

MILESTONE ACADEMY
VACATION HOME- WORK
CLASS – IX

SUBMISSION DATE : 15.06.22

ENGLISH :-

1. Nowadays, use of digital devices has increased and digital services have made our cash transaction easier and smoother. Government of India has taken initiatives to digitalise cash transactions to buy things and pay bills. Following are some of the digital initiatives to make people use digital services.



Collect opinions of people/relatives/family members on the use of digital services in their daily life . Develop an opinionnaire to collect opinions of about 10 people in your family and neighbourhood . Collect the opinion ,tabulate the ideas and write a report about the use of digital devices.

2. Read the Newspaper daily and write only one news article under the given headings like National, International, Sports, Glamour, Business and express your views on it.
3. Make a ppt or chart on all types of tense with examples.

HINDI:-

प्रश्न 1. यूकेन एवं रूस के युद्ध के दौरान भारत की भूमिका पर अपने विचार व्यक्त कीजिए।



प्रश्न 2. "एवरेस्ट मेरी शिखर यात्रा" पाठ में आए 10 अनुस्वार एवं 10 अनुनासिक शब्दों को लिखिए।

प्रश्न 3. दो मित्रों के बीच आपकी पाठ्यपुस्तक के पाठ रहीम के दोहे के अनुसार अन्य कवियों की नीति संबंधी दोहे या कविता को लेकर हुई बातचीत को संवाद के रूप में लिखिए तथा उन दोहो/ कविताओं को चार्ट पर लिख कर भित्ति पत्रिका पर लगाइए।

प्रश्न 4. बच्चों अभी तक आपको जो भी पाठ पढ़ाये गए हैं। उनमें से आपको कौन सा पाठ सबसे ज्यादा अच्छा लगा और क्यों ? अपने शब्दों में उत्तर लिखिए।

Sanskrit :

प्र.1 शब्दरूपाणि लिखत-

1. संज्ञा शब्द- साधु, मुनि, नदी, रमा, पितृ ।
2. सर्वनाम शब्द- अस्मद्, युष्मद्

प्र. 2 धातुरूपाणि लिखत-

1. परस्मैपदी- वद्, नी, दश्, अस्, कृ ।(लट्, लङ्, लोट् लकार में)
2. आत्मनेपदी- सेव्, लभ् ।(लट् व लोट् लकार में)

प्र.3 अधोलिखित विषयोः उपरि पञ्च वाक्यानि लिखत-

1.परोपकारः

2.संस्कृत भाषायाः महत्वम्

प्र.4 नीचे लिखे महावाक्यो का हिंदी में अर्थ लिखें ।

1. असतो मा सद्गमय ।

तमसो मा ज्योतिर्गमय ।

मृत्योर्माऽमृतं गमय ॥

2. उत्तिष्ठ , जाग्रत , गच्छेत्, यावत् लक्ष्यं न लभेत ।

3. योगः कर्मसु कौशलम् ।

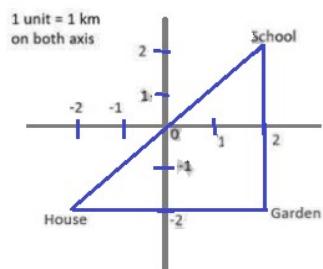
4. नास्ति सत्यात् परं तपः ।

5. यशः शरीरं न विनश्यति ।

MATHS :

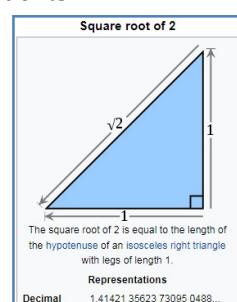
1. Rahul is studying in Class 9, walks to his school every day. There are two routes from his house to the school. One of the routes connects his house to the school directly, while the other takes a sharp right turn around a garden. Both routes are shown in the graph.

- Find the distance from Rahul's house to garden.
- Find the distance from garden to Rahul's school.
- Find the shortest distance from Rahul's house to his school.



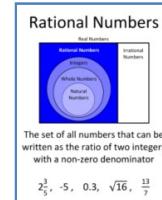
2. A teacher conducted an activity on real numbers where each student has to pick a number card from a bunch of cards and frame a question for the rest of the students. The number cards picked up by first 5 students and their questions on the numbers has been recorded.

- Sreelatha picked up Card : $\sqrt{2}$ and framed a question – Which of the following is true about $\sqrt{2}$?
 - It is a rational number
 - It is a natural number
 - It is an irrational number

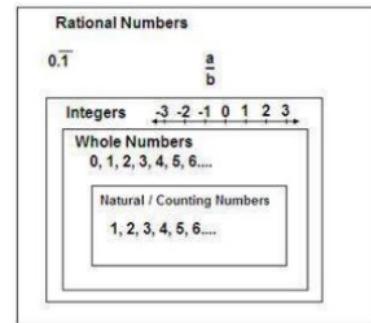


- b. Nisha picked up **Card: Rational Numbers** and framed a question – Which of these is not an irrational number?
- $\sqrt{8} - \sqrt{3}$
 - $2 - \sqrt{6}$
 - $3\sqrt{16} - \sqrt{9}$

Be part of this Activity: Prepare next three cards and frame question for each card based on real numbers.



3. Rational numbers, which consists of positive numbers, negative numbers and zero. Integers include whole numbers. Below is the diagrammatic representation.
- Give example of numbers which are not Natural number.
 - Fractions are part of which number system
 - Give two examples of integers



SCIENCE

1. Draw the diagram of an animal cell as seen through an electron microscope. Label the parts that carry out the functions: -Respiration, Secretion, Protein synthesis, Transport

of material. Write the contribution of a) Robert Hooke, b) Leeuwenhoek c) Robert Brown.

2. A cell is called the structural and functional unit of life. Explain.

What is the meaning of division of labour? Is it different from cell to cell?

3. Draw the nucleus of a cell and label the:

a) Double layered structure which encloses the nucleus.

b) Visible entangled mass of thread like structures.

c) A darkly stained round structure inside the nucleus.

ii) Name the two components of Chromosomes. Mention the role of nuclear pore.

iii) What does DNA molecule contain?

iv) Give one difference between cytoplasm and nucleoplasm.

4. Perform an activity showing the changes in the states of matter and write your observations under the points :

a. How does temperature effect the change in state ?

b. Define : Condensation Melting

5. Make a comparative study of states of matter under the properties studied .

Add picture to it .

6.State three laws of motion.

7.Derive three equations of motion graphically .

8.What do you mean by uniform circular motion.

9. Draw velocity time graph for different situations.

10. Illustrate various examples of Diffusion from day today life.

SOCIAL SCIENCE:

1.Collect pictures and identify songs, dances, different festivals and special food preparations associated with certain seasons in their particular region , and whether they have some commonality with other regions of India.(Note: Make a Collage)

Hints: Compare the similarity or difference(Eg.food, songs, dances, festivals, Lifestyle or culture & customs etc) that associated with other regions of India.



2.Prepare an Animation video of “The Story of Village Palampur”.

3.Most newspapers have an editorial page.On that page the newspaper publishes its own opinions about current affairs. The paper also publishes the views of other writers and intellectuals and letters written by the readers. Refer any one Digitalmedia for one month and collect screenshot of editorials, articles and letters on that page that have anything to do with democracy. Classify these into the following categories:



- Constitutional and legal aspects of democracy.
- Citizens' rights
- Electoral and party politics
- Criticism of democracy

Note:-(Choose Any one)

Present a video

PPT

Project work(Use project paper) etc

4.No one wants war to happen. Nobody likes war. Soldiers, too, are human beings and do not want fights among the race .One should try to find out other sources and solutions to solve differences between two nations instead of wars. In today's world, where we live, there is no longer someone else's war. None of you can feel safe when there is a war in Ukraine, when there is a war in Europe.



Give reasons:-

- 1.What is the reason for conflict between Russia and Ukraine?
2. What is Ukraine known for?
- 3.What did Russia take from Ukraine?
- 4.Why is Russia moving so aggressively against Ukraine right now?
- 5.Why Indian students go to Ukraine for studies?
- 6.Is war the only solution to all the problems between the countries ? Write your view points.
- 7."No war..... No peace " , Give your view points.
- 8.How is the Environmental and Health dimensions of the Ukraine war? Write your view points.

IT :

MILESTONE ACADEMY



PROJECT INFORMATION TECHNOLOGY CODE : 402

SESSION : 2022-23

SUBMITTED BY:

STUDENT NAME :

ROLL NO. :

CLASS & SECTION :

SUBMITTED TO:

TEACHER'S NAME

ACKNOWLEDGEMENT

I would like to express my special thanks and gratitude to my Teacher Name as well as our Principal Name . Who gave me the golden opportunity to do this wonderful project, which also helped me to know about so many new concepts. I am making this project not only for marks but to also increase my knowledge.

I

Milestone Academy

IT project 1

Design a Front page for your school dairy by using Open Office Writer features.