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# THE ROYAL SAINIK VIDYAPEETH

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## Holiday Homework Summer Vacations Class - 9th A

# Hindi

1-एक समाचार पत्र का पहला पन्ना बनाएं –

\*A4 सीट पर हिंदी में एक काल्पनिक अख<mark>बार का पहला पन्ना बना</mark>एं-तीन खबरें, एक विज्ञापन, एक चित्र और एक मजेदार क।लम )जैसे- पहेलियां, चुटकुला(

\*2- काल्पनिक यात्रा वर्णन-

3\* कल्पना करें कि आप चांद या समय यात्रा पर गए हैं, वहां का अनुभव हिंदी में 150 से 200 शब्दों में वर्णन करें -क्या देखा, क्या सीखा, कौन मिला । .

\*4.भूत से संवाद-

5.\* केल्पना करें कि एक दिन आपके कमरे में भूत आता है,पर वह बहुत पढ़ाकू है। उसके साथ एक मजेदार संवाद लिखिए।

4-लोक कथा संग्रह

5.अपने दादा-दादी या परिवार के किसी बड़े से पुरानी लोक कथा या किस्सा सुनकर उसे अपने शब्दों में लिखें।

- 6 5 -हिंदी में पहऐली संग्रह
- 7. \*कोई 10 मजेदार पहेलियां एकत्र करें तथा उनका हल भी लिखें।

8. Discuss the Reign of Terror and the fall of Robespierre.

## Computer

- Deep reading of Unit 1&2 of Part-A and Unit-1 of Part-B with solved & unsolved exercise and question answers.
- Try Application based question of every session of Unit 1&2 of Part-A & Unit-1of Part-B.

# Social Science –

Instructions:

Focus on creativity, real-life connection, and presentation.

Submit in a folder or notebook.

Prepare in attractive way.

Activity:

1. Create a timeline chart or illustrated diary covering 5-7 key events of the French Revolution.

2. Draw a political map of India showing:

Tropic of Cancer, Standard Meridian

5 neighboring countries

- Two major rivers and mountain ranges
- 3. Make a comparison table: Democracy vs Non-Democracy (with real-world examples).

4. Prepare a concept map of the 4 factors of production (Land, Labour, Capital, and Entrepreneurship) with examples from Paramour.

#### Written work: - Assignment

#### Section A – Very Short Answer(Answer in 1 sentence)

In which year did the French Revolution begin? Name the king of France during the revolution. What was the name of the fortress stormed by revolutionaries? Which philosopher gave the idea of the separation of powers? What was the national anthem of France called?

#### Section B – Short Answer (Answer in 30–40 words)

What was the Estates General? Why was it called in 1789? Write any two causes of the French Revolution. What were the privileges enjoyed by the first and second estates? What was the role of women in the French Revolution? What was the significance of the Declaration of the Rights of Man and Citizen?

#### Section C – Short Answer (Answer in 60–80 words)

Explain the role of philosophers like Rousseau and Voltaire in the French Revolution. Describe the impact of the French Revolution on France.

How did the Jacobins bring changes in France under Robespierre's leadership?

#### Section D – Long Answer (Answer in 100–120 words)

Describe the political, economic, and social causes of the French Revolution. Explain how the French Revolution spread the idea of liberty and equality across Europe.

Discuss the Reign of Terror and the fall of Robespierre.

## **English Literature**

# (First Flight & Footprints without Feet)2. Read and answer of the following:What lesson does Mandela teach us in Nelson Mandela: Long Walk to Freedom?How does A Letter to God reflect the values of faith and hope?What is the central idea of the poem Dust of Snow?How does The Thief's Story teach a moral lesson?

## **Grammar Practice**

#### (Bravia Worksheet)

Tenses (fill in the blanks) Reported Speech Active and Passive Voice Modals (can, could, must, should, etc.) Writing Skills Do any 2 of the following: Write a letter to the editor on the need to reduce plastic use in your city. Write an article on "The Importance of Time Management for Students." Write a story in 150–200 words that begins with: "It was raining heavily and I was alone at home..." Vocabulary Enrichment Write 30 difficult words from your literature textbook.

Write their meanings and use them in sentences

## Mathematics

\*Chapter 1: Number Systems\*

1. \*Project:\* Explore the history and development of number systems. Prepare a project report on the importance of number systems in mathematics and everyday life.

2. \*Activity:\* Create a diagram to illustrate the different types of number systems (natural numbers, whole numbers, integers, rational numbers, etc.).

- 3. \*Problems:\* Solve the following problems:
- Find the decimal representation of a rational number.
- Simplify expressions involving surds and rational numbers.
- Also Do Worksheet 1

\*Chapter 2: Polynomials\*

1. \*Project:\* Investigate the properties and applications of polynomials. Prepare a project report on the importance of polynomials in mathematics and real-life situations.

2. \*Activity:\* Create a graph of a polynomial function and analyze its properties (zeros, degree, etc.).

3. \*Problems:\* Solve the following problems:

- Find the zeros of a polynomial.
- Factorize a polynomial expression.

\*Chapter 3: Coordinate Geometry\*

\*Project:\* Explore the concept of coordinate geometry and its applications. Prepare a project report on the importance of coordinate geometry in mathematics and everyday life.
\*Activity:\* Create a graph of a linear equation in two variables and analyze its properties (slope, intercept, etc.).

3. \*Problems:\* Solve the following problems:

- Find the coordinates of a point that divides a line segment in a given ratio.
- Plot points on a coordinate plane and find the distance between them.
- Also do Worksheet 2

\*Submission:\*

- Submit the project reports, activity sheets, and problem solutions in a neat and organized manner.

- Include explanations and justifications for your solutions.

# Science

Learning: Learn CH-01 and CH-07 from book and notebook. Written:

Practice all Numericals of Chapter motion in rough notebook.

Make notes of CH-01 and CH-07 in separate notebook.

Activity: Find different discoveries from NCERT book and write Scientist name along with their Achievement on A4 Size sheet.

#### 1 Mark Questions

- 1. Define matter.
- 2. Name the state of matter that has a definite shape and volume.
- 3. What is diffusion?
- 4. Which state of matter has the highest kinetic energy?
- 5. Convert 100°C to Kelvin.

#### 2 Mark Questions

1. Why does a gas fill the entire volume of a container?

2. Define latent heat. Differentiate between latent heat of fusion and latent heat of vaporization.

3. Why do we see water droplets on the outer surface of a glass containing ice-cold water?

4. What happens to the particles of a solid when it is heated?

#### **3 Mark Questions**

- 1. Explain how the boiling point of a liquid is affected by atmospheric pressure.
- 2. Describe the characteristics of particles of matter.
- 3. Give reasons:
  - a) Ice floats on water.
  - b) Steam causes more severe burns than boiling water.
- 4. How can you show that air has mass?

#### **5 Mark Questions**

- 1. Compare the properties of solids, liquids, and gases in a tabular form.
- 2. Describe an activity to show that particles of matter are constantly moving.
- 3. Explain the interconversion of the three states of matter with a labeled diagram.

#### **Case-Based Questions**

Case: A student is boiling water in a beaker and notices bubbles forming at the bottom and rising to the top.

#### **Questions:**

- 1. What is the phenomenon observed by the student?
- 2. What do these bubbles contain?
- 3. What causes the bubbles to rise?
- 4. What is the boiling point of water in °C and K?
- 5. What kind of change is this physical or chemical? Justify.

### Assertion and Reason Questions

1. Assertion: Gases can be compressed easily.

Reason: Particles of gases have large intermolecular spaces.

a) Both A and R are true and R is the correct explanation.

b) Both A and R are true but R is not the correct explanation.

c) A is true but R is false.

d) A is false but R is true.

2. Assertion: Water vapor at 373 K has more energy than water at the same temperature. Reason: Latent heat of vaporization is the heat required to convert water to steam without temperature change.

(Choose the correct option as above)

## **Chapter 2: Motion**

#### 1 Mark Questions

- 1. Define speed.
- 2. What is uniform motion?
- 3. Write the SI unit of velocity.
- 4. When is the displacement zero?

## 2 Mark Questions

- 1. Differentiate between speed and velocity.
- 2. A car travels 100 km in 2 hours. Calculate its average speed.
- 3. What does the slope of a distance-time graph represent?
- 4. A body is moving in a circular path. Is the motion uniform or non-uniform?

## **3 Mark Questions**

1. Derive the formula using a velocity-time graph.

2. A car starts from rest and accelerates uniformly at 2 m/s<sup>2</sup>. Find its velocity after 5 seconds.

3. Draw a velocity-time graph for a body moving with:

- a) Uniform velocity
- b) Uniform acceleration

#### 5 Mark Questions

1. Derive the three equations of motion with the help of a velocity-time graph.

2. A body is thrown upwards with a velocity of 20 m/s. Calculate the maximum height and the total time taken to return to the ground. (Take )

3. Explain with examples the difference between scalar and vector quantities.

#### **Case-Based Questions**

Case: A train starts from station A and accelerates uniformly to reach a speed of 60 km/h in 5 minutes. Then it travels at this speed for 30 minutes and finally decelerates to stop at station B in 10 minutes.

#### **Questions:**

- 1. What is the total time taken for the journey?
- 2. What kind of motion is observed in each of the three parts?
- 3. Plot a speed-time graph for the journey.
- 4. Calculate the acceleration during the first 5 minutes.
- 5. Calculate the distance covered in each part of the journey.

## > Do the above assignment in Holiday Homework Notebook.