



**RAO MOHAR SINGH
MEMORIAL SR. SEC PUBLIC
SCHOOL**

Happy Summer Holiday Children!



Don't forget to read a book on vacation!

Dear Parents,

Greetings from Rao Mohar Singh Sr. Sec. Memorial School!

❖ Kindly find enclosed subject wise H.W. for your ward to be done during summer holidays i.e. from 15 May 2026 to 30 June 2026.

❖ Help your ward to complete his/her work and submit the same on 1 July 2026 when school reopen after summer holidays.

❖ H.W is more academic focused to develop the writing skills, plus they are in touch with their subjects.

❖ **Note:** - Utilize free time of your child by promoting reading good books, watch motivating videos/ films, do physical activity and engage in home task of daily routine. Teach them the core values of your family and keep socializing for celebrations & spreading happiness.

Return Back To School

Refreshed,

Inspired, And Brimming

With

Wonderful Stories And

Memories.

SUMMER HOLIDAY HOMEWORK
ACADEMIC YEAR: 2026-27
CLASS: VIII

General Instructions:

1. Complete all the work in neat and legible handwriting.
2. Follow proper format for each question.
3. Do the work independently. Avoid copying from others or the internet.
4. Maintain cleanliness and proper margins while writing.
5. **COMPLETE YOUR HOLIDAY HOMEWORK OF EACH SUBJECT IN A-4 SIZE RULED SHEET.**

SUBJECT: ENGLISH

Q1. Diary Writing

Write any THREE diary entries based on your personal experiences during the holidays.

Each diary entry must:

Be written in proper format (Date, Day, Dear Diary...)

Describe what happened during the day

Include your feelings and thoughts

Q2. Notice Writing

Write TWO notices on the following topics:

- Announcement of “No-Bag Day” in school.
- As the Secretary of your Housing Society, write a notice to inform residents about a water supply cut in your society.

Each notice must include:

Name of the organization (School/Society)

Date

Title

Content (clear and brief)

Name & designation

Q3. Favourite Character

Choose one character from any chapter or poem you have studied.

Write a paragraph on:

Who the character is

Why you like or dislike the character

What kind of person they are

How different you are personally from them

Q4. Project Work

1. Make "My Summer Vacation" scrapbook, collecting pictures and memories of your holidays.
2. Design a creative handmade English newspaper "The Summer Times" . Include at least 5 sections, news, weather report, sports, entertainment, and comics

SUBJECT: ENGLISH SPOKEN

1. All questions are mandatory to attempt.
2. Learn – How to introduce yourself formally in English.
3. Write 10 sentences about yourself.
4. Make 10 questions using WH family words.
5. Write 10 answers of WH family questions.
6. Learn all the given phrases form your N/B.
7. Write names of 20 fruits in English and use in daily life speaking.
8. Write names of 10 dry fruits in English and use in daily life speaking.
9. Learn spellings and pronunciation of all fruits and dry fruits and use them.
10. Speak your formal introduction daily in front of your family & mirror.
11. Use at least 5 WH questions in daily conversation.
12. Use 5 sentences daily in your daily life conversation.
13. Learn 5 new words daily.


SUBJECT: SOCIAL SCIENCE


Task 1:

Complete any **TEN** of the following activities on A4 size sheets in a neat and creative manner.


Week 1

Activity 1 – Ancient Civilizations

 Paste pictures of famous ancient civilizations like the Indus Valley, Egyptian, or Mesopotamian Civilization.



 Write 4–5 interesting facts about their culture, inventions, and lifestyle.

Activity 2 – Resources Around Us

 Observe your surroundings and list natural, human-made, and human resources found nearby.

 Decorate the page with drawings or magazine cuttings.

Activity 3 – Indian States and Famous Crops



-  Prepare a colourful chart showing important crops grown in different Indian states.
-  Use symbols or drawings creatively.

Activity 4 – Rights and Duties

Write about Fundamental Rights and Fundamental Duties of Indian citizens.


- Add slogans promoting equality, justice, and responsibility.

Activity 5 – Climate Watch



-  Collect weather reports for one week from newspapers or TV.
-  Record temperature, rainfall, and weather conditions in a table.

Week 2



Activity 6 – Major Landforms

-  Draw and Label Mountains, plateaus, plains, deserts, and islands neatly with colours.



Activity 7 – Rural and Urban Life

-  Compare village life and city life using a creative comparison chart.
-  Mention transport, occupations, lifestyle, and facilities.


Activity 8 – Indian Heritage

-  Paste pictures of Indian heritage sites.
-  Write why they are important and how they should be protected.

Activity 9 – Save Water Campaign


-  Design an attractive poster showing methods of water conservation.
-  Add catchy slogans and drawings.

Activity 10 – Family Occupations Survey



-  Talk to elders about occupations followed by family members in past and present generations.
- Write your findings in 1–2 pages.

Week 3



Activity 11 – Map Skills

-  Draw a political map of India and mark:
 - Neighbouring countries
 - Major rivers & Important mountain ranges.



Activity 12 – Wildlife Protection

-  Prepare a scrapbook page on endangered animals of India.
-  Mention causes of extinction and conservation methods.



Activity 13 – Democracy and Government

-  Write a short note on the importance of democracy in India.
-  Mention voting rights and responsibilities of citizens.

Activity 14 – Means of Communication



-  Collect or draw pictures of traditional and modern means of communication.
-  Mention their advantages.

Activity 15 – National Leaders


-  Paste pictures of national leaders and freedom fighters.
-  Mention their major contributions to India.

Week 4


Activity 16 – Food Diversity of India

-  Make a colourful chart showing famous dishes of different Indian states.
-  Add pictures or hand-drawn illustrations.

Activity 17 – Natural Resources Conservation

-  List important natural resources and explain ways to conserve them.

Activity 18 – Historical Monuments

-  Draw or paste pictures of famous monuments and describe:
 - Architecture
 - Location
 - Historical importance

Activity 19 – SST Creative Scrapbook

- Compile all activities into a beautifully decorated scrapbook with borders, headings, and colours.

Activity 20 – Quiz Time

Prepare 20 interesting Social Science quiz questions with answers on A4 sheets.

Task 2:

Roll no. 1–16 – Prepare a **3D Resource Map of India** showing minerals, forests, and water resources using different colours and symbols.

Prepare yourself with the demonstration of your model. (**Ideas can be taken from atlas / maps.**).

OR

Prepare a **Mini Model of Taj Mahal** using thermocol/foam and create a garden around it.

Prepare yourself with a short presentation on Mughal architecture.

OR

Prepare a **statue/scene of Maharana Pratap with Chetak**. Focus on courage and historical importance.

Roll no. 17–32 – Prepare **Renewable vs Non-renewable Resources Model** showing two halves: One side with solar panels and windmills, and the other with coal mines and factories.

Prepare yourself with the explanation of both types of resources.

OR

Prepare a model showing **Darbar Scene of Akbar** with ministers and courtiers.

Be ready to explain Akbar's administration.

OR

Prepare a model of **Qutub Minar Complex** including the tower and nearby structures.

Be ready to present facts about the Delhi Sultanate.

Roll no. 33–49 – Prepare a **Working Model of Water Cycle** showing evaporation, condensation, and precipitation using cotton (clouds) and coloured sheets.

Be ready to explain the process clearly.

OR

Prepare a model of the **Battle of Haldighati** showing hills, soldiers, and horses.

Explain the bravery of Rajput warriors.

OR

Prepare a model of **Golden Temple** using golden foil/paper.

Explain its significance in Sikh history.

Instructions:

- Use materials like cardboard, clay, thermocol, and recycled items.
- Label all important parts clearly.
- Make your model neat, creative, and colourful.
- Prepare a short oral presentation (1–2 minutes).
- Working models (with movement/light/water flow) will be appreciated.
- Include pictures, headings, and neat presentation

विषय: संस्कृत

प्रश्न 1. पठ् , लिख्, हस, नम्, क्रीड् धातुओं का लट्, लृट्, लइ, लोट, विधिलिङ्ग लकारों के प्रत्ययों को जोड़कर धातु रूप लिखें।

प्रश्न 2. गृहजनानां मित्राणां वा सहाय्येन पंचदश (15) गृह बस्तु नामानि संस्कृते लिखत।

प्रश्न 3. मास दिनानां नामानि संस्कृते लिखत।

प्रश्न 4. अस्मद् युष्मद् तद् (तीनों लिंगों के रूप) A4 size पत्रे ऊपरि लिखन्तु।

प्रश्न 5. शिष्टाचार विषये पंचानां श्लोकानां संग्रहं कुर्वन्तु।

प्रश्न 6. पाठ्य पुस्तक अभ्यास:- पढ़ाए गए पाठों का अभ्यास करें व प्रश्न उत्तर याद करें।

नोट – केवल प्रश्न संख्या 4 छोड़कर सभी प्रश्न अपनी संस्कृत नोटबुक में करें।

विषय – हिन्दी

अनुच्छेद लेखन

निम्न विषयों पर 120–150 शब्दों में अनुच्छेद लिखिए:

1. समय का सदुपयोग
2. पर्यावरण संरक्षण
3. मोबाइल फोन के लाभ और हानि
4. खेलों का महत्व
5. मेरा प्रिय शिक्षक

पत्र लेखन

1. अपने मित्र को पत्र लिखिए जिसमें आप अपनी गर्मियों की छुट्टियों का वर्णन करें।
 2. प्रधानाचार्य को पत्र लिखिए जिसमें विद्यालय में खेल के मैदान की व्यवस्था बढ़ाने का अनुरोध करें।
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रचनात्मक लेखन

1. मेरी पसंदीदा पुस्तक पर 10–12 वाक्य लिखिए।
2. मेरा प्रिय त्योहार पर 10–12 वाक्य लिखिए।
3. मेरे जीवन का लक्ष्य विषय पर 8–10 वाक्य लिखिए।

साहित्य गतिविधि

1. किसी एक हिन्दी कहानी को पढ़कर उसका संक्षेप (10–12 वाक्य) लिखिए।
 2. किसी एक प्रसिद्ध हिन्दी कवि की कविता लिखिए।
 3. 10 नए हिन्दी शब्द लिखिए और उनके अर्थ लिखिए।
 4. 10 लोकोक्तियाँ लिखिए और उनके अर्थ लिखिए।
-

रचनात्मक गतिविधियाँ

1. 5 हिन्दी पहेलियाँ लिखिए और उनके उत्तर लिखिए।
 2. स्वच्छता पर 5 नारे लिखिए।
 3. 20 शब्दों की शब्द श्रृंखला बनाइए।
 4. अपने विद्यालय का चित्र बनाइए और उसके बारे में 6–8 वाक्य लिखिए।
-

परियोजना कार्य

1. “भारत के राष्ट्रीय प्रतीक” पर चार्ट बनाइए (राष्ट्रीय पशु, पक्षी, फूल, ध्वज आदि)।
2. “पर्यावरण संरक्षण” पर पोस्टर बनाइए और 6–7 वाक्य लिखिए।
3. किसी एक महान हिन्दी कवि (कबीर / तुलसीदास / महादेवी वर्मा) के बारे में जानकारी लिखिए।
4. प्रतिदिन 1 पृष्ठ सुलेख लेखन कीजिए।
5. “मेरा प्रिय त्योहार” विषय पर अनुच्छेद लेखन कीजिए।
6. 20 मुहावरे अर्थ और वाक्य सहित लिखिए।

7. 20 लोकोक्तियाँ अर्थ सहित लिखिए।
8. 25 पर्यायवाची शब्द लिखिए।
9. 25 विलोम शब्द लिखिए।
10. अपनी छुट्टियों के अनुभव पर डायरी लेखन कीजिए।
11. किसी एक महापुरुष का चित्र चिपकाकर उनके बारे में 10 पंक्तियाँ लिखिए।
12. “पेड़-पौधों का महत्व” विषय पर पोस्टर बनाइए।
13. अपनी पसंदीदा कहानी पढ़कर उसका सारांश लिखिए।
14. “यदि मैं प्रधानाचार्य होता/होती” विषय पर निबंध लिखिए।
15. 10 अनेक शब्दों के लिए एक शब्द लिखिए।
16. 10 श्रुतिसम भिन्नार्थक शब्द लिखिए।
17. हिंदी समाचार पत्र से प्रतिदिन 5 नए शब्द खोजकर लिखिए।
18. जल संरक्षण” विषय पर कविता लिखिए।
19. अपने दादा-दादी/नाना-नानी का साक्षात्कार लेकर 10 वाक्य लिखिए।
20. किसी ऐतिहासिक स्थान की जानकारी एकत्र करके परियोजना तैयार कीजिए।
21. प्रतिदिन 15 मिनट हिंदी पुस्तक का वाचन अभ्यास कीजिए।
22. अपनी पसंद का एक संवाद लेखन तैयार कीजिए।
23. सुंदर हस्तलेखन में अपनी पसंद की कोई प्रेरणादायक कविता लिखिए।

SUBJECT: COMPUTER

Q1. Choose the correct option. (MCQ)

- a) Describes a computer that is connected to a network.
- | | | | |
|----------|-------------|------------|-----------------|
| (i) Node | (ii) Device | (iii) Unit | (iv) Attachment |
|----------|-------------|------------|-----------------|
- b) Which of the following computer network spans across a city?
- | | | | |
|---------|----------|-----------|----------|
| (i) LAN | (ii) MAN | (iii) WAN | (iv) CAN |
|---------|----------|-----------|----------|
- c) A computer network that can be used only within an organisation is called_____
- | | | | |
|--------------|---------------|------------|-------------|
| (i) Internet | (ii) Intranet | (iii) POP3 | (iv) Server |
|--------------|---------------|------------|-------------|
- d) Which of these is used to connect a home computer to the internet?
- | | | | |
|------------|------------|--------------|----------|
| (i) Switch | (ii) Modem | (iii) Router | (iv) Hub |
|------------|------------|--------------|----------|

e) Which is the fastest transmission medium?

- (i) Coaxial Cable (ii) Twisted Pair (iii) Fiber Optic Cable (iv) Radio Waves

Q2. Fill in the blanks:-

- a) _____ a set of rules that governs the communication between computers on a network.
- b) _____ is a protocol that allows e-mail clients to retrieve e-mail/messages from an e-mail sever.
- c) In _____ topology, every node is connected to each other node.
- d) _____ is an expansion card which is used to provide the network access to a computer.

Q3. Write T for true and F for false.

- a) Modulation is the process of converting digital signals to analog signals.
- b) People can easily share information through computer networking.
- c) In Bus topology, all the nodes are connected to a single common path.
- d) A server is also called host computer.

Q4. Answer the following question:-

- a) What is a [Node](#) and [Server](#)?
- b) Define Network [Topology](#).
- c) Differentiate between a Hub and a Switch.
- d) What is the role of an ISP?
- e) Describe LAN and MAN.

Q5. Write the Definitions of packet, Firewall and Wi-Fi.

Q6. Application based question:-

- a) Sumit wants to setup a network for his organisation. He wants to use a topology in which all nodes are connected in a circular path. Which topology should he choose?
- b) Deepak wants to setup a server which manages all the network traffic. What type of server doe he want to setup?

Q7. Practical task: -

- Create a 6-8 slide presentation on the topic of "Evolution of Computers" (1st to 5th Generation), include pictures, definitions, and advantages/disadvantages of different computer generations.
- Create a "Student Report Card" in Microsoft Excel with using formatting and Formulas.
(Note:- Take a printout of these and submit it when the school will open)

Q8. Creativity task:-

- Make a beautiful chart about “Types of Networks”. (Roll no. 1 to 25)
- Make a beautiful chart about the topic of “Types of Topology”. (Roll no. 26 to 50)

SUBJECT: ART & CRAFT

1. Colour Work: 'Indian Culture Theme' – Draw and colour a picture based on Indian culture (festivals, dances, dresses, etc.). **(Do any one)**
2. Shading Work: 'Still Life Shading' – Draw objects like a bottle, glass, and book. Apply realistic pencil shading.
3. Chart Work: 'Famous Indian Art' – Make a chart showing art styles like Madhubani and Warli.

SUBJECT: MATHS

 **CHOOSE THE CORRECT OPTION**

Q1. Which of the following will have 1 at its unit place?

- (a) $(124)^2$ (b) $(79)^2$ (c) $(83)^2$ (d) $(160)^2$

Q2. The natural numbers lie between 18^2 and 19^2 are

- (a) 30 (b) 36 (c) 35 (d) 37

Q3. The sum of $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17$ is

- (a) 78 (b) 64 (c) 85 (d) 81

Q4. The value of $\sqrt{176+\sqrt{2401}}$ is

- (a) 15 (b) 14 (c) 17 (d) 16

Q5. The square root of 0.0576 is

- (a) 2.4 (b) 0.024 (c) 0.0024 (d) 0.24

Q6. The smallest number by which 1944 must be divided to get a perfect square is

- (a) 2 (b) 6 (c) 3 (d) 9

Q7. Number of perfect cubes from 100 to 500 are

- (a) 4 (b) 3 (c) 7 (d) 6

Q8. The value of $\sqrt[3]{19683}$ is

- (a) 37 (b) 29 (c) 27 (d) 23

Q9. If the unit digit of cube root of a number is 8 then number may be

- (a) 5832 (b) 1718 (c) 1024 (d) 21950

Q10. A cube cannot end with

- (a) two zeros (b) three zeroes (c) six zeros (d) nine zeroes

Q11. If $62^2 = 3844$ then 63^2 is equal to

- (a) $3844 + 63$ (b) $3844 + 126$ (c) $3844 + 125$ (d) $3844 + 64$

Q12. The interior angle sum of a convex polygon with number of sides n is

- (a) $(n - 2) 180^\circ$ (b) $(n + 2) 180^\circ$ (c) $(2n - 4) 180^\circ$ (d) $(2n + 4) 180^\circ$

Q13. The sum of the measures of the exterior angles of any polygon is

- (a) 90° (b) 180° (c) 360° (d) 720°

Q14. In an isosceles trapezium, we have

- (a) pair of parallel sides equal (c) pair of non-parallel sides equal
(b) pair of non-parallel sides as perpendicular (d) none of these.

Q15. Diagonal of which of the following quadrilaterals do not bisect it into two congruent triangles?

- (a) Rhombus (b) Square (c) Rectangle (d) Trapezium

Q16. Which of the following is true for the adjacent angles of a Parallelogram?

- (a) They are equal to each other (c) They are complementary angle,
(b) They are supplementary angles (d) None of these

Q17. The four angles of a quadrilateral are in the ratio $1 : 2 : 3 : 4$. What type of quadrilateral is formed?

- (a) Parallelogram (b) Trapezium (c) Rhombus (d) Square

Q18. In a parallelogram $\angle A : \angle B = 1 : 2$ then $\angle 1$ is

- (a) 90° (b) 45 (c) 60° (d) 30°

Q19. Which of the following is not a symbol for the landmark numbers of the Egyptian system?



Q20. The Babylonian number system had used the symbol $<$ to represent

- (a) 1 (b) 10 (c) 5 (d) 20

Q21. What does the Gumulgal's number name 'ukasar-ukasar-ukasar' stand for?

- (a) 6 (b) 3 (c) 9 (d) 5

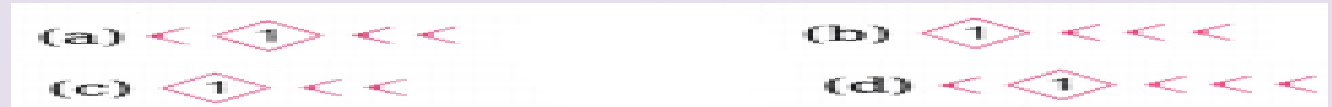
Q22. What does the Roman numeral MCMXL stand for?

- (a) 1990 (b) 1940 (c) 1490 (d) 1949

Q23. Which number system used both vertical and horizontal rods to distinguish place value?

- (a) Hindu (b) Mayan (c) Egyptian (d) Chinese rod numerals.

Q24. In Mesopotamian number system, 630 is written as



Q25. The Zongs are used to represent

- (a) tens (b) units (c) thousands (d) hundreds of thousands

SOLVE THESE:

- DO Let's Evaluate Exercise of following chapters in separate holiday homework notebook.(show all steps and calculations)

Chapter – 1: A Square and A Cube (page no. 27 to 28)

Chapter – 4: Quadrilaterals (page no. 107 to 108)

- DO Solve Mentally Exercise of following chapter in separate holiday homework notebook.

Chapter – 3: A Story of Numbers (page no. 79 to 80)

MODELS:

- Make any ONE model:

➤ **Ice-Cream Stick Factor Tree**

Concept: Square & Cube Roots (Prime Factorization)

Materials: Used ice-cream sticks, thread, marker

Procedure:

- Write factors on sticks.
- Tie them like a **tree diagram**:
 - Example: $72 \rightarrow 2 \times 2 \times 2 \times 3 \times 3$
- Group sticks:
 - Pairs \rightarrow square root
 - Triples \rightarrow cube root

➤ **Cardboard Flip Model (Square Roots)**

Concept: Square Roots

Materials: Waste cardboard, paper fasteners

Procedure:

- Create flaps:
 - Front: 49
 - Inside: $\sqrt{49} = 7$
- Make multiple flip cards.

✚ **Puzzles & Riddles** :(Furthermore, to challenge the cognitive capacity of Class 8 students.)

Students can create 3 math riddles related to Square and Cube, A Story of Numbers and Quadrilaterals during their school break.

✚ **PROJECT:**

Floor Design / Rangoli Project

➤ (Roll no 1 to 15)

Idea: Create designs using quadrilaterals.

How to do:

- Design a floor pattern or rangoli using:
 - Squares
 - Rhombuses
 - Parallelograms
- Color and label shapes

Tangram Quadrilateral Project

➤ Roll no 16 to 30

Idea: Use tangram pieces to form different quadrilaterals.

How to do:

- Create shapes using paper pieces
- Identify type of quadrilateral formed
- Explain properties

Make Family Tree of Quadrilateral

➤ Roll no 31 to 47

Idea: Use different quadrilaterals figures to form a tree.

How to do:

- Create shapes using paper pieces or draw.
- Identify type of quadrilateral formed. Also explain properties.
-

✚ **Case Study Questions**

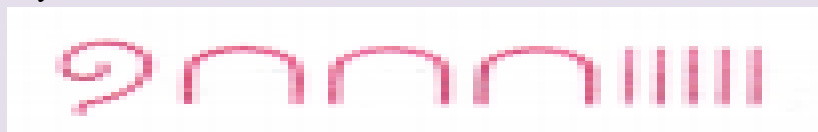
Case Study 1 – (A) A school has a big clock tower in which all the numbers written in Roman numerals. The teacher asks some questions from the students regarding the clock.

(a) What will be the Roman numeral written at 12 o' clock?

(b) What will be the sum of Roman numeral written at 9 o' clock and 11 o' clock?

(c) If the minute hand points at 12 and the hour hand points at 9 then what does the clock show? Write the hour in Roman numerals.

(B) In ancient Egypt, a royal scribe was tasked with recording the daily grain collection. His one day's collection was



and it needed to be multiplied by five for weekly accounting.

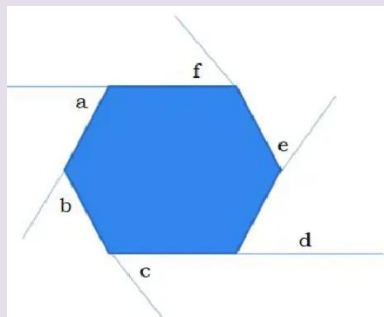
Based on the above information, answer the following questions.

- What was his one day's collection in Hindu numerals?
 - What would be his total weekly collection in Hindu numerals?
 - Find his weekly collection in Egyptian system.
-

Case Study 2 – A snowflake is formed when water molecules join together to make a rigid shape. The water molecules combine more molecules, they extend and form a rigid crystalline structure i.e. hexagon shape.



Consider a regular hexagon and answer the following questions:



- What is the sum of measure of its exterior angles a, b, c, d, e and f?
 - Is $a = b = c = d = e = f$? Why?
 - What is the measure of each (a) Exterior angle (b) Interior angle
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Case Study 3 – A teacher gave her students four numbers: 729, 1000, 1331 add 800 . She asked them to identify which ones are perfect cubes and justify their reasoning. Later, she discussed why certain numbers, though close to cubes, fail to be perfect cubes.

Based on the above information give answers of the following questions:

- Which of the given numbers are perfect cubes?
 - Explain why 800 is not a perfect cube, even though it lies between seven to nine and 1000.
 - If a number ends with 1, what can you say about its cube root's unit digit? Justify your answer.
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SUBJECT: SCIENCE

Picture-Based Questions

Identify the following and answer the questions.

1. Find or draw a picture of a **Drip Irrigation system** and a **Sprinkler system**.
 - **Question:** Which one is better for sandy soil? Why?
2. Look at an image of **Amoeba** and **Paramecium**.
 - **Question:** How do these two organisms differ in the way they move?
3. Observe an image of a **candle flame**.
 - **Question:** Label the three zones. Which zone is the hottest and why?

Case Study

Topic: The Nitrogen Cycle & Soil Fertility

Read the following passage:

"Farmer Ramu noticed his wheat crops were yellowish and stunted. A scientist advised him to grow leguminous plants like peas or beans in the same field before the next wheat season. After doing this, the next wheat crop was healthy and green without adding extra chemical fertilizers."

1. What specific bacteria live in the roots of leguminous plants?
2. Explain the process by which these bacteria help the soil.
3. Why did the scientist suggest natural plants instead of urea or NPK fertilizers?


Model Making (Choose ONE)

A: The Lung Model

- **Materials:** Plastic bottle, balloons, Y-shaped tube/straws.
- **Goal:** Demonstrate how the diaphragm moves to help us breathe.

B: Cell 3D Model

- **Materials:** Cardboard, clay, or recycled household items.
- **Goal:** Create a 3D version of a Plant Cell vs. Animal Cell showing the difference in cell walls and vacuoles.

 List 10 items in your kitchen made of plastic. Identify if they are **Thermoplastics** or **Thermosetting plastics**.

The 'Burn' Test: (Do this with adult supervision!) Research how different fabrics (Cotton vs. Polyester) smell and look when they burn. Record your findings in a table.

Riddles

1. I am a non-metal that is liquid at room temperature. I am used in many chemical reactions and often found in sea water. If you look at the periodic table, I am a cousin to Chlorine.

Who am I?

2. Unscramble these terms related to "Friends and Foe":

- **TIBIOANTIC** (Hint: Medicine that kills bacteria)
- **STEPURIZATION** (Hint: Process to make milk safe)
- **MENTATIONFER** (Hint: How yeast turns sugar into alcohol)

3. I was formed from the remains of tiny marine organisms that died millions of years ago. I am often called "Black Gold" because of my great commercial value. I am separated into different components like Petrol, Diesel, and Paraffin wax.

What is my name, and what is the name of the process used to separate my parts?

4. Imagine you are in outer space with a friend. You try to shout their name, but they cannot hear you, even though they are standing right next to you.

Why can't sound travel in space? What "medium" is missing?

Note:

- Make your models using **recycled materials** (Best out of Waste).
- Add **diagrams** wherever possible; **Science is a visual subject**