

Silver Grove School

Class - IX

Holiday Homework

English

- **1- Know about Poet-**
- Gather information about Sudha Murti, Tamsula A.O Henry and Robert Frost. Also, talk about his famous writings.
- **How to do-** Prepare a biographical sketch using name, date of birth, Educational qualifications, family, work, achievements.
- (Note- about 150-180 words)
- **Where to do-** Use a well decorated A-4 size sheet.
- **2-Know the lesson-** Gather a short summary of the given lesson How I taught my grandmother to read, Bharat our land, the pot maker.
- **How to do -** Prepare a file using a decorated sheet and write a summary/central idea accordingly.
- **3-** Revise Tenses and write it with its examples.
- **4-** Writing the Paragraph of a given topic.
- 1- The use of Modern Technology
- 2- The last leaf
- **(Note- At every page of the file there must be a picture related to writers and their works.)**

हिंदी

1. क्षितिज भाग-1

(क) दो बैलों की कथा-

> इस कहानी में हीरा और मोती के स्वभाव का वर्णन करें। (60-80 शब्द)

> इस पाठ से कोई 20 बहुविकल्पी प्रश्न लिखिए।

> " दो बैलों की कथा" पाठ से प्रश्न -संख्या 1, 2, 5 एवं 7 का उत्तर लिखें और याद करें।

2. काव्य खंड -

i) "रैदास के पद" पाठ से प्रथम पद की संदर्भ सहित व्याख्या कीजिए।

ii) किन्हीं दो प्रश्नों का उत्तर लिखिए और याद कीजिए।

3. व्याकरण-

> अलंकार: कोई 3 अलंकार परिभाषा और उदाहरण सहित लिखें।

> संज्ञा, सर्वनाम क्रिया एवं विशेषण की परिभाषा उदाहरण सहित लिखिए और याद कीजिए।

> 10 उपसर्ग और 10 प्रत्यय का प्रयोग कर दो उदाहरण लिखिए।

> वाक्य भेद: केवल नाम और एक-एक उदाहरण

4. लेखन कार्य-

(क) पत्र लेखन

मित्र को अपने गाँव की यात्रा का वर्णन करते हुए पत्र-

(ख) अनुच्छेद लेखन

"जल बचाओ, जीवन बचाओ" (70-80 शब्द)

5. प्रोजेक्ट कार्य -(कोई 1 करें)

1. कबीरदास और उनकी शिक्षाएँ – A4 शीट पर संक्षिप्त परिचय व दोहे लिखें।
2. प्राकृतिक आपदा में सहयोग – चार्ट या पोस्टर बनाएँ।

Mathematics

Part A: Written Homework (Chapter 1 Focus)

To be completed cleanly in a separate assignment or graph register.

1. Conceptual & Historical Thinking

- **Historical Grid Planning:** Read the introduction of Chapter 1 regarding how coordinate thinking evolved in Bharat. Write a short note (4–5 lines) on how the grid system was used in the urban planning of the **Sindhu-Sarasvati Civilisation** (e.g., Harappa or Lothal).
- **Defining Terms:** Write precise mathematical definitions along with a neat sketch for the following terms:

1. Origin
2. Cartesian Plane
3. Ordered Pair
4. Quadrants

2. Plotting & Shape Analysis

- **Coordinate Mapping:** On a single graph paper, plot the following points: R(3, 0), A(0, -2), M(-5, -2), and P(-5, 2). Join them in the order R \rightarrow A \rightarrow M \rightarrow P \rightarrow R.
 - Name the geometric figure formed.

- Identify one side that is parallel to the x-axis.
- Identify two sides that are perpendicular to each other.
- **Predicting Locations:** A point W has an x-coordinate equal to -5. If a point H lies on a line passing through W that is parallel to the y-axis, write down the general coordinates of H. In which quadrants or axes can H possibly lie?

3. Reflections & Distances

- **Mirror Images:** Look at the points M(-5, -2) and P(-5, 2) from your graph. Explain why they are mirror images of each other and name the specific axis acting as the mirror line.
- **Triangle Construction:** Plot a point Z(5, -6) on a Cartesian plane. Form a right-angled triangle IZN by choosing suitable points I on the x-axis and N on the y-axis so that the angle at Z is 90° . Calculate the lengths of the three sides of your triangle.

☺ Part B: Practical Project Work

Choose **any one** of the following hands-on projects based on Chapter 1.

Project 1: "My Classroom/House Layout" Floor Plan

- **Objective:** Apply 2D coordinate space to a real-life layout (similar to Reiaan's bathroom floor plan layout in the textbook).
- **Tasks:**
 - Take a standard grid sheet or graph paper and assign the bottom-left corner or center of your room as the Origin (0, 0).
 - Use a scale (e.g., 1 unit = 1 foot) to plot the coordinates of the four corners of your room.
 - Plot the exact coordinate locations for at least 4 major items (e.g., bed, study table, wardrobe, door hinges). Label the corners of these objects with their accurate ordered pairs (x, y).

Project 2: Interactive Cartesian Quadrant Board

- **Objective:** Create a visual aid to understand the signs of different quadrants.
- **Tasks:**
 - Use a piece of thick cardboard and draw a large, clear Cartesian plane with bold X and Y axes.
 - Clearly label the four quadrants (Quadrant I to IV).
 - Use colored paper or text to highlight the unique sign conventions for each quadrant:
 - **Quadrant I:** (+, +)

- **Quadrant II:** (-, +)

- **Quadrant III:** (-, -)

- **Quadrant IV:** (+, -)

- Attach 2 movable cut-out arrow points on the board that can be physically pinned onto different coordinates to demonstrate how the signs change.

Social Science

SOCIAL SCIENCE PROJECT

Topic: THE JOURNEY OF HUMAN SOCIETY

From Evolution to Democracy

History

Chapter: The Stone Age & Indus Valley Civilization

Section A: Very Short Answer Type -

1. The Old Stone Age is also known as ____.
2. What are Microliths?
3. In which age did agriculture begin?
4. Name the largest site of Indus Valley Civilization.
5. Which metal was unknown to the Harappans?
6. Where is the 'Great Bath' located?

Section B: Short Answer Type -

1. What was the main occupation of Paleolithic people?
2. Why is the Mesolithic Age called the "Transitional Age"?
3. Name 2 important sites of the Neolithic Age in India.
4. Mention 2 features of Harappan seals.

Section C: Short Answer Type -

1. Write 3 differences between Paleolithic and Neolithic Age.
2. Describe any 3 features of the town planning of Indus Valley Civilization.
3. How was the drainage system of Harappan cities advanced for its time?

Section D: Long Answer Type -

1. What is the Neolithic Revolution? How did it change human life?
2. Describe the main features of economic life in Indus Valley Civilization with reference to agriculture, trade, and crafts.
3. Explain the possible reasons for the decline of Harappan Civilization.

Section E: Map Work -

On an outline map of India, mark and label the following sites:

1. Harappa
2. Mohenjo-daro
3. Lothal
4. Dholavira

Question: Which two of the above sites are now in Pakistan?

Science

1. Write definition of basic physical quantity.
2. Explain about state of an object (rest or motion)
3. Derive all the equation of motion.
4. What is uniform circular motion?
5. Solve all the exercise of motion.
6. Write units of basic physical quantity.
7. Explain scalar and vector quantity with 5 example of both.
8. What are characteristic of mixture?
9. What are type of mixture.
10. Can matter change its state?
11. Write interconversion of states of matter.
12. What is evaporation and its factors?
13. Solve numericals based on changing temperature.
14. How does evaporation causes cooling?
15. Draw the figures of various types of cells present in human body.
16. Draw a mind map to show cell components, cell organelles its discoveries and their functions.
17. Draw the nucleus of the cell and write a short note for the following
 - a. Double layered structure which encloses the nucleus
 - b. Visible entangled mass of thread like structure
 - c. A darkly stained round structure inside the nucleus
18. Differentiate the following terms
 - a. Cytoplasm and nucleoplasm
 - b. Plant cell and animal cell
 - c. Prokaryotic and eukaryotic cell
19. Where do the lipids and proteins constituting the cell membrane get synthesized?

20. Draw a neat labelled diagram of mitochondria and label its parts.

Computer

- Q1. What is communication? Explain the different methods of communication with examples.
- Q2. What are elements of effective communication.
- Q3. Explain the merits and demerits of all types of communication.
- Q4. Write on the short note:
 1. BPO
 2. BPM
 3. CBT
 4. Virtual class
 5. Online payment
- Q5. Write any 5 applications which are used in your daily life.