THE S.D VIDYA SCHOOL
CLASS-IX
SUMMER HOLIDAY HOME WORK

SCIENCE

ASSIGNMENT NO.-2   **DATE OF SUBMISSION: 6TH JUNE, 2020**

1. Name the following process:
   a. Conversion of liquid to gas
   b. Conversion of gas into liquid
2. Two liquids A and B have boiling points 350K and 375K respectively. Which of the two has greater intermolecular forces of attraction?
3. Predict whether the process of evaporation increases/decreases with the following factors:
   a. decrease in humidity   b. increase of surface area
4. Liquid X has stronger intermolecular forces than liquid Y. Will it boil at lower or higher temperature than Y?
5. What is dry ice?
6. Select the substance which can sublime:
   Ammonium chloride, sodium chloride
7. Give four differences between bone and cartilage
8. Give the functions of cartilage.
9. Why is blood called connective tissue?
10. Draw a neat labelled diagram of nervous tissue.

MATHEMATICS

ASSIGNMENT -2   **Date of Submission:6th June,2020**

1. Express the following linear equations in the form $ax + by + c = 0$ and indicate the values of a, b and c in each case:
   a. $-2x+3y = 6$
   b. $y - 2 = 0$
2. Write four solutions for each of the following equations:
   a. $2x + y = 7$
   b. $\pi x + y = 9$
3. Find the value of k, if $x = 2$, $y = 1$ is a solution of the equation $2x + 3y = k$.
4. Draw the graph of each of the following linear equations in two variables:
   a. $y = 3x$
   b. $3 = 2x + y$
5. If the point (3, 4) lies on the graph of the equation $3y = ax + 7$, find the value of a.
6. Show that the points A (1, 2), B (– 1, – 16) and C (0, – 7) lie on the graph of the linear equation $y = 9x – 7$.
7. Draw the graph of the linear equation $3x + 4y = 6$. At what points, the graph cuts X and Y-axis?
8. If the work done by a body on application of a constant force is directly proportional to the distance travelled by the body, express this in the form of an equation in two variables and draw the graph of the same by taking the constant force as 5 units. Also read from the graph the work done when the distance travelled by the body is:
   a. 2 units
   b. 0 unit
9. The taxi fare in a city is as follows: For the first kilometre, the fare is ₹ 8 and for the subsequent distance it is ₹5 per km. Taking the distance covered as x km and total fare as ₹ y, write a linear equation for this information, and draw its graph.
10. Give the geometric representations of $2x+9 = 0$ as an equation:
    a. in one variable
    b. in two variables

SOCIAL SCIENCE

ASSIGNMENT NO. 2   **Date of Submission:6ᵗʰ June,2020**

Q1. Who had the burden of taxes of the state?

Q2. What services were the peasants obliged to render to the lord?

Q3. What was the population of France in 1715?

Q4. What was the population of France in 1789?

Q5. What was the staple food of the people of France?

Q6. What is Subsistence Crisis?

Q7. What idea did the philosopher John Locke give?

Q8. What idea did the philosopher Jean Jacques Rousseau give?

Q9. What idea did Montesquieu give?

Q10. Where were the ideas of the philosophers discussed?

Q11. What was the importance of the declaration of the Rights of Man
     and Citizen under the constitution of 1791 of France?

Q12. What were the causes of empty treasury at the time of Louis XVI?

Q13. What led to the emergence of the middle class in the 18th century?

Q14. Explain the impact of French Revolution on France in everyday life
     of people.

Q15. Which was the reign of Robespierre termed as 'reign of terror'
     despite various reforms introduced by him?

हिंदी

कार्य पत्रिका -2   **कार्य जमा करने की तिथि :- 6 जून ,2020**

प्रश्न- 1 हम धूल से घृणा करते है, किन्तु लेखक के अनुसार घूल अच्छी है | **स्पष्ट कीजिए** |

प्रश्न- 2 लेखक ने व्यक्ति के जीवन में किस आयु में घूल को उसके जीवन में साथी बताया है स्पष्ट कीजिए |

प्रश्न- 3 लेखक ने घूल को सोने के समान कब और क्यों बताया है ?

प्रश्न- 4 लेखक किसके मुँख पर छाई गोधूलि को सर्वश्रेष्ठ मानते है और क्यों ?

प्रश्न- 5 "हीरा वही घन चोट न टूटे" पंक्ति का अर्थ स्पष्ट कीजिए |

ASSIGNMENT NO :2   **DATE OF SUBMISSION: 6th June, 2020**

1. **Make a collage on an A3 size sheet or chart paper (A 3 size only). Use powerful visuals/photographs cut out from newspapers and/or magazines and sayings/quotes/slogans made from alphabets/whole slogans or quotes cut out from magazines/ newspapers etc. There should be bare minimum use of poster colours and sketch pens. Ensure that the colour scheme is visually pleasing and eye catching. Use any ONE of the following socially relevant themes:**
   a. Agriculture
   b. Indoor cultivation of Chinese bamboo.
   c. Animal nutrition.
   d. Climate change
   e. Cover crop
   f. Crop management

   2. **Read at least one title from the following written by Sudha Murty:**
   a) How I Taught My Grandmother To Read: And Other Stories
   b) Three Thousand Stitches, Ordinary People, Extraordinary Lives
   c) Something Happened On the Way to Heaven: 20 Inspiring Real-Life Stories