

**JB ACADEMY, AYODHYA**  
**HOLIDAY HOME WORK**  
**CLASS IX**

**HINDI:**

- 1- रोमांचक शिविर के दौरान अपनी जिम्मेदारियों का वर्णन कविता या लेख के रूप में (A4 या Write-up sheet) पर लिखें ।
- 2- निर्धारित व्याकरण पाठ्यक्रम के आधार पर किसी एक विषय पर रचनात्मक ढंग से चार्ट पेपर तैयार करें । (उपसर्ग प्रत्यय, अर्थ के आधार पर वाक्य भेद, संज्ञा सर्वनाम, क्रिया ,विशेषण, अलंकार)

**ENGLISH:**

- 1.Prepare a Debate for two minutes speaking on a topic of their topics.
- 2.Read Learning beyond the Text portion of any chapter from the textbook Kaveri and write a review/ your own expression/ experiences/ and learnings in the form of poem / conversation/ Experience / Paragraph writing in about 200 words.

**MATHS:**

Worksheet

**SCIENCE:**

**Physics:-**

1. Write Biography of any scientist of Physics.
2. Solve these questions

Q1. A farmer moves along the boundary of a square field of side 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position ?

Q2. During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station ? The signal travels at the speed of light, that is,  $3 \times 10^8$  m/s.

Q3. Abdul, while driving to school, computes the average speed for his trip to be 20 km/ h. On his return

trip along the same route, there is less traffic and the average speed is 30 km/h.  
What is the average speed for Abdul's trip ?

## **CHEMISTRY**

### Short Answer Type Question

Q1 .State the characteristic of the particles of matter.

Q2. Do solids have a definite shape and definite volume?

Q3.When an incense stick (agarbatti) is ignited in one corner of room its fragrance spreads in the whole room quickly which characteristics of the particles of matter are illustrated by this observation.

Q4. State nitrogen is a gas at room temperature.

Q5. Are fluids ?

Q6. Fill in the blanks.

- (i) The particles of a solid are..... packed.
- (ii) Liquids are..... denser than solids.
- (iii) The process of losing vapour from a liquid or solution below its boiling point is called..
- (iv) The value of latent heat of fusion of ice is.....
- (v) Gases occupy the .....volume of the vessel if the vessel is larger in size.
- (vi) A substance in the .....state has definite..... ..but no definite shape.
- (vii) The temperature at which a liquid changes into vapour at the atmospheric pressure is called..
- (viii)The temperature at which a solid changes into a liquid is called.
- (viii) Boiling is a phenomenon.
- (ix) A vapour on cooling changes into . and on further cooling changes into.....  
.....

Q7.Write difference between condensation and precipitation.

Q8. What is the common name of solid carbon dioxide?

Q9. Synopsis of your project and prepare file.

### **Biology:**

1. Write about any Biologist and stick his/ her picture.
2. Synopsis of your project: Prepare a file.
3. Do activity on osmosis with almonds and write the activity .Also stick the picture of the activity in the assignment copy .

## **HISTORY:**

Watch Episodes 1-15 of Bharat Ek Khoj by Prashar Bharati Archives, available on Youtube. Prepare at least one page summary of every episode, write it down in a thin homework copy and mention your learnings from the episodes as well.

## **GEOGRAPHY:**

Journey of an Indian River

Choose any one of the following major rivers of India and creatively present its journey from source to mouth on A4 sheets. River Options:

- 1) Indus River
- 2) Ganga River
- 3) Brahmaputra River
- 4) Godavari River
- 5) Krishna River
- 6) Narmada River
- 7) Kaveri River
- 8) Tapi River

The Project Should Include:

- Origin/source of the river
- States through which it flows
- Tributaries
- Cultural and economic significance
- Dams or irrigation projects
- Environmental concerns related to the river
- Mouth/confluence where the river drains

## **COMPUTER:**

Prepare a Presentation/File

Topic: "Inside a Computer"

The project should include:

Introduction

Functional units of computer

Memory devices

Types of software

Latest technological developments

**ART:**

1. [Nainital Adventure Camp](#)    [Landscape Drawing](#)

Dear Students, draw the beautiful mountains, lakes, and natural views you observed during the Nainital camp .

2. [Mixed Media Painting or 3D Art](#)

Create any one Mixed Media Painting or 3D art you can choose any theme and technique which you like most

Techniques you can try

- Cardboard painting, Oil pastel, Acrylic, Watercolor
- 3D Wire work, Collage, Resin art
- Tissue paper art, Newspaper art, Lippan art
- Mosaic / Tile painting, Thread / String art
- Any 3D work or mixed media combination

**Guidelines:**

- Any size is allowed, but not smaller than A4
- Complete the painting or craft and color it properly
- 3D painting or craft work will be given extra appreciation

Submit both works after the holidays. Looking forward to seeing your creativity