



VIVEKANAND INTERNATIONAL PUBLIC SCHOOL

(HOLIDAYS HOMEWORK)

session 2023-24

CLASS:- 9TH

Biology

1. Draw a neat diagram of plant cell and label any three parts which differentiate it from animals cell.
2. How do CO_2 and water move in and out of cell?
3. List the differences between mitosis and meiosis.
4. Describe an activity to demonstrate osmosis in cells.
5. Describe an activity to demonstrate diffusion.

His + Geo

1. Write 20 questions with answer in your home work notebook from the following chapter:
 - (i) The French Revolution
 - (ii) India: Size and location
2. Prepare a map of India expressing the following characteristics:
 - (i) The island groups of India lying in the Arabian Sea and the Bay of Bengal.
 - (ii) The countries constituting Indian Subcontinent
 - (iii) The state through which the Tropic of Cancer passes.
 - (iv) The strait separating SriLanka from India.
3. Draw and label map of France from the chapter French Revolution.
4. Make a list of all Asian countries with their national capitals.
5. Make a short note on the biography of Mirabeau, Olympe De Gouges, Desmoulins, Robespierre, Napoleon Bonaparte.

Maths

1. Write all laws of exponents along with examples.
2. Write all properties of irrational numbers with examples.
3. Polynomials, polynomial of various degrees, number of terms in polynomial with examples.
4. Write about Remainder theorem. Explain with one example.
5. Methods of factorization, write about each method by taking examples.

Eco

- Describe a hypothetical village like Palampur.
- What is the secondary activity of village Palampur.
- Why land is fixed in Palampur?
- Draw village, upon card board.

Pol Sci

- Why democracy is liked by most of the people of the world.
- Is democracy better than other form of government? Justify your answer.
- Is all the countries of the world democratic?

CHEMISTRY.

A. Answer the following questions

1. Define freezing and freezing point.
2. Define boiling and boiling point.
3. What are the different physical states of matter? Write their properties.
4. Why do plants require more leaves during summer?
5. What is the dry ice and what are its properties?
6. How vapour is different from gases?
7. How heat is transferred when a solid sublimes?

8. What are the factors affecting the rate of evaporation?
 9. What is the difference between boiling and evaporation?
 10. Explain the differences among solid, liquid and gases.
- B.1. Convert the following in Fahrenheit.
- A. 573 k B. 36° celsius
 - C. 373 ° c
2. The boiling point of alcohol is 78 degree Celsius. What is the temperature on Kelvin scale?
 3. The Kelvin scale temperature is zero degree K. What is the corresponding Celsius scale temperature?
 4. What is latent heat of fusion?
 5. How can you say that all substances are matter but all matter are not substances?
 6. Why do solids have definite shape?

PHYSICS

A. Very short answer type question:

1. Define average speed.
2. Give one example of non-uniform accelerated motion.
3. How does average speed differ from average velocity?
4. Give SI unit of distance, speed, displacement, velocity and acceleration.
5. Draw a graph showing uniform retardation and uniform acceleration.
6. Under what condition will distance covered and displacement have same magnitude.
7. Is it possible that the train in which you are sitting appears to move through (it is at rest)? How?
8. Mathematically express average speed of an object.
9. A car covers unequal distance in equal intervals of time. what kind of motion is it?
10. How can you find displacement of a particle in given time from its velocity time graph?

B Numericals.

1. A Car accelerates uniformly from 5 M/sec to 10 M/sec in 10 second find its acceleration and displacement.
2. A train starts from rest and accelerates uniformly for 5 minutes. If it attains a velocity 90km/hr find its acceleration.(1/12 m/sq sec)
3. A bus has a speed of 36 km/hour. Find the distance covered by this bus in 5 minutes.(ans=3km)

(हिन्दी एवं हिन्दी व्याकरण)

1. अध्याय 1 एवं 9 के सभी प्रश्नोत्तर कंठस्थ करें।
2. उत्तर लिखें:-
 - (क) झूरी की पत्नी ने हीरा-मोती को नमक-हराम क्यों कहा ? बाद में उनका माथा क्यों चूमा ?
 - (ख) दोनों बैलों ने क्या कसमें खाई ?
 - (ग) कबीर के अनुसार ज्ञान की आँधी शरीर से कौन-सा कूड़ा-करकट निकाल देती है?
 - (घ) कबीर के अनुसार ईश्वर कहाँ-कहाँ मिलता है?
 - (ङ) छोटी बच्ची ने हीरा-मोती की रस्सी क्यों खोल दी ?
3. अध्याय- 9 का सम्पूर्ण भावार्थ समझते हुए पढ़ कर आँ।
4. पुस्तक में दिए गए सभी उपसर्ग और प्रत्ययों को भेद अनुसार उनके अर्थ के साथ याद करके आँ।
5. बेरोज़गारी की समस्या पर 120 शब्दों में एक अनुच्छेद तैयार करें।
6. अपने विद्यालय की प्राचार्या महोदया के पास एक प्रार्थना-पत्र लिखें, जिसमें उनसे विद्यालय के विद्यार्थियों को किसी पर्यटक स्थल पर भ्रमण के लिए ले जाने की बात हो।

English

- Do a daily diary writing