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Holiday Homework Summer Vacations Class – 10th A

विषय -हिंदी

1- डिजिटल डायरी लेखन:

*छुट्टियों के दौरान हर सप्ताह की एक दिन की घटनाओं को डिजिटल डायरी के रूप में लिखिए (कम से कम 4 प्रविष्टियां), आप इसे हाथ से भी लिख सकते हैं या कंप्यूटर पर टाइप कर सकते हैं।

2-विज्ञापन निर्माण:

* किसी काल्पनिक वस्तु (जैसे: उड़ने वाला पंखा, बोलने वाला कुत्ता आदि) का एक रचनात्मक विज्ञापन बनाइए, जिसमें चित्र, नारा तथा चार-पांच पंक्तियां का वर्णन हो।

3-लोक कथा संग्रह:

* अपने दादा- दादी या परिवार के किसी बड़े से एक पुरानी लोक- कथा या किस्सा सुनकर उसे अपने शब्दों में लिखिए और अंत में एक सीख भी जोड़िए।

4-वातावरण पर कविता-लेखन:

प्रकृति, गर्मी की छुट्टियां या बारिश जैसे विषयों पर खुद से एक छोटी कविता चार- आठ पंक्तियां लिखें।

5-सामाजिक विषय पर पोस्टर व लेख:

बाल श्रम, जल बचाओ या प्लास्टिक हटाओ जैसे सामाजिक विषयों पर एक पोस्टर बनाइए और उस पर एक अनुच्छेद भी लिखिए। (80 से 100 शब्दों में)

Subject- English

1. Literature (First Flight & Footprints without Feet)

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?

2. Grammar Practice (Bravia Worksheet)

Tenses (fill in the blanks)

Reported Speech

Active and Passive Voice

Modals (can, could, must, should, etc.)

3. Writing Skills

Do any 2 of the following:

- a) Write a letter to the editor on the need to reduce plastic use in your city.
- b) Write an article on "The Importance of Time Management for Students."
- c) Write a story in 150-200 words that begins with: "It was raining heavily and I was alone at home..."

4. Vocabulary Enrichment

Write 30 difficult words from your literature textbook.

Write their meanings and use them in sentences

Mathematics

Chapter 1: Real Numbers

1. ***Project*:** Explore the concept of real numbers and their applications in real-life situations. Prepare a project report on the importance of real numbers in mathematics and everyday life.
2. ***Activity*:** Create a diagram to illustrate the different types of real numbers (rational, irrational, integers, etc.).
3. ***Problems*:** Solve the following problems:
 - Prove that $\sqrt{2}$ is an irrational number.
 - Find the HCF and LCM of two numbers using the fundamental theorem of arithmetic.

Chapter 2: Polynomials

1. ***Project*:** Investigate the relationship between the degree of a polynomial and its graph. 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, maxima, minima, etc.).
3. ***Problems*:** Solve the following problems:
 - Find the zeros of a quadratic polynomial and verify the relationship between the zeros and coefficients.

- Divide a polynomial by another polynomial and find the quotient and remainder.
- Solve Given WS

Chapter 3: Pair of Linear Equations in Two Variables

1. ***Project:*** Develop a real-life scenario that can be modeled using a pair of linear equations in two variables. Prepare a project report on the importance of linear equations in mathematics and everyday life.
2. ***Activity:*** Create a graph of a pair of linear equations in two variables and analyze the solution.
3. ***Problems:*** Solve the following problems:
 - Solve a pair of linear equations in two variables using substitution or elimination method.
 - Find the solution of a pair of linear equations in two variables graphically.
 - Solve given WS

Submission:

- Submit the project reports, activity sheets, and problem solutions in a neat and organized manner.
- Include explanations and justifications for your solutions.

Subject – Science

Learning:

Study Chapter 1 and Chapter 9 from the textbook and notebook.

Written:

Write all reactions of Chapter 1 in a rough notebook.

Draw ray diagrams of Chapter 9 in a rough notebook.

Activity:

Write the aim, observation, and conclusion of activities from Chapters 1 & 2 on an A4 size sheet.

1. Chemical Reactions and Equations

A. Conceptual Questions

1. Define the following terms with examples:

Chemical Reaction

Reactants and Products

Precipitate

Oxidation and Reduction

2. Write balanced chemical equations for:

Rusting of iron

Decomposition of lead nitrate

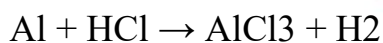
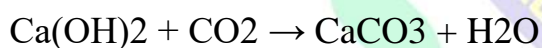
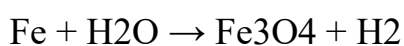
Reaction of zinc with hydrochloric acid

B. Activity-Based Tasks

1. Observe and record any 2 chemical changes at home (like milk curdling, iron rusting).
2. Identify the type of reaction (e.g., combination, decomposition, displacement, etc.) in each case.

C. Practice Balancing Equations

Balance the following:

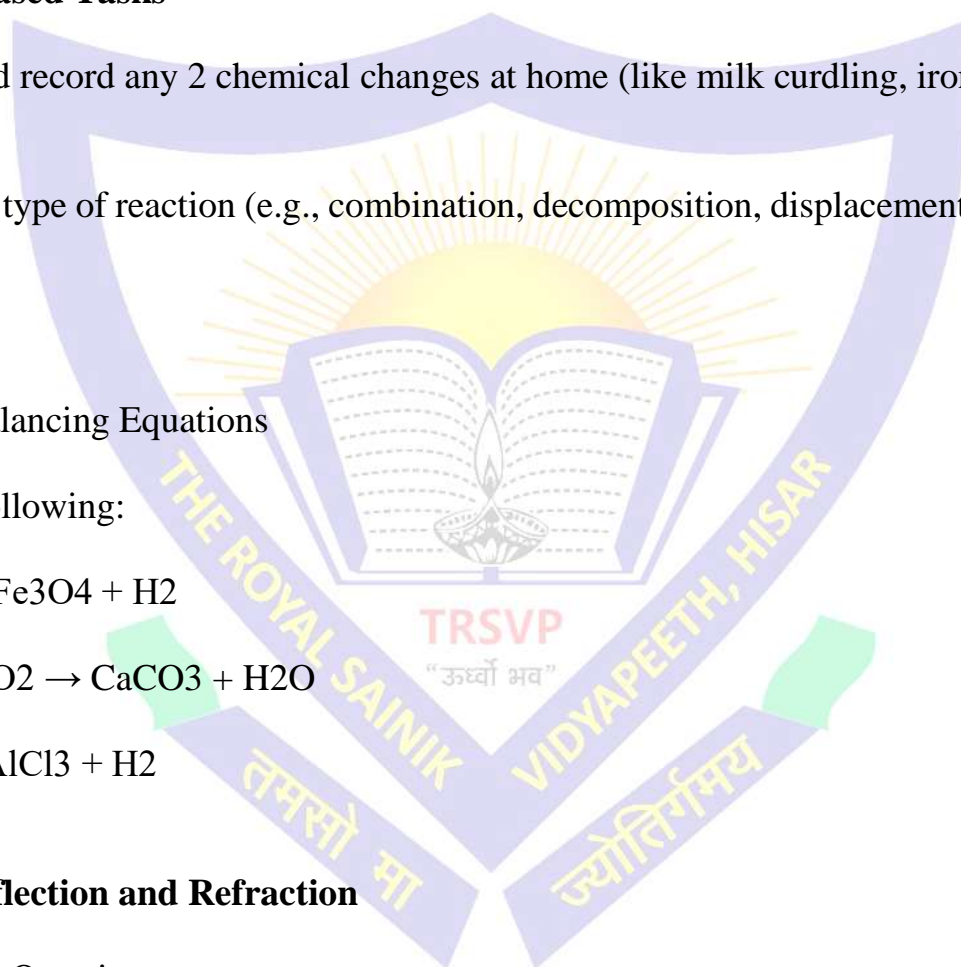


2. Light – Reflection and Refraction

A. Conceptual Questions

1. Define the laws of reflection and refraction.
2. State the difference between real and virtual images.
3. Write the mirror formula and magnification formula.

B. Ray Diagrams (Draw neatly with a pencil and ruler)



1. Ray diagram for:

Image formed by a concave mirror when the object is placed beyond the center of curvature.

Image formed by a convex lens when the object is placed at the focus.

2. Label all parts clearly (object, image, principal axis, etc.).

C. Numericals

Solve:

1. A concave mirror forms an image 20 cm from the mirror when the object is 30 cm in front of it. Find the focal length.

2. An object 2 cm high is placed 10 cm from a convex mirror. The image is formed 5 cm behind the mirror. Find the magnification and height of the image.

➤ **Do the above assignment in Holiday Homework Notebook.**

Subject-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-1 of Part-B.

Subject - Social Science

Instructions:

1. Use eco-friendly materials.
2. Organize work neatly in a folder.
3. Give proper headings, use bullet points, and decorate with care.

1. Project Work

- A. Democratic Politics: “Role of Social Movements in Strengthening Democracy”

2. Write a report (500–700 words) on:

- a. The cause and origin of the movement
- b. Role of citizens and government

3. Map Skill Activity

On a political map of India, mark the following:

- a. States/Regions affected by any two major environmental issues (deforestation, drought, floods, etc.)

- b. Locate any two historical cities and write one historical fact about each.

4. Creative Task:

- a. Theme: “The Indian Constitution Comes Alive!”
- b. Imagine the Constitution as a superhero protecting citizens.

Written work:- Assignment

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

1. Who started the Khilafat Movement in India?
2. In which year did the Jallianwala Bagh massacre take place?
3. Name the leader who led the peasants’ movement in Awadh.
4. What was the main demand of the Salt March?
5. What does the term 'Satyagraha' mean?

Section B – Short Answer(Answer in 30–50 words)

6. State two reasons why Gandhi called off the Non-Cooperation Movement in 1922.
7. Mention any two demands included in Gandhi’s 11-point charter before launching the Civil Disobedience Movement.
8. Why did the relationship between Hindus and Muslims weaken during the nationalist movement?
9. How did the First World War help in the growth of the national movement in India?
10. Explain any two features of the Rowlatt Act of 1919.

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

11. Explain the significance of the Dandi March in the Indian freedom struggle.
12. What was the impact of the Jallianwala Bagh massacre on the Indian people and nationalist leaders?
13. Describe the participation of women in the Civil Disobedience Movement.
14. How did nationalism spread through the use of symbols and icons in India?
15. Discuss the role of Alluri Sitaram Raju in the tribal movement of Andhra Pradesh.

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

16. Describe the main features of the Non-Cooperation Movement launched by Mahatma Gandhi.
17. Discuss the causes, events, and impact of the Civil Disobedience Movement.
18. Explain how different social groups participated in the Civil Disobedience Movement with their own aspirations.
19. How did cultural processes help in the growth of Indian nationalism?

Learning work:- Ch-1 (Geography)

Ch-1(Civics)

Ch-1 & 2(History)