SRI RAM KRISHAN DAV PUBLIC SCHOOL, SURIYA
Summer Vacation Holiday Homework (Class IX) 2025-26

विषय -हिंदी

(१) पोर्टफोलियो बनाएं।

(२) चार औपचारिक एवं चार अनौपचारिक पत्र लिखें।

(३) गर्मी छुट्टी साथ बिताने के लिए अपने मित्र से बातचीत का एक संवाद तैयार करें।

(४) अपनी किसी यात्रा का वर्णन करते हुए अपनी यात्रा वृतांत लिखें।

Subject: IT

1. Explain the Communication process along with all the communication elements.
2. List the various methods of communication.
3. Describe the different types of verbal communication.
4. Explain Non-Verbal and Visual Communication and their importance.
5. Identify different types of Non-Verbal Communication.
6. What are the various cause of Stress? Explain with examples.

Subject: English

1. Answer the following questions in long answer type:
   a) How did Margie and Tommy express their feelings about the real book?
   b) Compare and contrast the old schools with the schools of the year 2157. Which one Do Prefer and Why?
   c) Describe the functioning of Tommy and Margie 's School, mechanical teacher and telebooks. How do they compare with the schools of old days?
   d) According to the poem, how does the poet feel about his or her decision in the end?
   e) What is the theme or the message of the poem 'The Road Not Taken'?
   f) How can you say that the poet of the poem 'wind' is a great lover of mankind?
   g) The wind is a symbol of power and strength. How can we befriend it and survive in our struggle for existence?
   h) Write a short biography of Evelyn.
   i) How did Bismillah Khan become successful in the field of music.
2. Write a letter to the Editor regarding frequent power cut of your locality.
3. Write a short paragraph on "Books-our best companion".
4. Write the rules and examples of Narration change in the A4 page **(PROJECT WORK)**

Subject:Maths

1. NUMBER SYSTEM
2. POLYNOMIALS
3. COORDINATES GEOMETRY
4. MAKE A PORTFOLIO ON ANY INDIAN MATHEMATICIAN.

Subject: Science

Physics

1. A body travels from A to B at 40 m/s and from B to A at 60 m/s. Calculate the average speed and average velocity.
2. A body travels the first half of the total distance with velocity V1 and the second half with velocity V2. Calculate the average velocity.
3. A train moves with a speed of 30 km/hr in the first 15 minutes, with another speed of 40

km/hr the next 15 minutes, and then with speed of 60km/hr in the last 30 minutes. Calculate the average speed of the train for this journey.

4. A body travels a distance S_1 with velocity V_1 and distance S_2 with velocity V_2 in the same direction. Calculate the average velocity of the body.

5. A car travels along a straight line for the first half time with speed 50 km/hr and the second half time with speed 60 km/hr. Find the average speed of the car.

6. A jet plane starts from rest with an acceleration of 3 m/s^2 and makes a run for 35 sec before taking off. What is the minimum length of the runway and what is the velocity of the jet at the take off?

7. An electron travelling with a speed of 5×10^{3} m/s passes through an electric field with an acceleration of 10^{12} m/S^2. How long will it take for the electron to double its speed? What will be the distance covered by the electron in this time?

8. A car moving along a straight highway with a speed of 72 km/hr is brought to stop within a distance of 100 m. What is the retardation of the car and how long does it take for the car to stop?

9. A bullet travelling with velocity of 16m/s penetrates a tree trunk and comes to rest in 0.4 m. Find the time taken during the retardation.

10. A ball thrown vertically upwards with speed of 19.6 m/s from the top of a tower returns to the earth in 6 second. Find the height of the tower.

Chemistry:

Write Question and Answer of Chapters below:

1.MATTER IN OUR SURROUNDINGS

2.IS MATTER AROUND US PURE.

Biology:

(1) Practice the following diagrams: Prokaryotic cell, Plant cell, Animal cell, Nucleus.

(2) Prepare write up of 2 applications each of osmosis & diffusion in day-to-day life along with photographs in your biology notebook.

(3) Write down the differences between-

(A) Osmosis and diffusion

(B) Endosmosis and Exosmosis

(C) Active and Passive transport

(D) Chloroplast, Chromoplast and Leucoplast

(E) Nucleus and Nucleoid

(F) Plant cell and Animal cell

(G) SER and RER

(4) Practice MCQs and R/A type of questions.

(5) Prepare a 3D model of any two cell organelle.

SST:

1. Prepare a project on Forest Management.

2. Prepare 25 internal questions from chapter 'The French Revolution ' and write their answers in their note copy.