

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

**HINDI:**

\*नेता जी का चश्मा पाठ आधारित गतिविधि-

माता-पिता-गुरु/ महापुरुष/समाज/ देश (किसी एक) के प्रति हमारी ज़िम्मेदारी विषय पर निबंध लेखन ( अभ्यास-पुस्तिका में)

शांति/सद्भाव/देश-प्रेम विषय पर मौलिक गीत रचना।(न्यूनतम 12 पंक्तियाँ)-A 4 पेपर में

**ENGLISH:**

1. Make PowerPoint based on the allotted story from your Supplementary Reader.
2. Write thematic expressions of 'Two stories of Flying' in about 200 words each.
3. Write an article on Excursion Class 10. It should be original article voicing your Experience Expression Concern based on any place .

**MATHS:**

**Worksheet**

Syllabus for Monday test(25/06/2026) Real numbers and Polynomials.

Prepare well for the test. Flow charts of important concepts for both the chapters have been provided in the pdf along with mcqs, case studies and self assessment sheets.

**SCIENCE:**

**PHYSICS :-**

1. Write a Biography of any scientist of Physics.
2. Practice all Ray diagrams of Image formation by Concave and Convex mirror.

**CHEMISTRY**

1. What is a balanced chemical equation? Why should chemical equations be balanced?

2. Translate the following statements into chemical equations and then balance them.

- (a) Hydrogen gas combines with nitrogen to form ammonia.
- (b) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.
- (c) Barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate of barium sulphate.
- (d) Potassium metal reacts with water to give potassium hydroxide and hydrogen gas.
- (e) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride.
- (f) Sodium hydroxide solution (in water) reacts with hydrochloric acid solution (in water) to produce sodium chloride solution and water.

3. Write the balanced equation for the following chemical reactions.

- (a) Hydrogen + Chlorine  $\rightarrow$  Hydrogen chloride
- (b) Barium chloride + Aluminium sulphate  $\rightarrow$  Barium sulphate + Aluminium chloride
- (c) Sodium + Water  $\rightarrow$  Sodium hydroxide + Hydrogen
- (d) Calcium hydroxide + Carbon dioxide  $\rightarrow$  Calcium carbonate + Water
- (e) Zinc + Silver nitrate  $\rightarrow$  Zinc nitrate + Silver
- (f) Aluminium + Copper chloride  $\rightarrow$  Aluminium chloride + Copper
- (g) Barium chloride + Potassium sulphate  $\rightarrow$  Barium sulphate + Potassium chloride

4. Write the balanced chemical equation for the following and identify the type of reaction in each case.

- (a) Potassium bromide (aq) + Barium iodide(aq)  $\rightarrow$  Potassium iodide (aq) + Barium bromide(s)
- (b) Zinc carbonate (s)  $\rightarrow$  Zinc oxide (s) + Carbon dioxide (g)
- (c) Hydrogen (g) + Chlorine (g)  $\rightarrow$  Hydrogen chloride (g)
- (d) Magnesium (s) + Hydrochloric acid (aq)  $\rightarrow$  Magnesium chloride(aq) + Hydrogen(g)

5. Why should a magnesium ribbon be cleaned before it is burnt in air?

6. Give two examples of double displacement reaction

7. What are the combination reaction? Give example.

8. Write one equation each for decomposition reactions where energy is supplied in the form of heat, light or electricity.
9. What is the difference between displacement and double displacement reactions? Write equations for these reactions.

### **BIOLOGY :**

1. Go through the chapter Our Environment and prepare notes using NCERT.
2. Choose one topic for biology project and prepare the project file including cover page, index and introduction.

### **HISTORY:**

Imagine you are a newspaper editor of France in 1830 and you are authorising every article that would be included. On the basis of the events happening at that time, prepare a newspaper including front page, national news, world news, sports news and economy news. You should give a name to your newspaper as well.

### **GEOGRAPHY AND ECONOMICS:**

1) Write short notes on the following four topics.

- i) Gig Economy: A New Employment Trend in India
- ii) Public-Private Partnership (PPP Model) and Investment in India  
(Study any two current investment projects based on the PPP Model)
- iii) Importance of Ramsar Sites in India,
- iv) Vantara Wildlife Rescue and Rehabilitation Centre, Gujarat and Its Importance.

2) Article Writing Topic - Orange Economy and Creative Industries

Important Note-

- Children have to complete the above topics (i-iv) in your Class Work Copy,
- The Article Writing Topic has to be prepared on an A4 size sheet.
- The article should be creative and original. You may explain the topic with the help of data, diagrams, pictures/images, charts, poetry, quotations, slogans, etc.

- The article should not exceed more than 200 words.

### **COMPUTER:**

1. Complete your work in assignment copy

2. **Poster Making Activity**

Create a colourful e-poster on:

“Be Safe on the Internet”

Include:

Strong passwords

Avoid sharing personal information

Safe browsing habits

Cyberbullying awareness

Digital footprint

Use slogans, drawings, and creative ideas.

### **ART:**

1. Jaipur Excursion

Landscape Drawing

Dear Students, draw the beautiful Natural view you observed during the Jaipur excursion .

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 🖌️🧠

