

SRI RAM KRISHAN DAV PUBLIC SCHOOL SURIYA ,GIRIDIH
SUMMER VACATION HOLIDAY HOMEWORK

CLASS – IX (2024-2025)

SUBJECT –HINDI

प्रश्न (1) पांच औपचारिक और पांच अनौपचारिक पत्र लिखें ।

प्रश्न (2) निम्नलिखित विषयों पर 80 से 100 शब्दों में अनुच्छेद लिखें।

(क) पर्यावरण संरक्षण : समय की मांग

(ख) ऑनलाइन शिक्षा : शिक्षा जगत में नवीन क्रांति

(ग) साइबर युग, साइबर ठगी : सावधानियां एवं सुरक्षा उपाय।

(घ) खेल और स्वास्थ्य

(ङ) ग्लोबल वार्मिंग

प्रश्न (3) पोर्टफोलियो

SUBJECT – ENGLISH

Answer the following questions :-

1. Compare and contrast the old schools with the schools of the year 2157
?Which ones do you prefer and why?
2. How did Margie and Tommy express their feelings about the real book?
3. Evaluate “The Fun They Had” as a futuristic story.
4. How did Evelyn become famous in the field of music?
5. Write a short biography of Bismillah Khan.
6. Which road did the Poet choose and why?
7. What are two types of Roads? Explain
8. Why was the child lost?

9. What is the importance of parents in our life?

Grammar Section

Write the structure and examples of all Tense.

Writing Section

1. Write a letter to the Editor about the poor condition of road in your locality.

2. Suppose you are the Head boy/Head girl of your school. Write a notice about Quiz competition of your school.

SUBJECT - SOCIAL SCIENCE

I. Prepare Map work from these Chapters

1. India Size & Location

- i. The Island groups of India lying in Arabian sea and the Bay of Bengal.
- ii. Countries constituting Indian Sub continent.
- iii. The states through which Tropic of Cancer.
- iv. The strait separating Sri Lanka from India.
- v. Place situated on the three seas.

2. Revise and learn the Questions and topic from the chapters completed till now.

3. Prepare a file on Disaster Management any of the following topic:

- i. Flood
- ii. Industrial Accidents
- iii. Earthquake.
- iv. Drought

4. Prepare a Portfolio on the Chapter 'The French Revolution'.

SUBJECT – SCIENCE

Biology

Instructions:

- This project must be hand-written by the pupil.
- Mention the name, subject, class, section, session and roll number on the front page of your file.

- The hard copy of the project is to be handed over to the subject teacher in School.
- USE A4 SHEETS AND STICK FILE FOR THE PROJECT WORK.
- Points need to be covered:
 - a. Front Page
 - b. Introduction
 - Definition of Cell, Discovery of Cell, Cell theory
 - c. Body
 - Information about different cell organelles, along with diagrams and the name of The scientists who discovered it.
 - d. Questionnaire
 1. What would happen if an animal cell is kept in distilled water for 24 hours?
 2. State the reason for calling cell membrane as selectively permeable membrane.
 3. Name the process by which (i) oxygen moves into and out of the cell. (ii) water moves in and out of the cell.
 4. Explain your observation with reasons:
 - (i) Salt is applied to raw mango pieces.
 - (ii) Dried raisins are kept in water for a few hours.
 5. How is the flexible nature of plasma membrane useful to amoeba?
 6. Distinguish between hypotonic, isotonic and hypertonic solutions.
 7. Explain what happens when a drop of concentrated sugar solution is placed on Rhoeo peel mounted on a glass slide. Name the phenomenon. Would the same Happen if Rhoeo leaf peel was boiled before? Give reason for your answer.
 8. Mention the difference between prokaryotes and eukaryotes in terms of nuclear Region present in them.
 9. 12g of raisins were placed in distilled water for 24 hours. The mass of water Soaked raisins was found to be 8g. Calculate the percentage of water absorbed by Raisins.

e. Conclusion

- Make a concept map of the given topic on your own.

f. Bibliography

- List the name of the books and websites referred for the proper completion of This project.

Chemistry

Answer the following questions

1) What are the Characteristics of Particles of Matter?

2) Define the following terms:

(i) Rigidity (ii) Fluidity (iii) Density (iv) Diffusion

(v) Brownian Motion

(vi) Sublimation

3) Define "Latent Heat"? What do you mean by Latent heat of Fusion?

4) Answer all the NCERT Intext question of Matter in our surroundings?

5) Write 20 elements with symbols From Atomic no. 1 to 20?

Physics

*** All the questions must be solved on A4 Size Paper and submit it in stick file.

1. Draw all the Position time graph and Velocity Time graph for different states of motion possessed by the body.

2. The following is the distance-time table of a moving car:

<i>Time</i>	<i>Distance</i>	<i>Time</i>	<i>Distance</i>
10.05 a.m.	0 km	11.00 a.m.	26 km
10.25 a.m.	5 km	11.10 a.m.	28 km
10.40 a.m.	12 km	11.25 a.m.	38 km
10.50 a.m.	22 km	11.40 a.m.	42 km

- (i) Use a graph-paper and plot the distance travelled by the car versus time.
 - (ii) When was the car travelling with the greatest speed.
 - (iii) What is the average speed of the car?
 - (iv) What is the speed between 11.25 a.m. and 11.40 a.m.
 - (v) During a part of the journey, the car was forced to slow down to 12 km/h. At what distance did this happen?
3. On a 60 km straight road, a bus travels the first 30 km with a uniform speed of 30 km/h. How fast must the bus travel the next 30 km so as to have average speed of 40 km/h for The entire trip?
 4. A driver takes 0.20 seconds to apply the brakes. If he is driving car at a speed of 54 Km/h and the brakes cause a deceleration of 6.0 ms^{-2} . Find the distance travelled by the Car after he sees the need to put the brakes.
 5. A ball thrown vertically upwards with a speed of 19.6 ms^{-1} From the top of a tower Returns to the earth in 6 seconds. Find the height of the tower. ($g = 9.8 \text{ ms}^{-2}$)
 6. A bullet initially moving with a velocity of 20 m/s strikes a target and comes to rest after Penetrating a distance of 0.01 m in the target. Calculate the retardation produced by the Target.
 7. A body moving in a straight line at 72 km/h undergoes an acceleration of 4 m/s^2 . Find Its speed after 2 seconds.
 8. A body starts from rest and moves with a uniform acceleration of 5 m/s^2 For 5s and Then it moves with a constant velocity for 4s. Later it slows down and comes to rest in 5s. Draw the velocity-time graph for the motion of the body and answer the following Questions:
 - A) What is the maximum velocity attained by the body?
 - B) What is the distance travelled during this period of acceleration?
 - C) What is distance travelled when the body was moving with constant velocity?

- D) What is the retardation of the body while slowing down?
 - E) What is the distance travelled by retarding?
 - F) What is the total distance travelled?
9. Write all exercise questions of chapter "MOTION" motion in your class notebook. Learn all the notes and questions of chapter "MOTION".

****Chart work****

Make a concept map of the chapter "MOTION".

SUBJECT - MATHS

Q1. Find out and write history of Pie (π).

Q2. Find out and write about any Indian Mathematician.

Q3. Make and Solve any ten Mathematical Puzzle from any Newspaper, Magazine.

Q4. Construct Square Root Spiral on a A4 Size Paper.

SUBJECT: IT [402]

Q1. What is public speaking? Explain how the 3 P's helpful in public speaking.

Q2. Make a collage of different types of public signs and icons used as visual communication.

Q3. Explain the tips of building self-confidence.

Q4. What are four components of good writing?