KENDRIYA VIDYALAYA LBSNAA MUSSOORIE
HOLIDAY HOME WORK FOR SUMMER BREAK
[15-05-2023 (MONDAY) TO 03-06-2023 (SATURDAY)]

CLASS: XII (ACCOUNTANCY)

From any reference book do the write the questions and make solutions one by one as per following:

1. 5 questions related provisions in the absence of partnership deed.
2. 2 questions related of interest of partner's capital (product method – calculation journal entries)
3. 3 questions related of interest of partner's capital (related to different provisions – calculation and journal entries.
4. 1-1 questions each from different situations of interest on drawings. (calculation and journal entries; total 21 questions on this topic)
5. 5 questions related to guarantee of profit. (calculation and presentation of profit and loss appropriation account.
6. 8 questions of different situations related to past adjustment.
7. 6 Features of partnership and 10 elements of partnership deed.

CLASS: XII (BUSINESS STUDIES)

Explain the following:

1. Meaning, features of management and importance of
2. Levels of management and Functions of management
3. Functions of each level of management
4. Nature of management as Science, Art and Profession along with their features.
5. Co-ordination and its importance
6. Meaning and nature of principles of management
7. Principles of management given by Henry Fayol. (Meaning, benefits of each principle and consequence of each principle if not followed in the organization)
8. Principles of scientific management
9. Techniques of scientific management
10. Elements / Dimensions / Components of business environment
11. Meaning and process of planning function of management
12. Different types of plan.
13. Difference between
    (a) Principle of unity of command and principle of unity of direction
    (b) Single use plan and Standing plan
    (c) Policy and Procedure
    (d) Method and Procedure
    (e) Strategy and Program
    (f) Policy and rule

Subject teacher: Viswanath Jaiswal
                         PGT-Commerce

KENDRIYA VIDYALAYA, LBSNAA MUSSOORIE

SUMMER BREAK

Holiday Home Work
Class-6th
Subject-Social Science

Note-Make a separate note book for this home work
Hand writing must be neat and clean.

A- ASSIGNMENT WORK
1-Who was the first president of the India?
2-Who is the chief minister of the Uttarakhand?
3-How many districts in the Garhwal mandal?
4-Name the major continent of the earth?
5-What is the full form of F.I.R.?
6-How do inscription help us in the study of history?
9-How did the early people get their food?
10-What were the main things by which tools were made up the early people?
11-What are the three components of a map?
12-What are the four cardinal directions?
13-Which is the third nearest planet to the sun?
14-The movement of the earth around the sun is known as?
15-Name the major continents of the earth?
16-Punch marked coins were made of?
17-What is the main works of the Police?

B- READING SKILL
1-To read chapter 'What,When, Where,How(History)
2-To read chapter 'Understanding Diversity'(Civics)

C-THINKING SKILLS
1-What do you think about Indian culture?(Write 10 lines)
2-What do you thinking about diversity in India?

D-MAP SKILLS
Do practice of all Indian States and capitals with the location on political map?

KENDRIYA VIDYALAYA MUSSOORIE

SUMMER HOLIDAY HOMEWORK 2023-24

Class: 8th A   **Subject: Mathematics**

A. Tick the correct option:

1. What should be added to -5/4 to get -1?

 (I) -1/4 (II) 1/4 (III) 1 (IV) -3/4

2. What should be subtracted from -5/4 to get -1?

 (I) -1/4 (II) 1/4 (III) 1 (IV) -3/4

3. Which of the following is the identity element?

 (I) 1 (II) -1 (III) 0 (IV) None of these

4. Which of the following is the Multiplicative identity for rational numbers?

 (I) 1 (II) -1 (III) 0 (IV) None of these

5. Which of the following is neither appositive nor a negative rational

number?

 (I) 1 (II) 0 (III) Such a rational number does not exist

 (IV) None of these

6. Which of the following lies between 0 and -1?

 (I) 0 (II) -3 (III) -2/3 (IV) 4/3

7. Which of the following is the reciprocal of a?

 (I) -a (II) a (III) 1/a (IV) -1/a

8. Which of the following is the product of 7/8 and -4/21?

 (I) -1/6 (II) 1/12 (III) -16/63 (IV) -147/16

9. Which of the following is the product of (-7/8) and 4/21?

 (I) -1/6 (II) 12 (III) -63/16 (IV) -16/147

10.Represent the following rational numbers on the number line:

        a) ¼   b) 5/4   c) -3/7   d) -11/ 5

11. The solution of 2x – 3 = 7 is:
(a) 2
(b) –2
(c) 5
(d) –5
12. Which of the following is not a linear equation.

(a) 2x + 5 = 1
(b) x − 1 = 0
(c) y + 1 = 0
(d) 5x + 3

13. The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find the present age of Sahil.
(a) 12
(b) 14
(c) 16
(d) 20

14. Find the solution of 2x + 3 = 7
(a) 2
(b) −2
(c) 3
(d) None of these

15. Solve: 8x = 20 + 3x
(a) 4
(b) −4
(c) 2
(d) None of these

16. Solve: $\frac{2}{3} + x + 1 = \frac{7}{3}$
(a) 2
(b) −2
(c) 3
(d) None of these

17. Solve: $\frac{x}{4} + \frac{x}{6} = x - 7$
(a) 12
(b) −12
(c) 3
(d) None of these

18. Find the solution of $\frac{3+x+5}{2+x+1} = \frac{1}{3}$
(a) 2
(b) −2
(c) 3
(d) None of these

B.Write and learn the all operational properties (closure,Commutative,etc.) of Rational Number.

C.Find 6 rational numbers between the following numbers:

      b) 4 and 5   b) 6/7 and 5/7   c) -3/5 and 1/5

D.Solve the following:

      c) 3/6 + 4/ 5   b) 1/7 -3/14   c) 14/25 × 45/7 d) 12/15 ÷ 5/2

E. Write three rational numbers occurring between 1/3 and 4/5.

F. Multiply the negative of 2/3 by the inverse of 9/7.

G. What should be added to -16/3 to make it 1/9?

H. What should be subtracted from 5/8 to make it -1?

I. Write different properties of a rational number.

J. Represent 3/4 and 8/9 on a number line.

K. Find the greater of the two -12/5 and 4/9

L. Multiply the negative of 29/2 by its inverse.

M. Solve:

a. $2y + 9 = 4$

b. $\frac{x}{3} + \frac{5}{2} = \frac{-3}{2}$

c. $\frac{15}{4} - 7x = 99$

d. $x - 2 = 7$

e. $y + 3 = 10$

f. $6 = z + 2$

g. $6x = 12$

h. $\frac{x}{5} = 10$

i. $\frac{2x}{3} = 18$

j. $7x - 9 = 12$

Note- A. Do the homework in a separate notebook.

B. Complete chapter 1 and 2 in notebook.

SUMMER HOLIDAYS H.W. SESSION 2023-24

CLASS: XII-Biology

Write and learn L-2, L-3, L-4, L-5 Notes and Q/A

Prepare notes on:

i)Air Pollution and its Control

ii)Water Pollution and its Control

iii) Greenhouse Effect and Global Warming

iv)Ozone Depletion in the Stratosphere

v)Deforestation

Class: X-Science

Write and learn L 1, L -6 ,L-10 Q/A
Draw diagram of :
i)cross-section of leaf
ii)Open and Closed Stomatal pore
iii)Nutrition in Amoeba
iv)Human alimentary canal .

Prepare Notes on:

i) Ozone Layer and how it is getting depleted

ii)Nutrition

Class:VIII-Science

L-1,L- 2, L-5   Q/A and important diagrams of L-2

Prepare notes on water pollution and air pollution

Draw chart of irrigation methods.

Prepare notes on Agricultural practices

Draw diagram of Solar System

HAPPY HOLIDAYS

CLASS VIII   **HOLIDAYS HOME WORK FOR SUMMER VACATION**   **SUB : MATHS**

Q1.   EXPLAIN THE FOLLOWING PROPERTIES WITH THE HELP OF 10 EXAMPLES OF EACH.

- CLOSURE PROPERTY FOR RATIONAL NUMBER.
- COMMUTATIVE PROPERTY FOR RATIONAL NUMBER.
- ASSOCIATIVE PROPERTY FOR RATIONAL NUMBER.
- DISTRIBUTIVE PROPERTY OF MULTIPLICATION OVER ADDITION AND SUBTRACTION FOR RATIONAL NUMBER.

Q2.   EXPLAIN THE CONCEPT OF RATIONAL NUMBER ON NUMBER LINE WITH THE HELP OF 10 EXAMPLES.

Q3.   EXPLAIN DIFFERENT TYPES OF QUADRILATERAL AND THEIR PROPERTIES WITH THE HELP OF DIAGRAMS (DIAGRAMS WITH COLOURED PAPER).

Q4.   EXPLAIN THE CONCEPT OF SOLUTION OF A LINEAR EQUATION IN ONE VARIABLE WITH THE HELP OF **20** EXAMPLES .(EXAMPLES MUST BE DIFFERENT FROM TEXT BOOK QUESTIONS).

Q5.   SOLVE **10** STATEMENT PROBLEMS RELATED TO TOPIC "LINEAR EQUATIONS IN ONE VARIABLE"(EXAMPLES MUST BE DIFFERENT FROM TEXT BOOK QUESTIONS).

- GATHER INFORMATION ABOUT ONE HISTORICAL MONUMENT OF INDIA AND WRITE ABOUT IT IN 100 TO 150 WORDS SPECIFYING THE MATHS USED IN IT.

- USE SEPARATE NOTE BOOK FOR HOLIDAYS HOME WORK.
- DO HOLIDAYS HOMEWORK YOURSELF ONLY, BUT IF YOU FIND PROBLEM THEN ONLY TAKE THE HELP OF YOUR ELDERS.

1.DESCRIPTIVE PARAGRAPH

i)**You recently visited the Children's Park, a favourite place for all children, in your city. Write a description of the park in 100-150 words.**

ii) One of your friends, Raman, is very gentle and polite to you. You regard him as your best friend. Describe him in 100-150 words.

2.STORY WRITING

Write a short story with the help of the cues given below. Give a suitable title to the story.

I) You encountered two strange people. They were different from normal human beings but they were quite interesting and exciting. As Amit/Manisha, using your ideas, write a story in about 150-200 words narrating your experience with them.

II)Going to Mumbai by train to attend marriage of a friend ….. got stuck in a traffic jam ….. reached the railway station late ….. boarded a wrong train ….. realised after two hours ….. now you … … …

3 .Revise and prepare question/ answer for your PT -2

4.Focus on Important characters and main points of the story.

……………………………………………….The End………………………………………………………….

Learn and write the following :

- What is matter ?
- What are the characteristics of matter ?
- Differentiate between solids , liquid and gas .
- Define the following : Rigidity , density , fluidity
- Convert the following temperatures to the Celsius scale : 278 K , 500 K , 470 K , 20 K
- Why does our palm feel cold when we put some acetone or petrol or perfume on it ?
- How does evaporation causes cooling?
- How does evaporation causes cooling ?
- Differentiate between homogenous and heterogeneous substances.
- What are the characteristics of solution , colloidal solution and suspension.
- Differentiate between mixtures and compounds .
- Differentiate between mixture and compounds.
- Define the following laws of chemical combination :
a) Law of conservation of mass
b) Law of Constant proportion
- Write the chemical formula of following compounds : a)Hydrogen chloride
c) Magnesium chloride   ©Calcium hydroxide   d)Carbon tetrachloride

ASSIGNMENT : Write name and symbol of elements mentioned in the table 3.1 in chapter 3(Atoms and molecules)on chart paper.

Class 9 Maths Holiday H.W

1.Revise All the work done in class.

2.Do Chap 1 & 2 in H.W copy along with solved examples.

3.Learn and write tables from 2 to 20.

4.Draw 2-D figures and write their Perimeter and Area.

5.Draw 3-D figures and write their surface area and volume.

   OR

Learn & Practice any vedic method for mental calculations.

4.Do complete given activities .

5.Do following worksheet in the pages of file to strengthen your understanding.

MCQ WORKSHEET-I
CLASS IX : CHAPTER - 1
NUMBER SYSTEM

1. Rational number $\frac{3}{40}$ is equal to:

   (a) 0.75   (b) 0.12   (c) 0.012   (d) 0.075

2. A rational number between 3 and 4 is:

   (a) $\frac{3}{2}$ (b) $\frac{4}{3}$ (c) $\frac{7}{2}$ (d) $\frac{7}{4}$

3. A rational number between $\frac{3}{5}$ and $\frac{4}{5}$ is:

   (a) $\frac{7}{5}$ (b) $\frac{7}{10}$ (c) $\frac{3}{10}$ (d) $\frac{4}{10}$

4. A rational number between $\frac{1}{2}$ and $\frac{3}{4}$ is:

   (a) $\frac{2}{5}$ (b) $\frac{5}{8}$ (c) $\frac{4}{3}$ (d) $\frac{1}{4}$

5. Which one of the following is not a rational number:

   (a) $\sqrt{2}$ (b) 0   (c) $\sqrt{4}$ (d) $\sqrt{-16}$

6. Which one of the following is an irrational number:

   (a) $\sqrt{4}$ (b) $3\sqrt{8}$ (c) $\sqrt{100}$ (d) $-\sqrt{0.64}$

7. Decimal representation of $\frac{1}{5}$ is :

   (a) 0.2   (b) 0.5   (c) 0.02   (d) 0.002

8. $3\frac{3}{8}$ in decimal form is:

   (a) 3.35   (b) 3.375   (c) 33.75   (d) 337.5

9. $\frac{5}{6}$ in the decimal form is:

   (a) $0.8\overline{3}$ (b) $0.8\overline{33}$ (c) $0.6\overline{3}$ (d) $0.6\overline{33}$

10. Decimal representation of rational number $\frac{8}{27}$ is:

    (a) $0.\overline{296}$ (b) $0.2\overline{96}$ (c) $0.29\overline{6}$ (d) 0.296

MCQ WORKSHEET-II
CLASS IX : CHAPTER - 1
NUMBER SYSTEM

1. Which one of the following is a rational number:
   (a) $\sqrt{3}$ (b) $\sqrt{2}$ (c) 0   (d) $\sqrt{5}$

2. 0.6666 in $\frac{P}{q}$ form is:
   (a) $\frac{6}{99}$ (b) $\frac{2}{3}$ (c) $\frac{3}{5}$ (d) $\frac{1}{66}$

3. $4\frac{1}{8}$ in decimal form is:
   (a) 4.125   (b) $4.\overline{15}$ (c) $4.1\overline{5}$ (d) $0.\overline{415}$

4. The value of $\left(3+\sqrt{3}\right)\left(3-\sqrt{3}\right)$ is:
   (a) 0   (b) 6   (c) 9   (d) 3

5. The value of $\left(\sqrt{5}+\sqrt{2}\right)^2$ is:
   (a) $7+2\sqrt{5}$ (b) $1+5\sqrt{2}$ (c) $7+2\sqrt{10}$ (d) $7-2\sqrt{10}$

6. The value of $\left(\sqrt{5}+\sqrt{2}\right)\left(\sqrt{5}-\sqrt{2}\right)$ is:
   (a) 10   (b) 7   (c) 3   (d) $\sqrt{3}$

7. The value of $\left(3+\sqrt{3}\right)\left(2+\sqrt{2}\right)$ is:
   (a) $6+3\sqrt{2}+2\sqrt{3}+\sqrt{6}$
   (b) $3+3\sqrt{2}+3\sqrt{3}+6$
   (c) $6-3\sqrt{2}-2\sqrt{3}-\sqrt{6}$
   (d) $6-3\sqrt{2}+2\sqrt{3}-\sqrt{6}$

8. The value of $\left(\sqrt{11}+\sqrt{7}\right)\left(\sqrt{11}-\sqrt{7}\right)$ is:
   (a) 4   (b) – 4   (c) 18   (d) – 18

9. The value of $\left(5+\sqrt{5}\right)\left(5-\sqrt{5}\right)$ is :
   (a) 0   (b) 25   (c) 20   (d) – 20

10. On rationalizing the denominator of $\frac{1}{\sqrt{7}}$, we get
    (a) 7   (b) $\frac{\sqrt{7}}{7}$ (c) $\frac{-\sqrt{7}}{7}$ (d) $\sqrt{7}$

MCQ WORKSHEET-V
CLASS IX : CHAPTER - 1
NUMBER SYSTEM

1. Which of the following is true?
   (a) Every whole number is a natural number   (b) Every integer is a rational number
   (c) Every rational number is an integer   (d) Every integer is a whole number

2. For Positive real numbers a and b, which is not true?
   (a) $\sqrt{ab}=\sqrt{a}\sqrt{b}$ (b) $\left(a+\sqrt{b}\right)\left(a-\sqrt{b}\right)=a^2-b$
   (c) $\sqrt{\frac{a}{b}}=\frac{\sqrt{a}}{\sqrt{b}}$ (d) $\left(\sqrt{a}+\sqrt{b}\right)\left(\sqrt{a}-\sqrt{b}\right)=a+b$

3. Out of the following, the irrational number is
   (a) $1.\overline{5}$ (b) 2.477   (c) $1.2\overline{77}$ (d) π

4. To rationalize the denominator of $\frac{1}{\sqrt{a}+b}$, we multiply this by
   (a) $\frac{1}{\sqrt{a}+b}$ (b) $\frac{1}{\sqrt{a}-b}$ (c) $\frac{\sqrt{a}+b}{\sqrt{a}+b}$ (d) $\frac{\sqrt{a}-b}{\sqrt{a}-b}$

5. The number of rational numbers between $\sqrt{3}$ and $\sqrt{5}$ is
   (a) One   (b) 3   (c) none   (d) infinitely many

6. If we add two irrational numbers, the resulting number
   (a) is always an irrational number   (b) is always a rational number
   (c) may be a rational or an irrational number   (d) always an integer

7. The rationalizing factor of $7-2\sqrt{3}$ is
   (a) $7-2\sqrt{3}$ (b) $7+2\sqrt{3}$ (c) $5+2\sqrt{3}$ (d) $4+2\sqrt{3}$

8. If $\frac{1}{7}=0.\overline{142857}$, then $\frac{4}{7}$ equals
   (a) $0.\overline{428571}$ (b) $0.\overline{571428}$ (c) $0.\overline{857142}$ (d) $0.\overline{285718}$

9. The value of n for which $\sqrt{n}$ be a rational number is
   (a) 2   (b) 4   (c) 3   (d) 5

10. $\frac{3\sqrt{12}}{6\sqrt{27}}$ equals
    (a) $\frac{1}{2}$ (b) $\sqrt{2}$ (c) $\sqrt{3}$ (d) $\frac{1}{3}$

11. $\left(3+\sqrt{3}\right)\left(3-\sqrt{2}\right)$ equals
    (a) $9-5\sqrt{2}-\sqrt{6}$ (b) $9-\sqrt{6}$ (c) $3+\sqrt{2}$ (d) $9-3\sqrt{2}+3\sqrt{3}-\sqrt{6}$

12. The arrangement of $\sqrt{2},\sqrt{5},\sqrt{3}$ in ascending order is
    (a) $\sqrt{2},\sqrt{3},\sqrt{5}$ (b) $\sqrt{2},\sqrt{5},\sqrt{3}$ (c) $\sqrt{5},\sqrt{3},\sqrt{2}$ (d) $\sqrt{3},\sqrt{2},\sqrt{5}$

13. If m and n are two natural numbers and $m^n=32$, then n^{mn} is
    (a) 5^2 (b) 5^5 (c) 5^{10} (d) 5^{12}

14. If $\sqrt{10}=3.162$, then the value of $\frac{1}{\sqrt{10}}$ is
    (a) 0.3162   (b) 3.162   (c) 31.62   (d) 316.2

15. If $\left(\frac{3}{4}\right)^6 \times \left(\frac{16}{9}\right)^5 = \left(\frac{4}{3}\right)^{x+2}$, then the value of x is
    (a) 2   (b) 4   (c) -2   (d) 6

http://www.art-and-archaeology.com/india/jaipur/jan1.html
OR
Learn & Practice any vedic method for calculation.

KENDRIYA VIDYALAYA MUSSOORIE

HOLIDAY HOME WORK 2023-24 (summer vacation)

CLASS 9 th

 1 . Revision- PT-1 syllabus

History- Chapter 1, Geography- Chapter 1, Economics – Chapter 1,Political Science – Chapter 1.

* Revise five questions daily and write any two questions from them
daily .
* Revise chapter wise map work also.

* Complete your note book properly.

2. PROJECT WORK :- 1

Make a project file on Disaster management.

(As per CBSE curriculum) Earthquake, Flood, Tsunami,etc.

PROJECT WORK :2

State Project notebook/ Scrap book / PPT on paired state karnatka State.

> (Each student shall maintain state project- introduction, historical place indigenous games of the state and other important and interesting information about the state.

Class 10 A English

Q)Complete A,B and C in Project File

A.Write article on the following topics:

a)Importance of education

b)Digital learning-boon or bane

B. Write a **letter to the editor** of a national daily, expressing your opinion and views on the increased human dependence on technology. Right from a small child to an adult, or even an old man, everyone wants gadgets only-cell phone, I-pod, laptop, etc. This also has a negative effect on social relationships.

C. **Fill in the blanks with a verb form that agrees with the subject.**
1. Smoking cigarettes ……………………….. injurious to health. (is / are)

2. She ……………………….. a living by writing stories. (makes / make)

 3. Collecting stamps ……………………… his hobby. (is / are)

4. Neither Janet nor Maria ……………………….. a car. (own / owns)

5. Either he or his parents ……………………….. to pay the dues. (has / have)

6.The headmaster as well as the teachers ……………………….. present at the meeting. (was / were)

7. He along with his friends ………………………… holidaying in Morocco. (is / are)

8. Two-thousand pounds ………………………… not a small sum. (is / are)

9. Mathematics ……………………….. difficult for many students. (is / are)

10. Rohan and Sania ………………………cousins. (is / are)

11. Neither ghee nor butter ……………………….. with me. (agree / agrees)

12. I know a man who ……………………….. old radios. (repair / repairs)

D.Write question-answers of the following lessons in HW notebook.

1.A letter to God

2.Nelson Mandela

3.A triumph of surgery.

……….The End…………

CLASS X MATHS HOLIDAY HOME WORK

1. Revise all the work done in class.
2. Write a paragraph on the topic ' ADVANTAGES OF STUDYING MATHS' (200 words)
3. Learn tables from 11 to 20.
4. Write and learn square and square roots from 1 to 30.
5. Write and learn cube and cube roots from 1 to 15.
6. Study about any one famous Indian mathematicians and write about their contribution to Mathematics.
7. Solve the following worksheets.

MATHS WORKSHEET

CLASS X

CHAPTER: REAL NUMBERS

1. Find HCF and LCM of 625, 1125 and 2125 using prime factorisation.

2. Find the HCF and LCM of 96 and 404 using prime factorisation.

3. The HCF of two numbers is 9 and their LCM is 2016. If the one number is 54, then find the other number.

4. If p and q are positive integers such that $p = ab^2$ and $q = a^2b$, where 'a' and 'b' are prime numbers, then find the LCM (p, q).

5. Given that $\sqrt{5}$ is irrational, prove that $3 - 2\sqrt{5}$ is irrational.

6. Find the ratio of LCM and HCF of the least composite and the least prime numbers.

7. Given that $\sqrt{5}$ is irrational, prove that $2 + 3\sqrt{5}$ is irrational.
8. Prove that $\sqrt{3}$ is an irrational number.
9. Prove that $\sqrt{5}$ is an irrational number.

10. Show that the number 6^n never end with digit 0 for any natural number n.

11. Prove that $\sqrt{3} + \sqrt{5}$ is an irrational number

MATHS WORKSHEET

CLASS X

CHAPTER: POLYNOMIALS

1. If α, β are the zeroes of the polynomial P(x) = $4x^2$ + 3x +7, then find the value of $\dfrac{1}{\alpha} + \dfrac{1}{\beta}$

2. If one zero of the quadratic polynomial $2x^2$ + px + 4 is 2, find the other zero. Also, find the value of *p*.

3. Find a quadratic polynomial whose one zero is 5 and product of zeroes is 30.

4. Find a quadratic polynomial whose zeroes are 3 and –5.

5. Find a quadratic polynomial whose zeroes are $5 + \sqrt{2}$ and $5 - \sqrt{2}$.

6. If the product of the zeroes of the polynomial $ax^2 - 6x - 6$ is 4, then find the value of a. Also find the sum of zeroes of the polynomial.

7. Find the zeroes of the quadratic polynomial $x^2 - 2x - 8$ and verify the relationship between the zeroes and the coefficients of the polynomial.

8. Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeroes and the coefficients of the polynomial.

9. Find the zeroes of the quadratic polynomial $2x^2 - x - 6$ and verify the relationship between the zeroes and the coefficients of the polynomial.

MATHS WORKSHEET

CLASS X

CHAPTER: PAIR OF LINEAR EQUATIONS

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

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

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

4. Given the linear equation $3x + 4y - 8 = 0$, write another linear equation in two variables such that the geometrical representation of the pair so formed is parallel lines.

5. Find whether the following pair of linear equations is consistent or in consistent: $3x + 2y = 8$ and $6x - 4y = 9$.

6. The area of a rectangle gets reduced by 9 square units, if its length is reduced by units and breadth is increased by 3 units. If we increase the length by 3 units and the breadth by 2 units, the area increases by 67 square units. Find the dimensions of the rectangle.

7. 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?

8. A part of monthly hostel charges in a college is fixed and the remaining depends on the number of days one has taken food in the mess. When a student 'A' takes food for 22 days, he has to pay Rs. 1380 as hostel charges; whereas a student 'B', who takes food for 28 days, pays Rs. 1680 as hostel charges. Find the fixed charges and the cost of food per day.

9. 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?

10. 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.

11.Do solved examples of A.P.

Solve previous years Board Papers of Chapters done in the class.

KENDRIYA VIDYALAYA MUSSOORIE

HOLIDAY HOME WORK 2023-24 (summer vacation)

CLASS 10TH

 1 . Revision work for PT-1

History- Chapter 1, Geography- Chapter 1, Economics – Chapter 1,Political Science – Chapter 1.

Revise five questions daily and write any two questions from them
daily .

3. Revise chapter wise map work also.

Complete your note book properly.

2. PROJECT WORK :- 1

Every students has to prepare project on any one of the following topics:

1. Consumer Awareness
2. Social issues
3. Sustainable Development

KENDRIYA VIDYALAYA, LBSNAA MUSSOORIE

SUMMER BREAK

HOLIDAY ASSIGNMENT 2023-24
Class-12C
Subject-Political Science

Political Science Project-
Prepare a project according to CBSE guidelines.
Some suggested topics are:

A.(ASEAN).
B.SAARC
C.EU

General Instructions:
1. Project should be summed up in 10-12 pages.
2. Read and revise the chapters taught in the class.
Note-Make a separate note book for holiday home work

Section A

1. What was the Soviet System?
2-Timeline of Disintegration of the Soviet Union?
3-What is the Consequences of Disintegration?
4. Timeline of European Integration?

Section B

5. The rise of Chinese economy?
6.What do you mean by India-China Relations?
7-How many Principle Organ of United Nation? Describe it
8-Why International Organisations?

Section C
9-What is the timeline of Founding of the United Nations?
10-What is the reasons for Ethnic conflicts in India?
11-Mention two areas each of cooperation and disagreement between India and Bangladesh?
12-List three challenges to democracy in Nepal?
13-The peace and prosperity of countries lay in the establishment and strengthening of regional economic organisations. Justify this statement.
14-Solve the question paper(Political science)of April-May Monthly examination 2023-24.

Holiday Homework (Chemistry)

1. Study all the concepts from chapter 1,2 & 3.
2. Solve all intext and example questions from first two chapters.
3. From exercise- Chapter 1   Q4,7,8,9,11,12,14,16,20,21,23,24 & 25.
4. Chapter 2 Q no. 4,6,8,12,20,21,23, 27,32,35,40,41.
5. Chapter-3 (All questions)

KENDRIYA VIDYALAYA LBSNAA MUSSOORIE
HOLIDAY HOMEWORK
SUBJECT:- ECONOMICS
CLASS: XII

1. Prepare one Project for the session 2023-24.

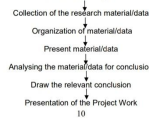**Guidelines for Project Work in Economics (Class XI and XII)**

The **objectives** of the project work are to enable learners to:

- probe deeper into theoretical concepts learnt in classes XI and XII
- analyse and evaluate real world economic scenarios using theoretical constructs and arguments
- demonstrate the learning of economic theory
- follow up aspects of economics in which learners have interest
- develop the communication skills to argue logically

The **expectations** of the project work are that:

- learners will complete only **ONE** project in each academic session
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written
- it will be an independent, self-directed piece of study

Role of the teacher:

The teacher plays a critical role in developing thinking skills of the learners. A teacher should:

- help each learner select the topic based on recently published extracts from the news media, government policies, RBI bulletin, NITI Aayog reports, IMF/World Bank reports etc., after detailed discussions and deliberations of the topic
- play the role of a facilitator and supervisor to monitor the project work of the learner through periodic discussions
- guide the research work in terms of sources for the relevant data
- educate learner about plagiarism and the importance of quoting the source of the information to ensure authenticity of research work
- prepare the learner for the presentation of the project work
- arrange a presentation of the project file

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:

Choose a title/topic
↓
Collection of the research material/data
↓
Organization of material/data
↓
Present material/data
↓
Analysing the material/data for conclusion
↓
Draw the relevant conclusion
↓
Presentation of the Project Work

10

Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- *Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.*

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

Marking Scheme:

Marks are suggested to be given as –

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Suggestive List of Projects:

Class XII

• Micro and Small Scale Industries	• Food Supply Channel in India
• Contemporary Employment situation in India	• Disinvestment policy of the government
• Goods and Services Tax Act and its Impact on GDP	• Health Expenditure (of any state)
• Human Development Index	• Inclusive Growth Strategy
• Self-help group	• Trends in Credit availability in India
• Monetary Policy Commitee and its functions	• Role of RBI in Control of Credit
• Government Budget & its Components	• Trends in budgetary condition of India
• Exchange Rate determination – Methods and Techniques	• Currency War – reasons and repercussions
• Livestock – Backbone of Rural India	• Alternate fuel – types and importance
• Sarva Shiksha Abhiyan – Cost Ratio Benefits	• Golden Quadrilateral- Cost ratio benefit
• Minimum Support Prices	• Relation between Stock Price Index and Economic Health of a Nation
• Waste Management in India – Need of the hour	• Minimum Wage Rate – Approach and Application
• Digital India- Step towards the future	• Rain Water Harvesting – A solution to water crisis
• Vertical Farming – An alternate way	• Silk Route- Revival of the past
• Make in India – The way ahead	• Bumper Production- Boon or Bane for the farmer
• Rise of Concrete Jungle- Trend Analysis	• Organic Farming – Back to the Nature
• *Aatmanirbhar* Bharat	• e-Rupee (e- ₹)
• Sri Lanka's Economic Crisis	• Sustainable Development Goals (SDG's)
• Environmental Crisis	• Comparative Study of Economies (Maximum three economies)
• New Education Policy (NEP) 2020: A Promise for a New Education System	• G-20: Inclusive and Action Oriented
• Amrit Kaal: Empowered and Inclusive Economy	• Cashless Economy
• Any other newspaper article and its evaluation on basis of economic principles	• **Any other topic**

2. Distinguish between final goods and intermediate goods.
3. Explain circular flow of income in a two sector economy .
4. Distinguish between stock and flow variables with examples.
5. Explain the functions of money.
6. What is meant by money supply? Define M1 measure of money supply.
7. How does the central bank control the credit with the help of 'Repo Rate'? Explain.
8. Explain the process of credit creation by commercial banks.
9. If planned savings fall short of planned investment in an economy, state it's likely impact on output and employment.
10. Explain the process of multiplier mechanism with the help of an example.
11. What is fiscal policy? How is it used to correct excess and deficient demand?

12. Distinguish between inflationary gap and deflationary gap. Show deflationary gap on a diagram.
13. What is the difference between fiscal policy and monetary policy? Explain in brief two methods of fiscal policy to control excess demand.
14. What do you understand by the concept of full employment? Does it refer to a situation of zero unemployment?

CLASS 6 SESSION 2023-2024
SUMMER VACATION H.W

Q.1 Write 3 stories on-
1) The thirsty crow
2) Greedy dog
3) Fox and the crow.

Q.2 Write an application requesting your principal to grant you three days leave as you are sick .

Q.3. Write a letter to your friend inviting him on your birthday party.

Q.4. Write paragraph on
1) Importance of Homework.
2) Importance of Trees
3) My pet
4) The subject I like the most

Kendriya Vidyalaya Mussoorie
CLASS 7TH   2023-2024
SUMMER VACATION H.W.

Q.1 Application writing-

1) Write an application to the principal requesting him/her for fee concession.

2) Write an application to the principal requesting for an excursion.

Q.2 Letter Writing-

1) Write a letter to your uncle thanking him for the birthday present.

2) Write a letter to your father asking him to send you money for buying books.

Q.3. Paragraph writing-

1) My pet 2) Pollution 3) Importance of education 4) Save water Save life.

Q.4.Notice Writing

1)You have a lost your notebooks. Write a notice for this giving necessary information.

2)Write a notice for organizing an Inter-house Group dance competition OR painting competition.

Kendriya Vidyalaya Mussoorie

SUMMER VACATION HOMEWORK 2023-2024

CLASS - VIII   SUBJECT ENGLISH

1 **STORY WRITING**

Complete the story by using the given outlines;

A farmer had five sons _____ were strong and _____ always quarrelled _____ the farmer wanted _____ to stop quarrelling _____ wanted to live in peace _____ words of advice _____ not have much effect _____ called all his sons _____ bundle of sticks _____ break these sticks without separating _____ Each of the tried one by one _____ used their full strength _____ the old man separated the sticks They could break the sticks easily _____ farmer said _____ strong as long as it is tied up _____ will be weak if you are divided.

2 **LETTER WRITING** (Letter to the Editor)

Write a letter to the Editor regarding the problem of waterlogging in your area.

 You are Raj / Rani of Dharma colony, Ramgarh.

3.**DIARY ENTRY**

You went to receive your uncle and aunt from the Bangalore railway station. Write a diary where you share your experience of the journey from home to the railway station.

4 Write an article on the topic:

The Purpose Of Education

Do reading practice daily, underline important words and learn spellings

विषय / Subject - Geography H·HW   दिनांक / Date 11/5/23

→ Identify atleast 15 mcqs from Primary activities.
→ 5 world Map and 5 India Map.
→ Write a note on Hunting and Gathering.
→ Define Primary Activities
→ Note on Pastoralism.
→ What is Commercial livestock rearing?
→ Differentiate between Primitive Subsistence agriculture and Intensive Subsistence agriculture.
→ Note on Plantation Agriculture.
→ Note on Extensive Commercial Grain Cultivation.

विषय / Subject   दिनांक / Date _____

→ What is Mix farming and dairy farming?
→ What is Mediterranean agriculture?
→ What is Truck farming?
→ What is cooperative and collective farming?
→ What is Mining? Factors which affect mining.
→ What are the methods of Mining?

Kendriya Vidyalaya Mussoorie
Summer Holiday Homework 2023-24

Class- VI A/B   Subject-Maths

1). Write the Roman Numeral from 1 to 500.

2). A Crore has _____ lakhs.

3).The successor of 999 is_____

4).Even number is divisible by ---------

5). ---------------- is the Smallest natural number .

6).Insert commas suitably & write the number name of

   i) 16573449   ii) 287651009   according to Indian system of numeration

7).write the first 5 multiples of "8".

8).Find the sum by suitable arrangement.

   i) 832 + 553 + 168 + 447   ii) 3578 X 123 - 3578 X 23

9).Write the numeral for "Ten Crore Sixty five lakhs Twenty One thousand Sixty Three".

10).Find the difference between the greatest and the least 6-digit number.

11). Population of a town was 4, 95,000 in the year 2019.In the year 2020 it was to be decreased by 72,958. What was the population of that town in 2020?

12).To stitch a shirt , 2m 15cm cloth is needed. Out of 40m 50cm cloth, how many shirts can be stitched and how much cloth will remain?

13).Raju had Rs.6980/- with him .He bought a fan for Rs.1900/- and a music system for Rs.3080/-.Find the amount that is left with Raju.

14) i) Add: 24560 + 379 +1467   ii) Subtract 9457 from 16115

   iii) Multiply 29840 by 26   iv) Divide 56646 by 27

15).Find the factors of : a) 45   b) 16   c) 8   d) 100

16). Insert commas Suitably & write the number names according to International Number System

   i) 45296510   ii) 965006467   iii) 11203688

17) Learn and write (two times) tables from 2 to 20.

Kendriya Vidyalaya Mussoorie

SUMMER VACATIONS HOMEWORK

CLASS - IXth , SUBJECT - MATHS

Q.01- Solve the following and find 3 rational between

  I)   1/3 & ½

  II) -2 & 0

Q.02- Write 2 rational numbers between 2/3 & 5/6

Q.03- Which of the following decimal have terminating

  I) 7/20

  II) 2/13

  III) 23/7

  IV) 133/125

Q.04- Express these in the form of p/q

  I) $0.\overline{6}$ (Bar 6)

  II) $0.\overline{27}$ (Bar 27)

  III) $3.\overline{7}$ (Bar 7)

Q.05- Identify that following are rational or irrational

  I) $\sqrt{121}$ (Root 121)

  II) $(3+\sqrt{5})-\sqrt{5}$

  III) $2\sqrt{27}/\sqrt{3}$ *(Root 27 & root 3)*

  IV) $\sqrt{135}$ (Root 135)

  V) $1.\overline{21}$ (Bar 21)

  VI) 1.101001000.......

Q.06- Rationalise

    I) $\sqrt{5} / \sqrt{3}+\sqrt{2}$

    II) $2+\sqrt{3} / \sqrt{7}-\sqrt{2}$

    III) $4 / \sqrt{7}+\sqrt{3}$

Q.07- Find the value of a & b, if

    I) $\sqrt{3}-1 / \sqrt{3}+1 = a+b\sqrt{3}$

    II) $\sqrt{3}+2 / \sqrt{3}-2 = a+b\sqrt{2}$

    III) $\sqrt{7}-1 / \sqrt{7}+1 - \sqrt{7}+1 / \sqrt{7}-1 = a+b\sqrt{7}$

Q.08- Simplify the following

    I) $(\sqrt{2}+2)^2$

    II) $(2-\sqrt{2}) (2+\sqrt{2})$

    III) $(\sqrt{2}+\sqrt{3})^2$

Q.09- Find the remainder when (y^3+y^2-2y+5) is divided by $(y-5)$ with division method.

Q.10- Find the remainder when polynomial (x^4-3x^2+2x-5) is divided by $(x-2)$ by remainder theorem.

Q.11- Complete chapter 1st and chapter 2nd.

Q.12- Revise chapter 1st and chapter 2nd.

****

Kendriya Vidyalaya Mussoorie

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Kendriya Vidyalaya Mussoorie
Summer Holiday Homework 2023-24

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15).Find the factors of : a) 45   b) 16   c) 8   d) 100

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17) Learn and write (two times) tables from 2 to 20.

Holiday Home work (Science)

CLASS – IX A

Learn and write the following :

- What is matter ?
- What are the characteristics of matter ?
- Differentiate between solids , liquid and gas .
- Define the following :
    Rigidity , density , fluidity
- Convert the following temperatures to the Celsius scale :
    278 K , 500 K , 470 K , 20 K
- Why does our palm feel cold when we put some acetone or petrol or perfume on it ?
- How does evaporation causes cooling?
- How does evaporation causes cooling ?
- Differentiate between homogenous and heterogeneous substances.
- What are the characteristics of solution , colloidal solution and suspension.
- Differentiate between mixtures and compounds .
- Differentiate between mixture and compounds.
- Define the following laws of chemical combination :
    a) Law of conservation of mass
    b) Law of Constant proportion
- Write the chemical formula of following compounds :
    a)Hydrogen chloride
    b) Magnesium chloride
    c)Calcium hydroxide
    d)Carbon tetrachloride
    ASSIGNMENT : Write name and symbol of elements mentioned in the table 3.1 in chapter 3(Atoms and molecules)on chart paper.

VI

Write and learn the following :

1. Q no 1 ,2 ,3 ,4 ,5 of chapter (Components of food)
2. Q no 1, 3 ,4,5 ,6 ,7 of chapter (Sorting materials into groups)
3. Write 5 examples of the following objects:
    a) Transparent object
    b) Translucent object
    c) Opaque object
4. Write 4 examples of following types of plants :
    a) Herb

b) Shrub
c) Tree
5. Draw the well labelled diagram of leaf.
    ASSIGNMENT : i) Collect the leaves showing reticulate and parallel venation.
    ii) Mention the food that you ate for any two days , also mention the type of nutrient that you get from that food. Write this information in tabular form.

VII
Learn and write the following :
1. Q No 1,2 ,5,6,7 ,9,10 of chapter (Nutrition in plants)
2. Q No 1,2 ,4,5 ,9 ,11 of chapter (2)
3. Write 5 examples of following :
    a) Conductor
    b) Insulators
4. **Q** No 3 ,4 ,8 of chapter (Heat)
    ASSIGNMENT : Draw the well labelled diagram of following :
    a) **H**uman digestive system
    b) Amoeba

VIII
Learn and write the following :
1. Define the following :
    a) Weed
    b) Manure
    c) Communicable diseases
    d) Antibiotic
    e) Fossil fuels
2. Learn and write Q no 1-10 of chapter (Crop Production and management)
3. Learn and write Q no 1-9 of chapter (Microorganisms : friends and foe)
4. Explain the process of formation of petroleum.
5. Learn and write Q no 4 ,5 of chapter (Coal and petroleum)

    ASSIGNMENT : Draw the nitrogen cycle on chart paper.

गृह कार्य / HOME ASSIGNMENTS

विषय / Subject SS c	दिनांक / Date 11/05/23

SSc

1. Write Questions and answer of Ch-2 of SPL With Glossary.
2. Attempt Exercise from ch-1 & ch-2 of History.
3. Read ch-1 & Ch-2 of History.
4. India map - State and capitals.

<u>संस्कृत गृहकार्य</u>

<u>कक्षा 6</u>

1.बालक बालिका पुष्प मुनि भानु शब्द रुपाणि एकबारं लिखत।

2.पठ् गम् धातुरूपौ लिखत लट् लृट् लङ् लोट् लकारे

3. प्रथम पाठस्य शब्दार्थाः लिखत स्मरत च।

<u>कक्षा 7</u>

1. प्रथम पाठस्य सर्वाणि श्लोकानि एक बारं लिखत स्मरत च।

2.नदी वारि मधु पितृणाम् शब्दरूपाणि एक बारं लिखत।

3.चर् कृ वश् दृश् धातुरूपाणि लिखत (पञ्च लकारेषु)

<u>कक्षा 8</u>

1.प्रथम पाठस्य सर्वाणि श्लोकानि एकबारं लिखत

2. यत् शब्दरूपं त्रिषु लिङ्गेषु लिखित

एकपञ्चाशततः शतं पर्यन्तं

3. संख्यावाचकशब्दाः लिखत

4. चर् धातु रूप पञ्चलकारेषु लिखत

<u>हिन्दी ग्रीष्म अवकाश गृहकार्य</u>

<u>कक्षा 8</u>

1. भारत की खोज से 12 पेज सुलेख लिखें

2.पत्र लेखन

क) नगर पालिका अध्यक्ष से को अपने क्षेत्र में व्याप्त गंदगी की समस्या को बताते हुए उसके निस्तारण हेतु प्रार्थना पत्र

ख) बड़ी बहन के विवाह में उपस्थित होने हेतु प्राचार्य महोदय से 7 दिन का अवकाश प्रार्थना पत्र

ग) अपने मित्र को मसूरी भ्रमण हेतु आमंत्रण पत्र

3. निबंध

सर्व शिक्षा अभियान।

. . . .

–स्कन्द कुमार मौर्य