity of water in the tank after 10 hours.

Q.2 After how many hours the tank would be empty?

Q.3 What kind of precautions should we have taken to save the water?

SUBJECT : SCIENCE

1. Prepare a diet chart to provide balance diet to a 12 year old child. The diet chart should include food items which are not expensive and are commonly available in your area.

2. Write a poem on OBESITY.
3. Learn diseases caused by deficiency of vitamins and minerals.
4. From a large collection of materials , make groups of objects having different properties like transparency ,solubility in water and other properties.
5. Write a story with the help of these world- Transparaent, translucent and opaque.
6. Write down the process used to separate cream from milk.
7. Write down various methods of separation .
8. Draw diagrams of any two method of separation ,used in your home.

SUBJECT : SOCIAL SCIENCE

1. India is full of many diversities, which includes religion, castes, languages, culture, food, clothes, dances, land and climate, festivals and rituals write any 10 examples of these diversities with the help of pictures. भारत एक विभभन्नताओं का देश है जिसमे धममम, िातत भाषा खान-पान सस्कतत पहनािा स्थल एिं िलिाय इततहास और त्योहारों की विभभन्नताएं आदद शाभमल हैं। तस्िीरों की मदद से 10 विभभन्नताओं के उदाहरण भलखो। 2. Select any 2 regions of India and find out 5 differences between both regions with the help of pictures. भारत के ककन्हहं दो क्षेत्रों को चतनय एिं उनमें पाई िानेिािह 5 विभभन्नताएं तस्िीरों की मदद से भलखखए। 3. We know history through different sources like books, news papers manuscripts and inscriptions. [literary sources] and coins, potteries, utensils, buildings and images [archeological sources] collect any 10 pictures of these sources. हम इततहास को अनेक स्रोतों से पता लगाते हैं िैसे पस्तक, अखबार, पांड भलवप और अभभलेख [सादहत्यक स्रोत] और भसक्के, बतमन, मटके, इमारतें आदद[परातात्िक स्रोत] ककन्हहं 10 स्रोतों की तस्िीरें एकत्र कीजिए। 4. Moon is the natural satellite of earth in 15 days it has different sizes collect the pictures of these sizes. चंद्रमा पथ्िी का प्राकततक उपग्रह है िो अनेक आकारों में ददखता है, इन की तस्िीरें एकत्र करो। 5. Take 2 maps of India, on 1st map locate Bhimbetka, hunsgi and kurnool caves. In second map show Pakistan, china Nepal and Bhutan. भारत के दो मानचचत्र लो, पहले में इन

स्थानों को दशामइए; भीमबेटका, हसगी और करनल गफ़ाए। दसर में इन देशों को दशामइए; पाककस्तान, चीन नेपाल और भटान।

विषय- संस्कृत

1. पठ् और लिख धातु के लट् लकार (वर्तमान काल) में रूप लिखिये:- (सहायता पृष्ठ- 92)
2. निम्नलिखित सर्वनाम शब्दों के हिन्दी अर्थ लिखो ।

सः, तौ, ते,   एषः, एतौ, एते,   सा, ते, ताः,   एषा, एते, एताः

3. निम्न एकवचन कर्ताओं (subjects) को द्विवचन और बहुवचन मे बदलिये ।

यथा- पुल्लिंग- बालकः बालकौ बालकाः

स्त्रीलिंग- बालिका बालिके बालिकाः

छात्रः, गजः, शिक्षकः, दीपकः,

छात्रा, लता, गीता, लेखिका,

SUBJECT : AE

1. Make a toy by using waste material available.
2. Traditional painting- WORLI ART OF MAHARASHTRA
3. Still life- pencil shading
4. Poster Painting- My earth , Green earth.

SUBJECT : COMPUTER

(Do it in computer notebook)

1. Write a python coding to draw a triangle using turtle. (Refer page 9 Technofun book).

2. Write a python coding to draw a square using turtle. (Refer page 10 Technofun book).

3. Write a python coding to draw a rectangle using turtle. (Refer page 10 Technofun book).

4. Write a python coding to draw a star using turtle. (Refer page 11 Technofun book).

5. Write a python coding to draw a hexagon using turtle. (Refer page 11 Technofun book).

KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)
SUMMER VACATION HOMEWORK SESSION (2023-2024)

CLASS – VII

<u>DEAR PARENTS/STUDENTS,</u>

<u>Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).</u>

<u>SUBJECT : ENGLISH</u>

I. Activity

Talk to six friends and complete the following questionnaire.

Name of student   Favourite cartoon shows on TV   Reason for liking it   Frequency of watching it   Learning from the show

II. Write a creative story to go along with the picture.

(title)

Written by: (Your Name)

III. (i) Write a paragraph on 'Importance of Millets'.

(ii) Write a paragraph on any sport or sportsman from Sikkim.

IV.(i)Writa a paragraph / poem on 'Save Water'.

(ii)Write Slogans on 'Save Water'.

NOTE: Add pictures. Do it in file paper.

<u>विषय - हिंदी</u>

1. विशेषण की परिभाषा लिखते हुए, इसके प्रत्येक भेद के चार-चार वाक्य सहित उदाहरण लिखिये।

2. निम्नलिखित में से किसी एक पर सचित्र अनुच्छेद लिखें।

   मेरे दादा

   मेरी दादी

   मेरे नाना

   मेरी नानी

3. बीस-बीस पर्यायवाची तथा विपरितार्थक शब्द लिखें।

4. अभी तक पढ़ाये गए सभी पाठों से दस-दस पंक्ति का श्रुतलेख लिखें।

5. अवकाश हेतु प्रधानाचार्य जी को प्रार्थना पत्र लिखें।

SUBJECT : MATHEMATICS

1. 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

2. 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)** 6 is smaller than

3. 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

4. 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

5. 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.

6. On the following number line value, 'zero' is shown by the point
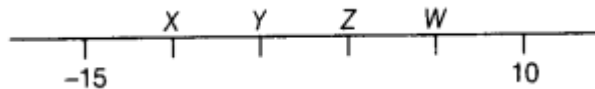
(a) X   **(b)** Y   **(c)** Z   **(d)** W

7. The value of 5 + (- 1) does not lie between
(a) 0 and -10   **(b)** 0 and 10   **(c)** – 4 and -15   **(d)** – 6 and 6

8 If ⊗, ○, ⊘ and • represent some integers on number line, then descending order of these numbers is

(a) •,⊗,⊘,○   (b) ⊗,•,⊘,○   (c) ○,⊘,⊗,•   (d) ○,•,⊗,⊘

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 lm 20cm high and a pulley afixed 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
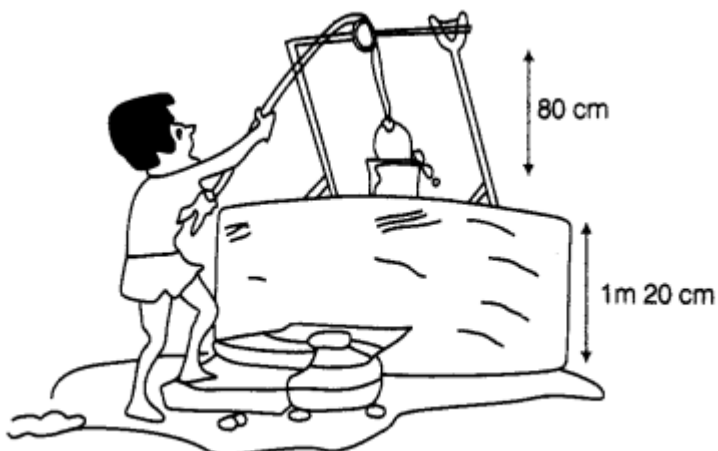
(a) 17 m   (b) 18 m   (c) 96 m   (d) 97 m

10.
Fill in the blanks: -
i. A fraction is a number which can be written in the form a/b, where a, b are _____numbers and b ≠ 0.
ii. If numerator and denominator of a fraction have no common factor other than 1, then the fraction is said to be in its_____ form.
iii. if cd=m×am×bcd=m×am×b ,then fractions abab and cdcd are called_____ fractions because they represent the _____portion of the whole.
iv. The value of the product of two proper fractions is_____ than each of the two fractions.
v. The product of two improper fractions is_____ than the two fractions.
vi. A fraction whose denominator is any of the numbers 10,000, 1000 etc, called a_____
vii. 11.5 ÷ _____ =1.
viii. If 312.5 ÷ 25 = 12.5, then value of 3.125 ÷ 25 is_____.
ix. The product of a proper and an improper fraction is_____ than the improper fraction and _____then the proper fraction.
x. When a decimal number is multiplied by 10,000 or 1000 the digits in the product are same as in the decimal number but the decimal point in the product is shifted to the _____by as, many of places as there are zeros over one.

11. State true / false.

i. A decimal fraction is a fraction where the denominator is 10 or higher power of 10.

ii. Every integer can be expressed as a fraction.

iii. Like decimals have the same number of decimal places.

iv. Natural numbers can be expressed as a proper fraction.

v. The reciprocal of 2727 is 7272

vi. The reciprocal of a proper fraction is a proper fraction.

vii. The reciprocal of an improper fraction is an improper fraction

viii. The product of 7 and 364364 is 31123112

12. A fruit seller buys 712 fruits, of which 3/4 are apples. Of all the apples that he bought, 1/3 were found to be rotten. If he sold all the good apples at Rs. 514514 each. How much money did he receive on selling all the good apples.

13. The picture interprets

a. 3×1/4   b. 3÷1/4   c. 1/4÷3   d. 3×3/4

14. The picture interprets

a. 4×1/4   b. 4÷1/4   c. 1/4÷4

PISA based question

15.

PIZZA

Riya, Teena and John are three friends. They meet after long time. They go to enjoy PIZZA together. While Riya wants capsicum and onion as toppings in her pizza, John wants mushroom and pepperoni and Teena wants to have black olives and capsicum. After much discussion they finally agree to have a combination of all the toppings with equal number of pieces of each type.
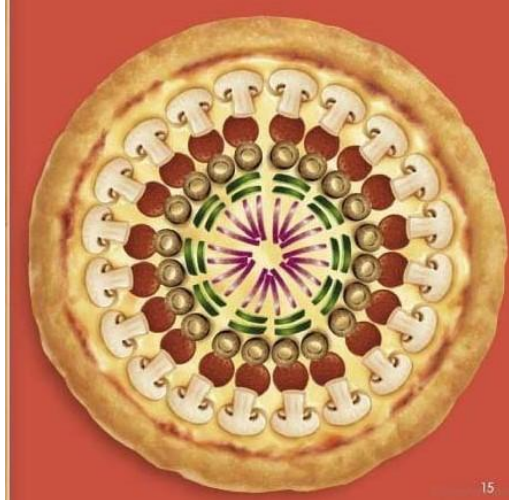
Q 1.   What is the fraction of mushrooms in all the toppings in this pizza?

Q 2.   If there are total 20 pieces of capsicum and fraction of capsicum pieces is 1/5 of total toppings, find the total number of pieces of all the toppings in the pizza.

Q 3.   Find the fraction of choice of Riya's toppings in Pizza.

Q 4.   What is the sum of fractions of all the five toppings?

16.   **ANIMAL SHELTER**

Priya is an animal lover. She loves animals and takes care of them whenever she gets time. She loves to spend her free time with them. There is an animal shelter near her house, which she visits regularly. In this shelter there are total 150 animals. 4/6 of these animals are cats .Of the cats ½ are male.

Q 1.   How many total cats are there in the shelter?

Q 2.   How many total female cats are there in the shelter?

Q 3.   What fractions of animals at the shelter are male cat?

Q 4.   What is the number of total animals other than cats in the shelter?

SUBJECT : SCIENCE

Answerthefollowing:

Q1.Explainsaprotrophicmodeofnutritionwith example

Q2.Writedowntheimportanceofglandsindigestion.

Q3.Writedownindetailthediseaseofdigestivesystem?

Q4.Writeashortnoteontoothdecay? Q5.Nametherawmaterialsneededfor

photosynthesis.Q6.Mentiontheroleofchlorophyllin photosynthesis.

Q8.Howarenutrientreplenishedinthesoil?

Q9.Whatistongue?Writeitsfunctions?

Q10.Explaintheprocessofrumination?

Q11.Explaintheprocessofdigestioninthestomach?

Q12.Howissmallintestinedesignedtoabsorbdigestedfood?

Q.13Writethetypesofteethandtheirfunctions.

Q.14Explainthefollowing

   Ingestion,Digestion,Absorption,Assimilation,Egestion

Q.15Makealistofhotandcoldobjectsfromourdaily life.

Q.16Writetheprecautionstobeobservedwhile readingaclinicalthermometer.

PROJECT:

Q15.Collectvariouscolouredleavesandpastethem.

Q16.Drawfollowingdiagrams

ØStomata

ØAsectionthroughaleaf

ØPitcherplantshowinglidandpitcher

ØHumandigestivesystem

ØDiagramshowingoesophagusandstomach

ØDigestivesysteminruminants ØAmoeba

Q18.Writeandlearnquestionanswerofchapter1andchapter2?

SUBJECT : SOCIAL SCIENCE

Q1. Who was considered "foreigner" in the past?

Q2Which are the major component

of the environment?(Draw a

diagram)

Q3.What was civil rights movement

in USA?

Q4. What is an ecosystem?

Q5. How many type of rocks are there? Write in detail with examples.

Q6. On which dates following days are celebrated.

(I)World environment day

(II) National science day

(III) Earth day

(IV) International yoga day

(V) International Labour day

 (VI) International women's day

 (VII) World water day

(VIII) National children's day (IX)Human rights day (X) National panchayat Raj day

(XI) Republic day of India (XII) independence day of India

Q7. Read 1&2 chapter of each book and prepare 5 MCQ and short questions of each chapter.

Q8. Fill all the states and union territories in the

political map of Indian and paste in your SST notebook.

Q9. Collect the picture of some monuments paste in your (scrapbook/file) and find out which are the rocks used to build them.

Q10. Locate the Gurjara-pratiharas,Rashtrakutas,Palas,Cholas and Chahamans on political map of India and identify the present day states over they exercise.

विषय- संस्कृत

1. 'किम्' शब्द के पुल्लिंग, स्त्रीलिंग, और नपुंसकलिंग में शब्दरूप लिखिये:-   (सहायता पृष्ठ-92-93)

2. गम (गच्छ) और पठ धातु के लट् लकार (वर्तमान काल) और लृट् लकार (भविष्य काल) मे रूप लिखो ।

(सहायता पृष्ठ = 96-97)

3. कोई दो सुभाषित श्लोक अर्थसहित लिखो |

SUBJECT : AE

1. Make a craft by using waste material available.
2. Traditional painting- MADHUBANI ART OF BIHAR
3. Still life- pencil shading
4. Poster Painting- Swachh Ghar swasth Parivar.

SUBJECT : COMPUTER

1. Take an A4 sheet and paste the pictures of steps of installation process of Python.

2.Take a sheet and write all the features of Python .

KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)
SUMMER VACATION HOMEWORK SESSION (2023-2024)

CLASS – VIII

DEAR PARENTS/STUDENTS,

Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).

SUBJECT : ENGLISH

Q1. 'How The Camel Got His Hump' is a short story by Rudyard Kipling who is known for his interesting novels and short stories. One of his famous works includes 'The Jungle Book'. Read the story of Mowgli or watch the animated movie based on the story and write the following :

    I.   Summary of the story.
    II.   Important characters
    III.   Your favourite character
    IV.   Lesson learnt/ Moral

Q2. 'The Ant and the Cricket' is a fable written by Greek fabulist, Aesop. Read more fables written by Aesop and write 5 of them in your notebook. Also illustrate them with pictures.

Q3. The story, ' The Best Christmas Present in the World' is set in the backdrop of World War I. Read about W. W. I and answer the following questions:

    I.   Why did W. W. I start?
    II.   How long did the war last?
    III.   How were the lives of soldiers living in the trenches during the W. W. I?
    IV.   What is 'No Man's Land'?
    V.   How did animals serve in W. W. I?
    VI.   What was the role of Indian army in Britain's victory over Germany in W. W. I?

विषय - हिंदी

कक्षा -8 (2023-24)

विषय -हिंदी

प्रश्न 1- भारत की खोज पुस्तक पाठ1-4 का मौन वाचन करें एवं महत्वपूर्ण बिंदुओं को रेखांकित करें।

प्रश्न-2 निम्नलिखित विषयों पर अनुच्छेद लिखिए -

1- योग एवं व्यायाम का महत्व ।

2-परोपकार का महत्व।

प्रश्न 3. कोई दस सुविचार लिखे एवं कंठस्थ करें।

प्रश्न 4. आपने ग्रीष्मावकाश कैसे बिताया ? बताते हुए मित्र को पत्र लिखिए।

प्रश्न 5. 25 विलोम शब्द , 25 पर्यायवाची शब्द तथा 25 मुहावरे एवं उनके अर्थ लिखकर वाक्य प्रयोग करें।

SUBJECT MATHEMATICS

1. Learn Multiplication Tables from 1 to 30.

2. Learn Squares of the numbers from 2 to 25.

3. What properties, the following expressions show?(i) 2/3 +
   4/5 = 4/5 + 2/3
   (ii) 1/3 × 2/3 = 2/3 × 1/3
   (iii) For two Rational Numbers, a and b, a+b is also a Rational Number.

4. If a = 12, b = 34, verify the following:
   (i) a × b = b × a
   (ii) a + b = b + a

5. Find which of following are rational numbers: 67, −1/2, 0, 1/0, 100/0.

6. Find the reciprocal of the following rational numbers : (a) −3/4
   (b) 0   (c) 6/11   (d) 5/−9

7. Identify the linear equations in one variable from the given expressions.(a) x2 + x
   = 2   (b) 3x + 5 = 11   (c) 5 + 7 = 12

8. Find five rational numbers between ½ and 1/3.

9. Multiply 5/8 by the reciprocal of −3/8.

10. Write any 5 rational numbers between −5/6 and 7/8.

11. Calculate the followings:

(a) $\dfrac{-4}{5} \times \dfrac{3}{7} + \dfrac{4}{5} \times \dfrac{3}{7}$ (b) $\dfrac{1}{2} \times \dfrac{5}{6} + \dfrac{1}{3} \times \dfrac{1}{4}$

12. Represent the following rational numbers on the number lines.(a) -2/3

         (b) 3/4   3/2

13. Check whether the linear equation 3x + 5 = 11 is true for x = 2.

14. Form a linear equation from given statement: 'When 5 is added to twice anumber, it gives 11.

15. My father's age 5 years ago plus twice my age now gives 65. My age is 5 yearsago plus three times my father's age now gives 130. What is my father's age?

16. If the sum of two consecutive numbers is 11, find the numbers.

17. Solve for x:

$$\dfrac{7x+14}{3} - \dfrac{17-3x}{5} = 6x - \dfrac{4x+2}{3} - 5$$

18. Write two such rational numbers whose multiplicative inverse is same asthey are.

19. What is the multiplicative identity of rational numbers?

20. 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
4/9 by -13/12

21. **CCT Based 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

22. **Write an article on the topic "Importance of Mathematics in real World.".**

SUBJECT: SCIENCE

General Instructions:

➢ **Revise the chapters Crop Production and Management and Microorganisms: Friends and Foe.**

➢ **Do your Holiday Homework on separate sheets.**

➢ **Go through the chapters and the content taught in the class.**

➢ **NOTE: Do this holiday homework on A-4 sheets/ project sheets.**

➢ **Be curious, keep learning.**

• **QUESTIONS**

1. Write down the basic steps involved in agricultural practices with brief explanation of each.

2. How micro-organisms act as both friend and foe for humans? Explain.

3. What are weedicides? Explain with examples

4. Draw nitrogen cycle. Write a short note on it.

5. Write the names and uses of a 5 agricultural machines with diagrams/cut-outs.

6. Find out about types of fertilizers used for various commercial crops and precautions taken while using them. Prepare a short report.

7. What is nitrogen fixation? Explain with the help of two methods of nitrogen fixation and its benefits in agriculture.

8. Prepare 20 MCQ each for chapter 1&2.

SUBJECT : SOCIAL SCIENCE

Geography:

- **Name the various types of resources and explain it with the help of a diagram.**
- **Write some methods of soil conservation. You can draw and paste pictures using these methods (in chart paper).**

Political science:

- **Write the key features of the Indian constitution. (Chapter 1)**
- **Write and learn preamble.**
- **How many fundamental rights are in the Indian constitution.**

Make a collage on: (any one)

- **Forest fire**
- **Global warming**

विषय- संस्कृत

1. खाद् धातु के लट् लङ् और लृट लकार में रूप लिखिए ।
2. अस्मद् और युष्मद् शब्द के रूप लिखिए और याद करो।
3. दीर्घ, गुण और यण सन्धि की परिभाषा व दो-दो उदाहरण लिखो ।
4. सुभाषितानि पाठ के सभी श्लोक अर्थ सही कंठस्थीकृत करें।

1. Make a 3D craft by using waste material available.
2. Traditional painting- GOND ART OF MADHYA PRADESH
3. Still life- pencil shading
4. Poster Painting- Climate change.

SUBJECT : COMPUTER

1. Define variable, identifier and data type with example.

2. Why python is so popular nowadays?

3. What is high level language?

4. Draw a flowchart and algorithm for a problem, e.g. - A number is an integer or not.

5. Write a brief note on AI and its uses in daily life.

You can also make ppt or drawing as you like and mail it to Neelam Gupta mam at neelam.54407@kvsrodelhi.in

KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)
SUMMER VACATION HOMEWORK SESSION (2023-2024)

CLASS – IX

DEAR PARENTS/STUDENTS,

Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).

SUBJECT : ENGLISH

I. Read the below given unseen passage and answer the questions that follows.

The choices we make on a daily basis—wearing a seatbelt, lifting heavy objects correctly or purposely staying out of any dangerous situation—can either ensure our safety or bring about potentially harmful circumstances.

You and I need to make a decision that we are going to get our lives in order. Exercising self-control, self-discipline and establishing boundaries and borders in our lives are some of the most important things we can do. A life without discipline is one that's filled with carelessness.

We can think it's kind of exciting to live life on the edge. We like the image of "Yeah! That's me! Living on the edge! Woo-hoo!" It's become a popular way to look at life. But if you see, even highways have lines, which provide margins for our safety while we're driving. If we go over one side, we'll go into the ditch. If we cross over the line in the middle, we could get killed. And we like those lines because they help to keep us safe. Sometimes we don't even realize how lines help to keep us safe.

I'm not proud of this, but for the first 20 years of my life at work, I ignored my limits. I felt horrible, physically, most of the time. I used to tell myself "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." I ran to doctors, trying to make myself feel better through pills, vitamins, natural stuff and anything I could get my hands on. Some of the doctors would tell me, "It's just stress." That just made me mad. I thought stress meant you don't like what you do or can't handle life, and I love what I do. But I kept pushing myself, traveling, doing speaking engagements and so on— simply exhausting myself.

Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle.

You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologize for it. We're not all alike and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure

On the basis of understanding of the passage, answer ANY TEN questions from the twelve that follow.

Q1) Which of the characteristics are apt about the writer in the following context: "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." ?

1. negligent   2. Indecisive   3. Spontaneous   4. Reckless   5. Purposeless   6. patient

a) 2 and 5

b) 3 and 6

c) 1 and 4

d) 2 and 3

Q2) The reason why living on the edge has become popular, is because of the

a) constant need for something different. b) population being much younger.

c) exhausting effort to make changes. d) strong tendency to stay within our limits.

Q3) The phrase "potentially harmful circumstances" refers to circumstances that can

(a) certainly be dangerous. (b) be fairly dangerous. (c) be possibly dangerous. (d) seldom be dangerous.

Q4). Choose the option that correctly states the two meanings of 'outlook', as used in the passage.

1. A person's evaluation of life   2. A person's experiences in life   3. A person's point of view towards life   4. A person's regrets in life   5. A person's general attitude to life

a) (1) and (4)

b) (2) and (3)

c) (3) and (5)

d) (4) and (5)

Q5) Choose the option that best captures the central idea of the passage from the given quotes.

1. It's all about quality of life and finding a happy balance between work and friends.

2. To go beyond is as wrong as to fall short.

3. Life is like riding a bicycle. To keep your balance you must keep moving.

4. Balance is not something you find, it's something you create.

a) Option (1)   b) Option (2)   c) Option (3)   d) Option (4)

Q6) The author explains the importance of discipline and boundaries in our lives using the example of

a) road accidents.   b) traffic rules.   c) lines on the highway.   d) safe driving.

Q7) The author attempts to _____ the readers through this write-up.

a) rebuke   b) question   c) offer aid to   d) offer advice to

Q8) What is the message conveyed in the last paragraph of the passage?

a) Love what you do.   b) Love yourself to love others.

c) Be the best version of yourself.   d) Be yourself

Q9) Which of the following will be the most appropriate title for the passage?

a) Much too soon   b) Enough is enough   c) How much is too much?   d) Have enough to do?

Q10) The author uses colloquial words such as "yeah" and "Woo-hoo!". Which of the following is NOT a colloquial word?

a) hooked   b) guy   c) stuff   d) stress

Q11) Select the option that makes the correct use of "unsustainable", as used in the passage, to fill in the blank space.

a) In the long run, the _____ officials followed emergency procedures.

b) Emergency procedures were _____ by the officials.

c) Officials reported an _____ set of events during the emergency.

d) Officials admit that the emergency system is _____ in the longer run.

Q12) What does the author mean when he says, "to get our lives in order"?

a) To resume our lives.   b) To organize our lives.

c) To rebuild our lives.   d) To control our lives.

II. Fill in the blanks with the appropriate form of modals:

1. Rachel _____ have brought the bicycle, but she didn't have enough money. (could/should)
2. This is a hospital, and you _____ not talk loudly here. (must/could)
3. Uma _____ apply for the job she got in London. (might/would)
4. Yusuf _____ speak fluent French when they used to stay in Paris. (must/could)
5. Take the raincoat as it _____ rain later. (might/would)
6. You _____ visit the doctor immediately as your symptoms are quite severe. (must/ can)
7. _____ you give me a bottle of water? My throat is parched. (could/shall)
8. I _____ like to talk about the great freedom fighters on Independence Day. (would/must)
9. One ____ help the old and needy people. (ought to/can)
10. _____ you like some sweets that I made yesterday? (would/can)

III. Identify the errors and change them:

Read the following sentences below and make changes wherever necessary.

There was a hermit who live in a cave far away from the village. He was known to has magical healing powers. So whenever anyone fall sick, the hermit used to treat them with his medicine. People form far and wide came to met him. The hermit also was consider to be wise. Peoples in the village went to him to ask for advice in various matters and always come back satisfied.

IV. Make Mind Map of the following chapter: (This will include Author's Name, Theme/Gist, Values, Characters, Series of Events)
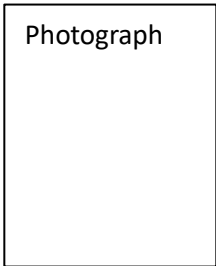
a) **HOW I TAUGHT MY GRANDMOTHER TO READ**
b) **THE DOG NAMED DUKE**

V. Read two Lessons from Main course book and underline as well as write the meaning of difficult words in the book itself.

PORTFOLIO:

My Profile

SESSION 2023-24

Photograph

Name: ....

Class & Sec: ....

Roll No: ....

Father's Name: ....

Mother's Name: ....

School: ....

Address:..
Contact: ....
Blood Group:..

MY STRENGTH
....
....
....

I AM GOOD AT
....

MY HOBBIES

....

MY LIMITATIONS

....

....

I WANT TO LEARN

....

....

I WANT TO BE

....

What do I think about the subject English?

....
....
....
....
....

What is your vision for the future?

....
....
....

विषय - हिंदी

।- दो बैलो की कथा से प्रेरित होकर किन्ही अन्य जानवरों की मित्रता की कहानी लिखिए।

2 - सूरदास जी का जीवन परिचय व उनकी रचनाएँ लिखिए।

3 - ल्हासा की ओर कहानी से प्रेरित होकर अपने जीवन की किसी यात्रा का वर्णन कीजिये व उनकी चित्र भी लगाए।

4 - प्रतिदिन हिंदी में समाचार पत्र पढ़ें और पांच मुख्या समाचार कॉपी में लिखे या उनकी कटिंग कॉपी में चिपकाएँ।

SUBJECT : MATHEMATICS

QUESTION 1. Which one is not a polynomial

(a) $4x^2 + 2x - 1$

(b) $y + \dfrac{3}{y}$

(c) $x^3 - 1$

(d) $y^2 + 5y + 1$

QUESTION 2. The polynomial $px^2 + qx + 5$ is

(a) linear
(b) quadratic
(c) cubic

QUESTION 3. The zero of the polynomial $p(x) = 2x + 5$ is :

(a) 2
(b) 5
(c) $\dfrac{2}{5}/2$
(d) $5\dfrac{5}{2}$

QUESTION 4. The number of zeros of $x^2 + 4x + 2$ is :

(a) 1
(b) 2
(c) 3
(d) none of these

QUESTION 5. The polynomial of type $ax^2 + bx + c$, $a = 0$ is of type

(a) linear
(b) quadratic
(c) cubic

QUESTION 6. The value of k, if $(x - 1)$ is a factor of $4x^3 + 3x^2 - 4x + k$, is

(a) 1
(b) 2
(c) −3
(d) 3

QUESTION 7. If $3 + 5 - 8 = 0$, then the value of $(3)^3 + (5)^3 - (8)^3$ is(Use algebraic identity :
$x^3+y^3+z^3=(x+y+z)(x^2+y^2+z^2-xy-yz-zx)$

(a) 260

(b) −360

(c) −160

27

(d) 160

QUESTION 8. The value of $\dfrac{(361)^3 + (139)^3}{(361)^2 - 361 \times 139 + (139)^2}$ is

(a) 300

(b) 500

(c) 400

(d) 600

QUESTION 9. If x + 2 is a factor of $x^3 - 2ax^2 + 16$, then value of a is

(a) 3
(b) 1
(c) 4
(d) 2

QUESTION 10. If one of the factor of $x^2 + x - 20$ is (x + 5). Find the other :

(a) x − 4
(b) x + 2
(c) x + 4
(d) x − 5

QUESTION 11. State whether the following statements are true or false :

(i) $2\sqrt{5}$ is a rational number.

(ii) There are infinitely many integers between any two integers.

(iii) Number of rational numbers between 11 and 13 is finite.

(iv) There are numbers which cannot be written in the form p/q , $q \neq 0$, p, q both are integers.

(v) The square of an irrational number is always rational.

(vi)√18 + √22 is not a rational number as √18 and √22 are not integers.

PISA BASED QUESTIONS

QUESTION 12 :

Cross-word Puzzle
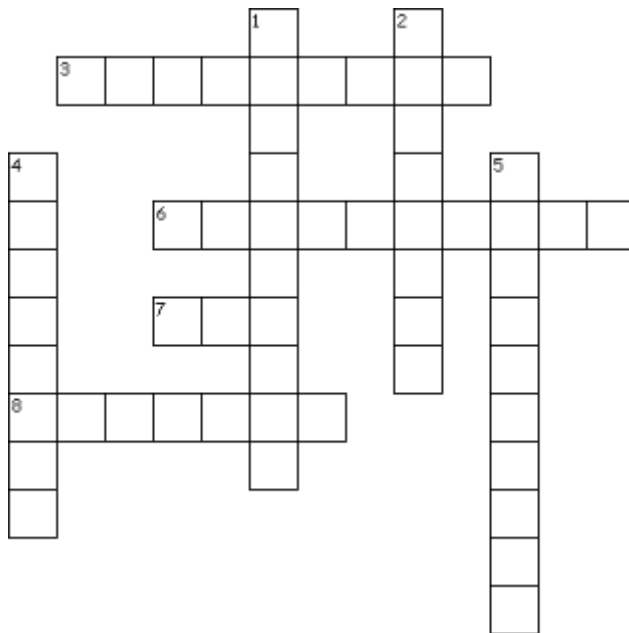
Across

3. rational numbers have only two choices- either they are terminating or non-terminating _____

6. The First person to discover the numbers which were not rational

7. The number (√3 -1)(√3 +1) is

8. Counting Number are called

Down

1. Non-terminating non recurring decimal expression
2. The set of positive and negative number is
4. Number of the form p/q
5. Who was the first to compute digits in the decimal expansion of π(Greek genius).

QUESTION 13.   **ONLINE GAME**
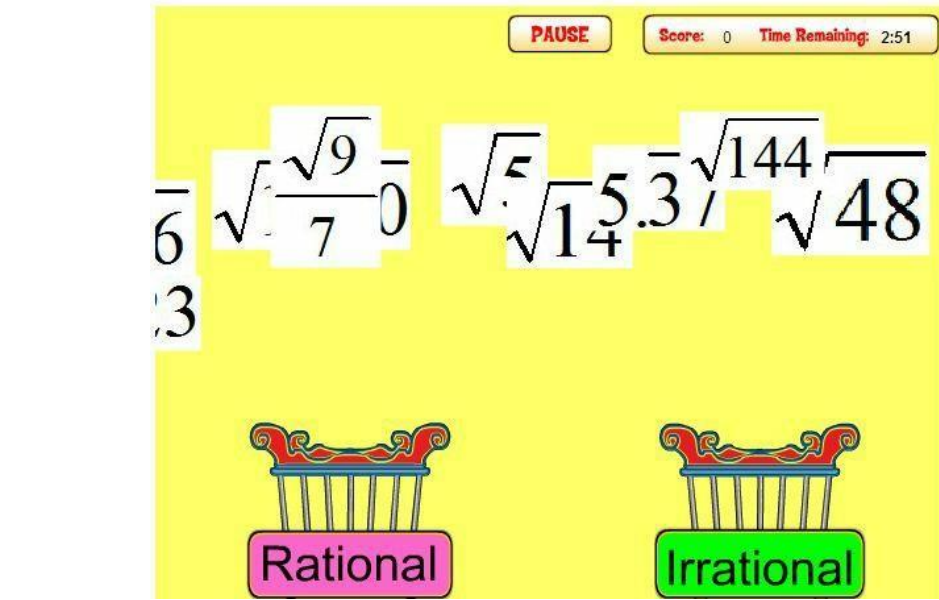
Reeta and Geeta are twin sisters. They both study in class IX.They love to study Maths as it is their favourite subject.These days they are not going to school and having online classes only due to Corona pandemic. They are somewhat bored as they miss their school friends. One day they decide to play online quiz. The quiz is about rational and irrational numbers. One by one they are given a number on screen. They have to identify that number as rational or irrational and put that number in the correct bin as shown in picture. They get +10 points for correct answer and -5 points for incorrect answer.

Following is the detail of their responses after finishing the game.

Reeta's responses		Geeta's responses	
Rational	Irrational	Rational	Irrational
5/7	√3	5	0.777777…
√25	4π	28/99	25.252525…
5.1211114444…	1.5125473694…	-5	√49
8.5	1.5	0	22/7
0.333333…	√47	5789.2	0/5

Q.1 : Who won the game?

(a) Reeta

(b) Geeta

(c) Both got equal score

Q.2 : Geeta says that 22/7 is an irrational number as it is value of π(pi) but Reeta disagrees with her and

says that 22/7 is a rational number. What do you think Who is correct? Explain your answer.

Q.3 : Identify Whether 25.252525… is a rational or irrational number. Justify your answer.

Exemplar Questions

Question 14 . Find three rational numbers between

(i) −1 and −2

(ii) 0.1 and 0.2

Question 15 . 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.

SUBJECT : SCIENCE

1)Observe around you and make a list of activities that involve the phenomena of evaporation in bringing about cooling .

2)Make a model/ chart of

a) A prokaryotic and a eukaryotic cell

Or

A plant cell and an animal cell

b)And write the differences that you observe between them.

c)Write the functions of the following cell organelles in an A4 sheet

i)Mitochondria

ii)Endoplasmic reticulum

iii)Nucleus

iv)Plastids

v)Golgi body

vi)Lysosomes

vii)Plasma membrane

viii)Vacuoles

3)Collect information about any two Indian scientists.   and write their contribution in the field of science.

4)On an A4 sheet write down the names , atomic numbers and the atomic masses of the first 20 elements of the periodic table and learn them.

5)Go through all the chapters that have been taught till date .

SUBJECT : SOCIAL SCIENCE

1. Art integrated social science project

Topic: Disaster, its type and disaster management

Content: 1. meaning of disaster

2. Types of disaster

3. Main man-made disasters

4. Main Natural disasters

5. Alternative communication during disaster

4. First aid

5. Disaster management in India.

Instructions for project—

* Preparing the collage / poster / brochure on A4 sheet.

*Collect the resources you require for your project such as pictures,

text, quotations, etc.

*If you are making a poster turn it into a colourful, informative poster.

Make it on A4 size Sheets.

* Attach in a file. The work should be creative.

* Decorate decently

*Project will be made by individual student not in group.

2. **Activity: - Map work**

History:-

The French Revolution: - Locate and label these places on an outline Political Map of France -

A) Bordeaux

B) Nantes

C) Paris

D) Marseilles

Geography:-

India-Size and Location: - Locate and label these places on an outline Political map of India -

A) India's States with Capitals & Union Territories

B) Tropic of Cancer

C) Standard Meridian of India

2. Read English Newspaper daily to increase your concentration

ASSIGNMENTS (Do in homework notebook)

HISTORY

Ch-1 The French Revolution

1. Write about the different philosophers of France?

2. Who all got the right to vote for National Assembly?

3. Describe the French division of Society?

4. What were the main causes of French Revolution?

5. What was the contribution of Mirabeau and Abbe Sieyes to the French Revolution?

6. What are the three important ideas of the French Revolution? How were they guaranteed under the constitution of 1791?

ECONOMICS

Read Ch-1 The Story of Village Palampur

Frame at least 15 multiple choice questions.

Geography

1. Give the reasons for selecting longitude 82°30′ as the Standard Meridian of India.

2. The central location of India at the head of the Indian Ocean is considered of great significance. Why?

3. India has a long coastline which is advantageous. Explain.

4. Frame 10 multiple choice questions.

Political science

1. Democracy is all about political competition and power play. There is no scope for morality'. Justify the statement by giving arguments against democracy.

2. How does democracy improve the quality of decision-making?

3. Why is democracy considered the best form of government?

4. Frame 15 multiple choice questions.

<u>विषय- संस्कृत</u>

1. स्वर संधि की परिभाषा व भेद लिखकर प्रत्येक के दो-दो उदाहरण लिखो

2. स्त्रीलिंग 'रमा' शब्द के रूप लिखो ।

3. 'भू' धातु के लट् लङ् और लृट् लकार मे धातुरूप लिखो ।

<u>SUBJECT : AE</u>

1. Make a indigenous toy by using waste material available.
2. Traditional painting- PHAD PAINTING OF RAJASTHAN
3. Still life- pencil shading
4. Poster Painting- Amrit Mahostav

<u>SUBJECT - ARTIFICIAL INTELLIGENCE-417</u>

(Attempt these questions in your AI notebook)

(a) Write atheist any Five application areas of AI .

(b) Discuss Types of Communication with examples.

(c) Make a Collage on Parts of Speech

KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)

HOLIDAY HOMEWORK SUMMER VACATIONS SESSION (2023-24)

CLASS - X

DEAR PARENTS/STUDENTS,

Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).

SUBJECT : ENGLISH

1.   Read any English Newspaper(offline/online) and write down 3 Headlines(1 National, 1 International and 1 Sports) daily for 20 days.

2.   'Rules are meant to be observed in spirit not only in letter'. Explain what you understand by this statement. Write an article in about 120–150 words on how the rules can be effectively implemented in the society and citizens can follow it in the true spirit. You may use any of the ideas given in the box

(a)   Use it in the context of gender (protection of women's rights/dowry/female infanticide, etc.).

(b)   In the context of environment (cutting of trees/poaching/pollution).

(c)   Smoking in public/following traffic rules, etc. (add cartoons with fun facts, for example parking in front of no parking sign).

(d)   In the context of value and self discipline.

3.   Write a report on any one of the following—conservation of environment, plantation of trees, waste disposal, water harvesting, and the cleanliness drive under Swachh Bharat

Abhiyan carried out in your locality.

4.   You may have come across some people in your neighbourhood who might have inspired you with their actions. Talk to them about—

• their childhood, their education, job, their likes and dislikes

• their contribution to the enrichment of their village or town, job, country, etc.

• their interesting features and characteristics

Based on the collected information, write their portraits.

(Hint: First, make a list of describable (adjectives) points used for the person, in your own words. Secondly, take the help of these points to develop an outline in sentence form. Thirdly, use the outline and prepare the first draft of the description of the person and then edit the draft. Prepare the final copy after making all changes.)

<u>विषय – हिन्दी</u>

1. छात्रावास में रहने वाले अपने छोटे भाई/बहन को पत्र लिखकर प्रातःकाल नियमित रूप से योग एवं प्राणायाम का अभ्याश करने के लिए प्रेरित कीजिये ।
2. अपनी पुस्तक में से सरल, संयुक्त एवं मिश्र वाक्यों के 5-5 उदाहरण छांटिए |
3. सामाजिक बुराइयों पर आधारित कबीर के दोहों का संकलन कीजिये|
4. सीता स्वयंवर के समय परशुराम और लक्ष्मण के बीच हुई बातचीत को संवाद के रूप में लिखिये|

SUBJECT : MATHEMATICS

1. Using prime factorization , find the HCF of

(i) 405 and 2520
(ii) 504 and 1188
(iii) 960 and 1575

2. Using prime factorization, find the HCF and LCM of:

(i) 36 and 84
(ii) 23 and 31
(iii) 96 and 404
(iv) 144 and 198
(v) 396 and 1080

   In each case, verify that HCF x LCM = product of given number.

3. Using prime factorization, find the HCF and LCM of:

(i) 8, 9 and 25
(ii) 12 ,15 and 21

(iii) 17,23 and 29

(iv) 24, 36 and 40

(v) 30, 72 and 432

4. The HCF of two number is 23 and their LCM is 1449. If one of the number is 161, find the other.

5. Two numbers are in the ratio 2 : 3 and their LCM is 180. What is the HCF of these two numbers?

6. The HCF of two number is 18 and their product is 12960. Find their LCM.

7. State whether the given statement is true or false. (i) The sum of two rational is always rational.

(ii) The product of two rational is always rational.

(iii) The sum of two irrational is always an irrational.

(iv) The product of two irrational is always an irrational.

(v) The sum of rational and an irrational is always irrational.

(vi) The product of rational and an irrational is always irrational.

8.   Show that the following numbers are irrational:

(i) √5   (ii) 2 +√3   (iii)   4 - √5   (iv)   3√5

(v) √2 + √3   (vi) 2 + 3√5   (vii) 3 - 5√2   (viii)1 /√2

9. If one zero of the quadratic polynomial x^2 - 5x - 6 is 6, then find the other zero.

10. If 1 is a zero of the polynomial p(x) = ax^2 - 3(a-1)x - 1, then find the value of 'a' ?

11. If one root of the polynomial p(y)=$5y^2$+ 13y + m is reciprocal of other, then find the value of 'm'?

12. If the graph of a polynomial intersects the x–axis at only one point, can it be a quadratic polynomial?

13. What number should be added to the polynomial x^2 - 5x + 4, so that 3 is the zero of the polynomial?

14. If α and β are zeros of p(x) = x^2 + x - 1, then find 1/α + 1/β ?

15. If α and β are the zeros of the quadratic polynomial $f(x) = 2x^2 - 5x + 7$, find a polynomial whose zeros are $2\alpha + 3\beta$ and $3\alpha + 2\beta$?

16. If α, β are the two zeros of the polynomial $f(y) = y^2 - 8y + a$ and $\alpha^2 + \beta^2 = 40$, find the value of 'a'?

17. Find the value of "p" from the polynomial $x^2 + 3x + p$, if one of the zeroes of the polynomial is 2.

18. Compute the zeroes of the polynomial $4x^2 - 4x - 8$. Also, establish a relationship between the zeroes and coefficients.

19. Find the quadratic polynomial if its zeroes are 0, $\sqrt{5}$.

20. Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes, respectively.
(i) 1/4, -1   (ii) 1, 1   (iii) 4, 1

21. Find the value of k for which system of equation $2x + 3y = 5$ and $4x + ky = 10$ has infinite number of solutions.

22. Find the number of solutions of the pair of equations $x + 2y + 5 = 0$ and $-3x - 6y + 1 = 0$.

23. If the system of equations $6x - 2y = 3$ and $kx - y = 2$ has a unique solution , find k.

24. Determine the values of a and b for which the following system of linear equations has infinite solutions: $2x - (a - 4) y = 2b + 1$; $4x - (a - 1) y = 5b - 1$.

25. Check the consistency of the pair of linear equations $2x + 3y = 5$ and $4x + 6y = 10$.

26. Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu? Solve graphically.

27. Draw the graph $x - y + 1 = 0$ and $2x + y - 10 = 0$. Shade the region bounded by these lines and x-axis. Find the area of the shaded region.

28. Meena went to a bank to withdraw Rs 2,000. She asked the cashier to give her Rs. 50 and Rs. 100 notes only. Meena got 25 notes in all. How many notes of Rs. 50 and Rs. 100 she received?

29. The ratio of income of two persons is 9 : 7 and the ratio of their expenditure is 4 : 3, if each of them manage to save Rs. 2000/month. Find their monthly incomes.

30. The sum of the digits of a two-digit number is 9. Also 9 times this number is twice the number obtained by reversing the order of the digits. Find the number.

REAL NUMBERS - CASE STUDY

To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B.

1. What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B?
2. If the product of two positive integers is equal to the product of their HCF and LCM is true then, the HCF (32 , 36) is ......
3. 36 can be expressed as a product of its primes as ....
4. 7 is a :
   a) Prime number   b) Composite number   c) Neither prime nor composite

5. If p and q are positive integers such that p = a and q= b, where a , b are prime numbers, then the LCM (p, q) is ....
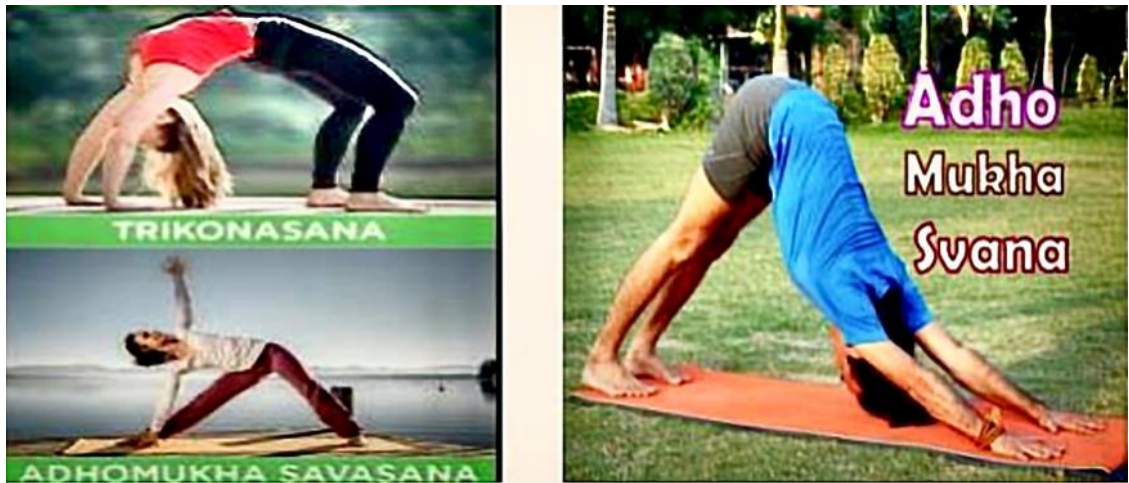
An asana is a body posture, originally and still a general term for a sitting meditation pose, and later extended in hatha yoga and modern yoga as exercise, to any type of pose or position, adding reclining, standing, inverted, twisting, and balancing poses. In the figure, one can observe that poses can be related to representation of quadratic polynomial.

1. The shape of the poses shown is
   a) Spiral   b) Ellipse   c) Linear   d) Parabola
2. The graph of parabola opens downwards, if _____
   a) a < 0b) a > 0
3. In the graph, how many zeroes are there for the polynomial?
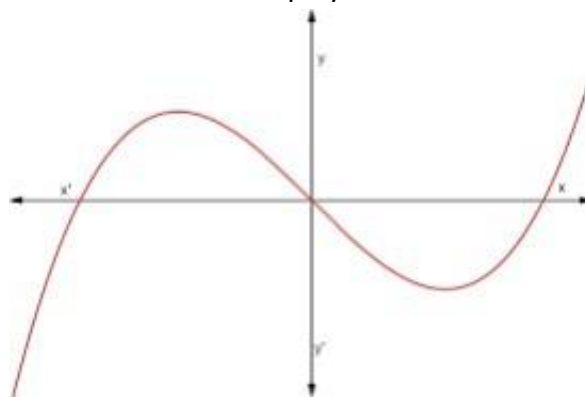
PAIR OF LINEAR EQUATIONS IN TWO VARIABLES - CASE STUDY

Two schools 'P' and 'Q' decided to award prizes to their students for two games of Hockey ₹ x per student and Cricket ₹ y per student. School 'P' decided to award a total of ₹ 9,500 for the two games to 5 and 4 students respectively; while school 'Q' decided to award ₹ 7,370 for the two games to 4 and 3 students respectively.

Based on the above information, answer the following questions (i) Represent the following information algebraically (in terms of x and y).

(ii) (a) What is the prize amount for hockey?

(b) Prize amount on which game is more and by how much ? (iii) What will be the total prize amount if there are 2 students each from two games ?

SUBJECT : SCIENCE

- ➢ **Revise the chapters chemical equation and reaction and life processes**
- ➢ **Do your Holiday Homework on separate sheets**
- ➢ **Go through the chapters and the content taught in the class.**
- ➢ **NOTE: Do this holiday homework on A-4 sheets/ project sheets.**
- ➢ **Be curious, keep learning**

Q1) Assertion (A): Following is a balanced chemical equation for the action of steam

on iron : $3Fe + 4H_2O \rightarrow Fe_3O_4 + 4H_2$

Reason (R): The law of conservation of mass holds good for a chemical equation.

(a)Both (A) and (R) are true and reason (R) is the correct explanation of the assertion (A)

(b)Both (A) and (R) are true, but reason (R) is not the correct explanation of the assertion (A).

(c)(A) is true, but (R) is false.

(d) (A) is false, but (R) is true.

Q2) Write the balanced equation for the following chemical reactions.

1. Hydrogen + Chlorine → Hydrogen chloride

2. Barium chloride + Aluminium sulphate → Barium sulphate +Aluminium chloride

3. Sodium + Water → Sodium hydroxide + Hydrogen

4. Calcium hydroxide + Carbon dioxide → Calcium carbonate + Water

5. Zinc + Silver nitrate → Zinc nitrate + Silver

6. Aluminium + Copper chloride → Aluminium chloride + Copper

7. Barium chloride + Potassium sulphate → Barium sulphate + Potassium chloride

8)Potassium bromide(aq) + Barium iodide(aq) → Potassium iodide(aq) +Barium bromide(s)

9)Zinc carbonate(s) → Zinc oxide(s) + Carbon dioxide(g)

10)Magnesium(s) + Hydrochloric acid(aq) → Magnesium chloride(aq) +Hydrogen(g)

Q3.) What happens when an aqueous solution of sodium sulphate reacts with an aqueous solution of barium chloride? State the physical conditions of reactants in which the reaction between them will not take place. Write the balanced chemical equation for the reaction and name the type of reaction.

Q4) Draw a well labelled diagram of

1. Stomatal apparatus
2. Cross section of a leaf
3. Nutrition in amoeba
4. Human heart
5. Excretory system of human beings

Q.5) Make a project on any one of the following mentioning the functions of all the organs associated with it.

a) Digestive system

b) Respiratory system

SUBJECT : SOCIAL SCIENCE

All Assignments given during the month of April must be completed and revise with all sincerity

1. Frame 20 MCQs and 20 very short answer type questions from each chapter done during regular classes.

2. **Mapwork:-**
   (I) Chapter:- The rise of Nationalism in India
   On a political map of India locate and label these places :-
   a) A place related to indigo satyagraha

    b) The places of Congress session

    c) A place where the famous Salt March started in 1930

    d) The place of cotton mill worker   strike

    e) The place of peasant protest in 1918

     f) A place where Poorna swaraj declared

      g) A place of violence in 1922

(ii) **Major soils types (CH.1Geo. Resources and Development)** Identify and lebel the map from your textbook of Geography.

 (iii) **Chapter:-Water Resources**(locate and label these dams on a political map of India)

                Salal

                Bhakra Nangal

                Tehri

                Rana Pratap Sagar

                Sardar Sarovar

                 Hirakud

                 Nagarjuna Sagar

             Tungabhadra

3. Prepare a table of soils detailing the formation, origin, composition and distribution of various soil types. (Ch.1 geo)

4. CBSE PROJECT (Do any one)

Consumer Rights

Or

Sustainable

Development

Or

Social issues

Instructions for project—

* Preparing the collage / poster / brochure on A4 sheet.

*Collect the resources you require for your project such as pictures,

text, quotations, etc.

*Make it on A4 size   Sheets.

* Attach in a file. The work should be creative

* Decorate decently

*Project will be made by individual student not in group.

Enjoy your holidays and do the assigned work properly.

विषय- संस्कृत

1. स्वर संधि की परिभाषा और उसके भेद लिखो । प्रत्येक के दो-दो उदाहरण लिखो।

2.अपि, इति, इव, एव, कदा इन पाँच अव्यय शब्दों का प्रयोग करके पाँच वाक्य संस्कृत मे बनाओ।

3. उद्यान अथवा विद्यालय का चित्र चिपका कर उसके आधार पर पाँच वाक्य संस्कृत मे बनाओ ।

SUBJECT : AE

1. Make a creative craft by using waste material available.
2. Traditional painting- ANY FOLK ART OF INDIA
3. Still life- pencil shading
4. Poster Painting- Say no to plastic .

SUBJECT - ARTIFICIAL INTELLIGENCE-417

(Attempt these questions in your AI notebook)

(A) Write atheist any Five application areas of AI .

(B) Make a Collage on Parts of Speech

(C) Discuss Types of Communication with examples.

KENDRIYA VIDYALAYA NO. 2 DELHI CANTT. (SHIFT-II)
(D) SUMMER VACATION HOMEWORK SESSION (2023-2024)

CLASS – XII

DEAR PARENTS/STUDENTS,

Summer vacations are scheduled from 08 May 2023 to 16 June 2023. School will re-open on 17 June 2023 (Saturday).

SUBJECT : ENGLISH CORE

Attempt all the questions given below during summer vacation.

A.   Reading Comprehension Based Questions

I.   Read the passage given below.

I.   I got posted in Srinagar in the 1980s. Its rugged mountains, gushing rivers and vast meadows reminded me of the landscapes of my native place – the Jibhi Valley in Himachal Pradesh. Unlike Srinagar that saw numerous tourists, Jibhi Valley remained clouded in anonymity. That's when the seed of starting tourism in Jibhi was planted. I decided to leave my service in the Indian Army and follow the urge to return home.

II.   We had two houses – a family house and a traditional house, which we often rented out. I pleaded with my father to ask the tenant to vacate the house so that I could convert it into a guesthouse. When my family finally relented, I renovated the house keeping its originality intact, just adding windows for sunlight.

III.   I still remember the summer of 1992 when I put a signboard outside my first guesthouse in Jibhi Valley! The village residents, however, were sceptical about my success. My business kept growing but it took years for tourism to take off in Jibhi Valley. Things changed significantly after 2008 when the government launched a homestay scheme. People built homestays and with rapid tourism growth, the region changed rapidly. Villages turned into towns with many concrete buildings. Local businesses and tourists continued putting a burden on nature.

IV.   Then, with the 2020-21 pandemic and lockdown, tourism came to a complete standstill in Jibhi Valley. Local people, who were employed at over a hundred homestays and guesthouses, returned to their villages. Some went back to farming; some took up pottery and some got involved in government work schemes. Now, all ardently hope that normalcy and tourism will return to the valley soon. In a way, the pandemic has given us an opportunity to introspect, go back to our roots and look for sustainable solutions.

V.   For me, tourism has been my greatest teacher. It brought people from many countries and all states of India to my guesthouse. It gave me exposure to different cultures and countless opportunities to learn new things. Most people who stayed at my guesthouse became my repeat clients and good friends. When I look back, I feel proud, yet humbled at the thought that

I was not only able to fulfill my dream despite all the challenges, but also play a role in establishing tourism in the beautiful valley that I call home.

Based on your understanding of the passage, answer the questions by choosing the correct option

Q.1 The scenic beauty of Srinagar makes the writer feel

A.   awestruck

B.   nostalgic

C.   cheerful

D.   confused

Q.2 A collocation is a group of words that often occur together.

The writer says that Jibhi valley remained clouded in anonymity.

Select the word from the options that correctly collocates with clouded in.

A.   disgust

B.   anger

C.   doubt

D.   terror

Q.3 Select the option that suitably completes the given dialogue as per the context in paragraph II.

Father: Are you sure that your plan would work?

Writer: I can't say (1)

Father: That's a lot of uncertainty, isn't it?

Writer: (2)   , father. Please let's do this.

A.   (1) that I would be able to deal with the funding (2) Well begun is half done

B.   (1) anything along those lines, as the competition is tough (2) Think before you leap

C.   (1) that, because it's a question of profit and loss (2) All's well that ends well

D.   (1) I'm sure, but I can say that I believe in myself (2) Nothing venture nothing win

Q.4 Which signboard would the writer have chosen for his 1992 undertaking, in Jibhi Valley?

A.   option 1

B.   option 2

C.   option 3

D.   option 4

Q.5 Select the option that clearly indicates the situation before and after 2008, in Jibhi Valley.

Q.6 What is the relationship between (1) and (2)?

(1)   ...tourism came to a complete standstill in Jibhi Valley.

(2)   ... tourism has been my greatest teacher.

A.   (2) is the cause for (1).

B.   (1) repeats the situation described in (2).

C.   (2) elaborates the problem described in (1).

D.   (1) sets the stage for (2).

Q.7 The writer mentions looking for sustainable solutions. He refers to the need for sustainable solutions because he realises that

A. even though all natural ecosystems are essential pillars of resilience, we need to focus on using their resources to address the economic needs of mankind, as a priority.

B. the exposures to pandemics are a reality and a big threat to the countries across the world.

C. for an economic recovery to be durable and resilient, a return to 'business as usual' and environmentally destructive investment patterns and activities must be avoided.

D. there is an increasing urgency in the climate movement and the need for collaborative action for the future.

Q.8 Select the option that lists the customer review for the writer's project.

A. Beautiful accommodation in the lap of nature. Luxurious cottage with indoor pool and garden.

B. Comfortable and peaceful. Neat room with ample sunlight. Pleasant and warm host.

C. Enjoyed the sprawling suite on the fifth floor. Great view. Professional service.

D. Remote locale, good food and clean room. Would have loved more natural light, though.

Q.9 Which quote summarises the writer's feelings about the pace of growth of tourism in JibhiValley?

A. We kill all the caterpillars, then complain there are no butterflies. - John Marsden

B. Nature will give you the best example of life lessons, just open your eyes and see. – Kate Smith

C. We do not see nature with our eyes, but with our understanding and our hearts. --William Hazlett

-

D. I'd rather be in the mountains thinking of God than in church thinking of the mountains. - John Muir

Q.10 Select the option that lists what we can conclude from the text.

(1)   people of Jibhi Valley practiced sustainable tourism.

(2)   the people of Jibhi valley gradually embraced tourism.

(3)   tourists never revisited Jibhi Valley.

(4)   the writer was an enterprising person.

A.   (1) and (2) are true.

B. (2), (3) and (4) are true.

C. (2) and (4) are true.

D. (1), (3) and (4) are true.

B.   Writing Section

II. You are Veena/Vinod, the Cultural Secretary of R.M.Public school, Alkapuri, Vadodara. You have been asked to inform the students of IX and XII about an Inter School Dramatics Competition. Draft a notice in not more than 50 words for the students notice board with all necessary details.

III.You are Dhruv /Nidhi , student editor of your school magazine, 'The Buds'. Write a notice in not more than 50 words to be placed on your school notice board, inviting short stories , articles, poems etc from students of all classes for the school magazine. Give all necessary details.

IV. A book fair was organised in your city, Bhopal. Thousands of people including a large number of students visited the fair. It aroused a great interest in reading and buying books. You want that such book fairs are held in other cities of the state also to promote the habit of reading . Write a letter in 120-150 words to the editor of a local newspaper giving your views . You are Navtej/ Navita , F-112 Malviya Nagar, Bhopal.

V. Rising prices of essential commodities make life difficult for the common man. You are Nalini/ Ranbir. Write an article in 150-200 words describing the causes, possible solutions and how students can help their parents to cope with the problem.

C.   Literature Section

VI Read the given extract to attempt questions that follow:

He said I was unhappy. That made my wife kind of mad, but he explained that he meant the modern world is full of insecurity, fear, war, worry and all the rest of it, and that I just want to escape. Well, who doesn't? Everybody I know wants to escape, but they don't wander down into any third level at Grand Central Station. But that's the reason, he said, and my friends all agreed. Everything points to it, they claimed.

My stamp collecting, for example; that's a 'temporary refuge from reality.' Well, maybe, but my grandfather didn't need any refuge from reality.

Q 1 Why did Sam's verdict make Charley's wife 'mad'?

A.   It made it difficult for her to accept that Charley would consult a psychiatrist.

B.   It seemed to suggest to her that she was the cause of Charley's unhappiness.

C.   It made her aware of Charley's delicate state of mind.

D.   It offended her that Charley and Sam collectively accused her.

Q2. Sam's explanation to the reaction of Charley's wife was in nat

A.   critical

B.   aggressive

C.   clarifying

D.   accusatory

Q 3. Select the option that signifies the condition of people of the 'modern world' mentioned in the extract.

(1)   unsure

(2)   lazy

(3)   offensive

(4)   anxious

(5)   afraid

A. (1) and (3)

B. (2) and (5)

C. (2), (3) and (4)

D. (1), (4) and (5)

Q3 . Select the option that displays a cause-effect set.

Q 4.Why didn't Charley's grandfather need refuge from reality?

A.   He was too busy to bother.

B.   He had chosen to deny his reality.

C.   He lived in peaceful times.

D.   He was a very secure person.

VII. Answer the following questions:

a) Who was Charley? What was his problem?

b) What had Sam written in his letter to Charley?

c) Why couldn't Sam go back to his old business in Galesburg?

d) What could have been the poet's childhood fears?

e) Why has the mother been compared to the late winter's moon?

f) Why did M. Hamel say about knowing one's language is a key to prison?

g) Whom did Mr. Hamel blame for not learning the French?

h) Where has Saheb come from and why?

i) Mention the hazards of working in the bangle industry.

j) How did the Tiger King meet his end? What is ironical about his death?

k) How did the Maharaja manage to save his throne?

CLASS: XII
SUB: CHEMISTRY

1. Solve all the numerical from the in text and the problems from book back question for the completed chapters (SOLUTIONS & ELECTROCHEMISTRY).

2. Prepare the PPT on the topics given to you.

3. Do the investigatory projects chosen/assigned to you. Further modifications will be guided by the subject teacher.

4. Find out more about any one particular element of your interest (its common source, use, properties, applications ,occurrence etc).

5. Prepare thoroughly BIOMOLECULES for seminar. The assignment may be written for the two topics.

6. Complete the all Chemistry practicals in Practical Record performed by your class till 06 May 2023.

....

Class - XII (PHYSICS) (2023-24)

1. Define Electric field and write it's S. I. unit.

Derive Formula for Electric field due to dipole in axial position and equitorial position.

2. Define electric potential and write it's S.I. unit. Derive Formula for Electric potential due to dipole in axial position and equatorial position.

3. Define electric flux and write it's S.I. unit.

4. State Gauss's thm. Derive Formula for Electric field due to a long charged wire.

5. Derive Formula for Electric field due to thin charged sheet.

Find Electric field between two unlikely charged thin sheets having equal surface charge densities.

6. Derive Formula for Electric field due to thin charged spherical shell at a point a) inside b) outside c) on the surface.

Plot graph of E v/s r (distance).

7. Complete exercise of Chapter 2.

8. Derive Formula for torque acting on an electric dipole in uniform Electric field. What will be net force on dipole.

9. Draw electric field lines and equipotential surfaces for a) positive change b) System of like charges c) Electric dipole.

10. Give reason

a) Two electric field lines can not intersect each other. Why?

b) Electric field lines are continuous curves. Why?

11. Solve question based on chapter 1 and chapter 2 from last five years board question paper.

12. Derive formula for capacitance of a parallel plate capacitor partially filled with dielectric.

13. Solve 20- 20 conceptual questions including MCQ and case study based questions and numerical problems based on chapter 1 and chapter 2.

14. Write following experiment in practical

file-

a)   To determine resistivity of two / three wires by plotting a graph for potential difference versus current.

b)   To find focal length of a convex lens by plotting graph of u v/s v and 1/u v/s 1/v.

15.   Write following activities in activity file from practical handbook

a)   To assemble the components of a given electrical circuit

b)   To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

16.   Learn chapter 3 - Current electricity.

Class-XII (ECONOMICS)

1.   'Real gross domestic product is a better indicator of economic growth then Nominal gross domestic product'. Do you agree with the given statement? Support your answer with a suitable numerical example.

2.   "Final goods include only those goods which are consumed by the households." Defend or refute the given statement with valid reason.

"Circular flow principle is based on the assumption that one's expenditure will become other's income." Explain the given statement.

3.   RBI plays very important role in economy. Make a project on functions of Central Bank.

4.   Write the name of top 5 economy of G20 members countries.

5.   Write the current Repo, Reverse Repo and Bank Rates.

Class: XII Arts

 1. Practice previous years sample papers

2. Make a map file containing each map of all the chapters

3. Prepare chapter notes of chapter- 4 and 5

XII Computer Science Summer Holiday Session: 2023-24

Q No.   Question

1   State True or False

"Tuple is datatype in Python which contain data in key-value pair."

2   Which of the following is not a keyword?

(A) eval   (B) assert

(C) nonlocal   (D) pass

3   Given the following dictionaries

dict_student = {"rno" : "53", "name" : 'Rajveer Singh'}

dict_marks = {"Accts" : 87, "English" : 65}

Which statement will merge the contents of both dictionaries?

(A) dict_student + dict_marks   (B) dict_student.add(dict_marks)

(C) dict_student.merge(dict_marks)   (D) dict_student.update(dict_marks)

4   Consider the given expression:

not ((True and False) or True)

Which of the following will be correct output if the given expression is evaluated?

(A) True   (B) False

(C) NONE   (D) NULL

5   Select the correct output of the code:

>>> s='mail2kv@kvsangathan.kvs.in'

>>> s=s.split('kv')

>>> op = s[0] + "@kv" + s[2]

>>> print(op)

(A) mail2@kvsangathan   (B) mail2@sangathan.

(C) mail2@kvsangathan.   (D) mail2kvsangathan.

6   Which of the following statement(s) would give an error after executing the following code?

D={'rno':32,'name':'Ms Archana','subject':['hindi','english','cs'],'marks':(85,75,89)}   #S1

print(D)   #S2

D['subject'][2]='IP'   #S3

D['marks'][2]=80   #S4

print(D)   #S5

(A) S1   (B) S3

(C) S4   (D) S3 and S4

7   What will the following expression be evaluated to in Python?

print (round (100.0 / 4 + (3 + 2.55) , 1))

(A) 30.0   (B) 30.55

(C) 30.6   (D) 31

8   (A)   Given is a Python string declaration:

          message='FirstPreBoardExam@2022-23'

        Write the output of: print(message[: : -3].upper())

(B)   Write the output of the code given below:

          d1={'rno':25, 'name':'dipanshu'}

          d2={'name':'himanshu', 'age':30,'dept':'mechanical'}

          d2.update(d1)

          print(d2.keys())

9   Predict the output of the Python code given below:

data=["L",20,"M",40,"N",60]

times=0

alpha=""

add=0

```
for c in range(1,6,2):

    times = times + c

    alpha = alpha + data [c-1] + "@"

    add = add + data[c]

    print (times, add, alpha)
```

10   Predict the output of the Python code given below:

```
L=[1,2,3,4,5]

Lst=[]

for i in range(len(L)):

    if i%2==1:

        t=(L[i],L[i]**2)

        Lst.append(t)

print(Lst)
```


11   Find the invalid identifier from the following

a) Marks@12   b) string_12   c)_bonus   d)First_Name

12   Identify the valid declaration of Rec:

Rec=(1,"Ashoka",50000)

a) List   b) Tuple   c)String   d) Dictionary

13   Suppose a tuple Tup is declared as Tup = (12, 15, 63, 80) which of the following is incorrect?

a) print(Tup[1])   b) Tup[2] = 90

c) print(min(Tup))   d) print(len(Tup))

14   The correct output of the given expression is:

True and not False or False

(a) False   (b) True   (c) None   (d) Null

        t1=(2,3,4,5,6)

print(t1.index(4))

output is

(a) 4   (b) 5   (c) 6   (d) 2

15   Which of the following statement(s) would give an error after executing the following code?

x= int("Enter the Value of x:")) #Statement 1

for y in range[0,21]:   #Statement 2

  if x==y: #Statement 3

    print (x+y)   #Statement 4

  else: #Statement 5

 print (x-y)   # Statement 6

(a) Statement 4   (b) Statement 5

(c) Statement 4 & 6   (d) Statement 1 & 2

16   (a) Given is a Python string declaration:

str="Kendriya Vidyalaya Sangathan"

Write the output of: print(str[9:17])

(b) Write the output of the code given below:

lst1 = [10, 15, 20, 25, 30]

lst1.insert(3, 4)

lst1.insert(2, 3)

print (lst1[-5])

17   Evaluate the following Python expression

print(12*(3%4)//2+6)

(a)12   (b)24   (c) 10   (d) 14

18   Fill in the Blank

 The explicit conversion of an operand to a specific type is called _____

 (a)Type casting (b) coercion (c) translation (d) None of these

19   Which of the following is not a core data type in Python?

(a)Lists   (b) Dictionaries (c)Tuple   (d) Class

20   What will the following code do?

dict={"Exam":"AISSCE", "Year":2022}

 dict.update({"Year":2023})

a.   It will create new dictionary dict={" Year":2023}and old dictionary will be deleted

b.   It will throw an error and dictionary cannot updated

c.   It will make the content of dictionary as dict={"Exam":"AISSCE", "Year":2023}

d.   It will throw an error and dictionary and do nothing

21   What will be the value of the expression :   14+13%15

22   Which of the following statement(s) would give an error after executing the following code?

S="Welcome to class XII"   # Statement 1

print(S)   # Statement 2

S="Thank you"   # Statement 3

S[0]= '@'   # Statement 4

S=S+"Thank you"   # Statement 5

(a)   Statement 3   (b) Statement 4

(b)   Statement 5   (d) Statement 4 and 5

23   What will be the output of the following expression?

24//6%3 , 24//4//2 , 48//3//4

    a)(1,3,4)   b)(0,3,4)   c)(1,12,Error)   d)(1,3,#error)

24   Write the output of following code and explain the difference between a*3 and (a,a,a)

a=(1,2,3)

print(a*3)

 print(a,a,a)

25   Identify the invalid Python statement from the following.

(a) _b=1   (b) __b1= 1   (c) b_=1   (d) 1 = _b

26   Identify the valid arithmetic operator in Python from the following.

(a) //   (b) <   (c) or   (d) <>

27   If Statement in Python is __

(a) looping statement   (b) selection statement   (c) iterative   (d) sequential

28   Predict the correct output of the following Python statement –   print(4 + 3**3/2)

(a) 8   (b) 9   (c) 8.0   (d) 17.5

29   Choose the most correct statement among the following –

(a) a dictionary is a sequential set of elements

(b) a dictionary is a set of key-value pairs

(c) a dictionary is a sequential collection of elements key-value pairs

(d) a dictionary is a non-sequential collection of elements

30   Consider the string state = "Jharkhand". Identify the appropriate statement that will display the last five characters of the string state?

(a) state [-5:]   (b) state [4:]   (c) state [:4]   (d) state [:-4]

31   What will be the output of the following lines of Python code?

if not False:

   print(10)

else:

   print(20)

(a) 10   (b) 20   (c) True   (d) False

32   Find error in the following code(if any) and correct code by rewriting code and underline the correction;-

x= int("Enter value of x:")

for in range [0,10]:

     if x=y

print(x + y)

```
    else:

        print( x-y)
```

33   Find output generated by the following code:

```
Str = "Computer"

Str  = Str[-4:]

print(Str*2)
```

34   Consider the following lines of codes in Python and write the appropriate output:

```
student = {'rollno':1001, 'name':'Akshay', 'age':17}

student['name']= "Abhay"

print(student)
```

35   Find output generated by the following code:

```
string="aabbcc"

count=3

while True:

  if string[0]=='a':

    string=string[2:]

  elif string[-1]=='b':

    string=string[:2]

  else:

    count+=1

    break

print(string)

print(count)
```

Holiday Home Work Summer Vacation 2023-24

Subject & Class: - Accountancy (XII D)

S. No.   Chapter   Question No.

1

Accounting for Partnership : Basic Concepts 2

3, 4, 5

9, 10

12

14. 15. 16

18, 19

25, 26

27-32

38, 39, 40

2

Valuation of Goodwill 10-13,

14-20

24, 25, 26

27

33

3

Change in Profit sharing ratio of existing Partners   1-10

15-20

30-35

40

47

Comprehensive Projective

Students are directed to solve following Group Project as per allotment in accordance of Roll Number

Group	Roll Numbers in Group	Project
A	1,6,11,16,21	Accountancy Project 1
B	2,7,12,17,22	Accountancy Project 2
C	3,8,13,18,23	Accountancy Project 3
D	4,9,14,19,24	Accountancy Project 4
E	5,10,15,20,25	Accountancy Project 5

Class 12th Commerce Group A

Balances as on 1/4/2018   Carriages on Sale   Rs.1350

Stock   Rs. 16000   Carriages on Purchase Rs. 2350

Goodwill   Rs. 17000   Custom Duty Paid   Rs. 2100

Machinery   Rs. 70000   Charity Paid   Rs. 3100

Motor Car   Rs. 230000   Interest paid on Loan Rs. 1000

Provision for doubtful debts   Rs. 1200   30% Purchase is on Credit

Cash in Hand   Rs. 6700   20% Sale is on Credit

Freehold Property

Establishment Expenses   Rs. 213000

RS. 3800   Closing Adjustments

•   Goods at the End

Rs. 30000

Horses and Cart   Rs.11000

Loan (Credit)   Rs.300000

Debtor Rs.81000

Creditor   Rs.16100

Transactions During the Year

Purchase during the year   Rs. 212000 Sale during the year   Rs.315000

Purchase return   Rs. 1800

Sale Return   Rs. 3000

BR Received during the year   Rs. 8000 BP Accepted during the year   Rs. 3900 Drawing during the year   Rs. 48000 Insurance premium paid   Rs. 2400

- •   Depreciate machinery @ 10% and Motor Car @ 5%

- •   Provision for doubtful debts @ 5%

- •   Create Provision for Discount on Debtor @5%

- •   Bad debt Rs. 1400

- •   Manager's Commission is 10% of Net Profit

- •   Closing Debtor Rs. 30000

- •   Closing Creditor Rs. 7000

To Prepare

- ☐   Journalize the above.

- ☐   Post them in Ledger.

- ☐   Maintain Trial Balance

Final Accounts

Class 12th Commerce Group B

Balances as on 1/4/2018   Carriages on Sale   Rs.1350

Stock   Rs. 60000   Carriages on Purchase Rs. 2350

Building   Rs. 500000   Custom Duty Paid   Rs. 2100

Machinery   Rs. 70000   Charity Paid   Rs. 3100

Motor Car   Rs. 200000   Interest paid on Loan Rs. 1000

Provision for doubtful debts   Rs. 1200   60% Purchase is on Credit

Cash in Hand   Rs. 60000   40% Sale is on Credit

Freehold Property   Rs. 213000   Cash received from debtor   Rs. 100000

Establishment Expenses   RS. 3800   Cash paid to Creditor Rs. 95000

Live Stock

Loan (Credit)   Rs.11000

Rs.300000   Closing Adjustments

•   Goods at the End

Rs. 30000

Debtor Rs.81000

Creditor   Rs.16100

Transactions During the Year

Purchase during the year   Rs. 252000 Sale during the year   Rs.335000

Purchase return   Rs. 2800

Sale Return   Rs. 3000

BR Received during the year   Rs. 8000 BP Accepted during the year   Rs. 3900 Drawing during the year   Rs. 48000 Insurance premium paid   Rs. 2400

•   Depreciate machinery, Building @ 10% and Motor Car @ 5%

•   Provision for doubtful debts @ 5%

•   Create Provision for Discount on Debtor @5%

•   Bad debt Rs. 1400

•   Manager's Commission is 10% of Net Profit

To Prepare

▢   Journalize the above.

▢   Post them in Ledger.

▢   Maintain Trial Balance

▢   Final Accounts

Debtor Rs.80000

Creditor   Rs.56100

Transactions During the Year

Purchase during the year   Rs.1252000 Sale during the year   Rs.3035000

Purchase return   Rs. 28000

Sale Return   Rs. 30000 BR Received during the year Rs. 80000 BP Accepted during the year Rs. 39000 Drawing during the year   Rs. 48000 Wages   Rs. 150000

- •   Depreciate Plant, Furniture @ 10% and Free hold Property @ 5%
- •   Provision for doubtful debts @ 5%
- •   Create Provision for Discount on Debtor @5%
- •   Bad debt Rs. 1400
- •   Manager's Commission is 10% of Net Profit

To Prepare

- 🞂   Journalize the above.
- 🞂   Post them in Ledger.
- 🞂   Maintain Trial Balance
- 🞂   Final Accounts

Class 12th Commerce Group D

Balances as on 1/4/2018   Carriages on Sale   Rs.1350

Stock   Rs. 16000   Wages Paid   Rs. 10500

12% Investment   Rs. 17000   Carriages on Purchase Rs. 2350

Machinery   Rs. 70000   Custom Duty Paid   Rs. 2100

Motor Car   Rs. 230000   Charity Paid   Rs. 3100

Provision for doubtful debts   Rs. 1200   Interest paid on Loan   Rs. 1000

Cash in Hand   Rs. 6700   30% Purchase is on Credit

Freehold Property   Rs. 213000   20% Sale is on Credit

Prepaid Expenses

Live Stock   RS. 3800

Rs.11000   Closing Adjustments

•   Goods at the End

Rs. 30000

Loan (Credit)   Rs.300000

Debtor Rs.81000

Creditor   Rs.16100

Transactions During the Year

Purchase during the year   Rs. 212000 Sale during the year   Rs.315000

Purchase return   Rs. 1800

Sale Return   Rs. 3000

BR Received during the year   Rs. 8000 BP Accepted during the year   Rs. 3900 Drawing during the year   Rs. 48000 Expenses paid   Rs. 12400

- Depreciate machinery, Motor Car @ 10% and Live Stock @ 5%

- Provision for doubtful debts @ 5%

- Create Provision for Discount on Debtor @5%

- Bad debt Rs. 1400

- Manager's Commission is 10% of Net Profit

- Closing Debtor Rs. 30000

- Closing Creditor Rs. 7000

To Prepare

- Journalize the above.

- Post them in Ledger.

- Maintain Trial Balance and Final Accounts

Class 12th Commerce Group E

Balances as on 1/4/2018

Inventory

Rs. 60000   Carriages on Sale

Carriages on PurchaseRs.1350

Rs. 2350

Furniture   Rs. 80000   Custom Duty Paid   Rs. 2100

Plant   Rs. 70000   Charity Paid   Rs. 3100

Investment   Rs. 100000   Interest Received on Loan   Rs. 1000

Provision for doubtful debts   Rs. 1200   60% Purchase and 40% Sale are   on Credit

Cash in Hand   Rs. 60000   Cash received from debtor   Rs. 900000

Freehold Property   Rs. 500000   Cash paid to Creditor Rs. 750000

Prepaid Expenses   RS. 3800   Expenses Paid Rs. 85000

Live Stock   Rs.11000   Closing Adjustments

10% Loan (Debit)   Rs.100000

Debtor Rs.80000

Creditor   Rs.56100

Transactions During the Year

Purchase during the year   Rs.1252000 Sale during the year   Rs.3035000

Purchase return   Rs. 28000

Sale Return   Rs. 30000 BR Received during the year Rs. 80000 BP Accepted during the year Rs. 39000 Drawing during the year   Rs. 48000 Wages   Rs. 150000

- •   Goods at the End   Rs. 30000

- •   Outstanding Wages   Rs. 15000

- •   Depreciate machinery, Building @ 10% and Motor Car @ 5%

- •   Provision for doubtful debts @ 5%

- •   Create Provision for Discount on Debtor @5%

- •   Bad debt Rs. 1400

- •   Manager's Commission is 10% of Net Profit

To Prepare

- ▯   Journalize the above.

- ▯   Post them in Ledger.

- ▯   Maintain Trial Balance and Final Accounts

CLASS XII

GEOGRAPHY

1.   Learn all solved ten year CBSE question papers

2.   Learn all sample papers from oswal and other book.

3.   Read all chapters from NCERT and learn all the questions from book

4.   Complete practical file

5.   Practice questions related to mean, median, mode, graphs, pie diagram from practical file

6.   Learn data from census 2011 (related to population) and HDI index

7.   Draw flow chart and map related to all chapters completed till date.