

Summer
holiday
homework





THE SAMARTH SCHOOL, DILSHAD GARDEN

Holiday Homework

Summer Vacation (2026–27)

CLASS – VII

**“Education is the most powerful weapon
which you can use to change the world.”**

“The more you learn, the more you grow.”

Subjects Included:

✓ English

✓ Hindi

✓ Mathematics

✓ Science

✓ Social Science

✓ Sanskrit

✓ Computer

✓ French

✓ Drawing

Value of Study:

Study is not just about books, it is about building knowledge, discipline, and confidence.

It helps us become better thinkers and responsible individuals.

Learning today creates a brighter tomorrow.

“Hard Work + Smart Study = Success”

Keep Learning, Keep Growing!

ENGLISH

Overall Objectives:-

- Encourage creativity & imagination
- Build reading and writing habits

PART A: CREATIVE TASKS (FUN + EXPRESSION)

1. Dal Delight” Creative Recipe

- Create your own imaginative dal recipe
- Add funny ingredients (e.g., “magic masala”, “rainbow salt”)

2. Deep in Our Refrigerator” Imagination Task

- Open your fridge and imagine.
- Food items talking or fighting.
- Write a short poem (8–10 lines)

3. Revise and learn all the topics covered in the classroom for PT-1. Make sure you:

- ✓ Go through your classwork and notes carefully
- ✓ Revise all completed chapters thoroughly
- ✓ Focus on understanding concepts, not just memorizing"

PART B: READING TASK

Read any short story book

- Write:
- Title
- Characters
- Moral
- Your favourite part

SUBMISSION GUIDELINES

- **Presentation:** Ensure your handwriting is neat and easy to read.
- **Artistry:** Use colored pens for headings and add small doodles of talking vegetables or "magic" spices in the margins.
- **Structure:** Keep each section clearly separated so your teacher can see your hard work

हिंदी

प्रिय विद्यार्थियों, यह गृहकार्य आपकी हिंदी भाषा, व्याकरण तथा रचनात्मक क्षमता को विकसित करने के लिए तैयार किया गया है। कृपया सभी कार्य साफ-सुथरे, सुंदर हस्तलेख में एवं समय पर पूर्ण करें।

खंड – क : साहित्य

पाठ्यपुस्तक

• पाठ – मिठाई वाला

1. 'मिठाई वाला' पाठ का सारांश अपने शब्दों में लिखिए। (लगभग 120 शब्द)
2. मिठाई वाले का चरित्र-चित्रण कीजिए। (लगभग 100 शब्द)
3. इस पाठ से आपको क्या सीख मिलती है? अपने विचार लिखिए। (लगभग 80 शब्द)

• पाठ – सरफ़रोशी की तमन्ना

4. पाठ का सारांश अपने शब्दों में लिखिए। (लगभग 120 शब्द)
5. क्रांतिकारियों के मनोबल और देशभक्ति का वर्णन कीजिए। (लगभग 100 शब्द)
6. इस पाठ से प्रेरणा लेकर 'देशप्रेम का महत्व' विषय पर अनुच्छेद लिखिए। (लगभग 100 शब्द)

• पाठ – भाषा, लिपि और व्याकरण

7. भाषा किसे कहते हैं? उसके दो रूप लिखिए।
8. लिपि का महत्व अपने शब्दों में लिखिए। (लगभग 80 शब्द)
9. व्याकरण क्यों आवश्यक है? स्पष्ट कीजिए। (लगभग 80)

खंड – ख : पठन कौशल

1. दैनिक पठन अभ्यासप्रतिदिन 20–25 मिनट हिंदी की कहानी, कविता या समाचार पत्र पढ़ें। पढ़े गए पाठ का संक्षिप्त सार (5–6 वाक्य) लिखें।
2. समाचार लेखनप्रतिदिन समाचार पत्र से दो महत्वपूर्ण समाचार अपनी कॉपी में लिखें।

खंड ग व्याकरण

अभ्यासशब्द भंडारप्रतिदिन 8–10 नए शब्द लिखें, उनके अर्थ और वाक्य बनाएं।
विलोम शब्द (20) और पर्यायवाची शब्द (20) लिखें। (व्याकरण वाटिका पुस्तक से) (व्याकरण वाटिका पुस्तक से)

खंड – घ: रचनात्मक लेखन

1. अनुच्छेद लेखन

निम्नलिखित में से किसी एक विषय पर लगभग 120 शब्दों में लिखिए –

- ❖ मेरा प्रिय त्योहार
- ❖ जल संरक्षण का महत्व
- ❖ समय का सदुपयोगमहत्वपूर्ण निर्देश सभी कार्य अलग फाइल/कॉपी में करें।* कार्य साफ-सुथरा एवं सुंदर हस्तलेख में करें। स्वयं करें, नकल न करें। समय पर जमा करें।

***हिंदी विषय के संभावित प्रोजेक्ट विषय:**

संज्ञा के भेद	रोल नं 1 से 5
सर्वनाम एवं उसके प्रकार	रोल नं 6 से 10
पर्यायवाची एवं विलोम शब्द	रोल नं 11 से 15
विराम चिन्ह	रोल नं 16 से 20
उपसर्ग प्रत्यय	रोल नं 21 से 25
हिंदी वर्णमाला एवं स्वर-व्यंजन	रोल नं 26 से 30
क्रिया कल वाक्य	रोल नं 31 से 35
प्रसिद्ध हिंदी लेखकों एवं कवियों का परिचय	रोल नं 36 से 42

सभी विद्यार्थी अपनी परियोजना को रोचक, सुंदर एवं शिक्षाप्रद बनाने का प्रयास करें।

महत्वपूर्ण निर्देश -

- सभी कार्य अलग फाइल/कॉपी में करें।
- कार्य साफ-सुथरा एवं सुंदर हस्तलेख में करें।
- स्वयं करें, नकल न करें।"

नोट: इकाई परीक्षा—1 से संबंधित पाठ्यक्रम याद करें।

- आप सभी को प्रोजेक्ट बनाना अनिवार्य है । इसके अंक दिए जाएंगे

MATHEMATICS

1. Do the following Activity in Laboratory Manual book.

Lab Manual Activity:- To multiply two decimals up to one place using a square grid.

(Page No. - 21)

2. **Activity: My Summer Trip Budget (Large Numbers) (Use A-4 size sheet for the activity)**

Plan an imaginary summer trip with your family.

Prepare a detailed budget including: Travel expenses, Hotel stay, Food , Shopping etc.

Write all amounts in lakhs and represent each in:

- Indian Number System and American number System
- Expanded Form
- Number Names

3. Download and watch the movie "**The man who knew Infinity**". Write the 10 things that you liked the most. Write two ideas which inspired you to study Mathematics. (use A-4 size sheet).

4. Revise chapter -1 "LARGE NUMBERS AROUND US" and "CHAPTER 2- ARITHMETIC EXPRESSIONS"

5. Do the following worksheets in Holiday Homework Notebook.

Chapter 1: Large Numbers Around Us

1. 'X' is a 6-digit number formed using exactly three different digits. One of the digits appears once, another appears twice, and the third appears three times. When 2 lakhs are added to 'X', the resulting number 'Y' is still a 6-digit number. What is the highest possible value of 'Y'?

a) 977889

b) 999999

c) 999988

d) 999887

2. What is the product of all the numbers on a telephone dial-pad?

- a) 12345 b) 32451 c) 362880 d) None of these

3. Sam forms two different 6-digit numbers, X and Y, using digits from 0 to 9 (without repetition within a number). Exactly two digits are common between X and Y.

- The digit 9 appears in the same position in both numbers
- Y ends with 0, has only one even digit, and its digits are arranged in descending order
- 6 is present in X, and the number of even digits on its left is equal to the number of even digits on its right

If X is the largest possible number, what is the difference between X and Y?

- a) 9310 b) 9210 c) 8420 d) 8310

4. If each of the rows follows the same theme, what will come in place of “?”

$1 \text{ } \bullet \text{ } 8 \text{ } \bullet \text{ } 2 \text{ } \bullet > 1 \text{ } \bullet \text{ } \bullet \text{ } 8 \text{ } 2 \text{ } \bullet$

$\bullet \leq 7$

$\bullet \text{ } \bullet \text{ } 3 \text{ } 5 \text{ } \bullet \text{ } 7 < \bullet \text{ } 3 \text{ } 5 \text{ } \bullet \text{ } \bullet \text{ } 7$

$\bullet \leq 3$

$\bullet \text{ } 9 \text{ } 6 \text{ } \bullet \text{ } 3 \text{ } \bullet > \bullet \text{ } 9 \text{ } 6 \text{ } \bullet \text{ } \bullet \text{ } 3$

$\bullet \leq 2$

$\bullet \text{ } \bullet \text{ } 5 \text{ } 0 \text{ } 6 \text{ } \bullet < \bullet \text{ } 5 \text{ } \bullet \text{ } 6 \text{ } 0 \text{ } \bullet$

?

$\bullet \leq 6$

$\bullet \leq 4$

$\bullet \leq 5$

$\bullet \leq 9$

a)

b)

c)

d)

5. What will come in place of “?”

Crore - re	→	00000
Million - ion	→	000
Thousand - d	→	00
Billion - llion	→	0000
Lakh - kh	→	?

a) 0

b) 00

c) 000

d) 0000

6. Six number tokens are given. Rearrange them to form a 6-digit number such that:

- The difference between the first and last digits is as small as possible
- The hundreds digit is double the thousands digit
- No consecutive digits appear next to each other
- All given tokens must be used exactly once

How many different 6-digit numbers between 2 lakhs and 8 lakhs can be formed under these conditions?

1. Identify the odd one out from the following expressions, after INTERCHANGING their operators.

a) $204 + 3 \div 29$

b) $67 - 2 \times 37$

c) $48 \div 6 \times 3$

d) $195 \times 49 - 2$

2. There is a seminar from 11:00 AM to 2:00 PM, where students must spend AT LEAST 1 hour in the seminar. The table displays the number of students entering and exiting the seminar at different times. What is the MAXIMUM possible number of students who spent at least 2 hours in the seminar?

SR. NO	TIME	IN	OUT
1.	11:00 AM	120	
2.	12:00 PM	40	60
3.	1:00 PM	80	40
4.	2:00 PM		140

a) 60

b) 80

c) 100

d) 120

3. In the given expression, ' $8 @ 7 - 15 < 4 \times 2 \times 5$ ' which operator cannot be used in place of '@', such that the condition remains valid?

a) -

b) \div

c) +

d) \times

4. A bus has 40 seats, and some seats are already occupied, with one passenger in each seat.

- At the first stop, 5 passengers get off and 8 passengers get in
 - At the second stop, 2 passengers get off and 4 passengers get in
 - At the third stop, exactly half of the passengers get off
- After this, half of the bus seats are occupied.

Which of the following expressions represents the number of passengers on the bus at the beginning?

a) $5 \times 5 + 5$

b) $6 \times 6 - 4$

c) $5 \times 5 + 10$

d) $6 \times 6 - 5$

5. The following expression has a whole number 'n'. If a blank can either take ' $\times 4$ ' or ' -12 ', what is the least possible value of 'n'?

Expression: $(n \quad \quad) \quad = 96$

a) 9

b) 18

c) 4

d) 72

6. Which operators should be interchanged to get the minimum value of the given expression? $8 \times 4 + 2 - 1$

a) \times and +

b) + and -

c) - and \times

d) No change

7. In certain code, 1 is coded as 2, 3 is coded as 10, 5 is coded as 26. In the same way, 4 is coded as A and 6 is coded as

B.

If C is the sum of A and B, which of the following is correct regarding C?

- a) $C > 55$ b) $C < 50$ c) $C = 50$ d) $C < 55$

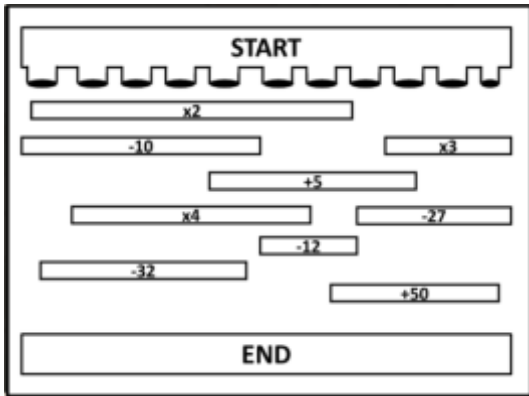
8. In the following expression, each ball with a mathematical operator is swapped with the ball immediately to its left, to form a new arithmetic expression. What will be the value



of NEW EXPRESSION - ORIGINAL EXPRESSION?

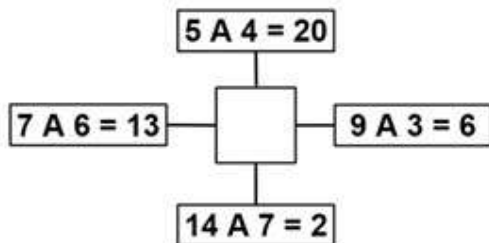
- a) 63 b) 73 c) - 63 d) - 73

9. A stone with an initial value of 10 is dropped through one of the holes at the START and moves in a straight path to reach the END. As it passes each numbered bar along the way, its value changes according to the operation shown on that bar. What is the maximum value the stone can have when it reaches the END?

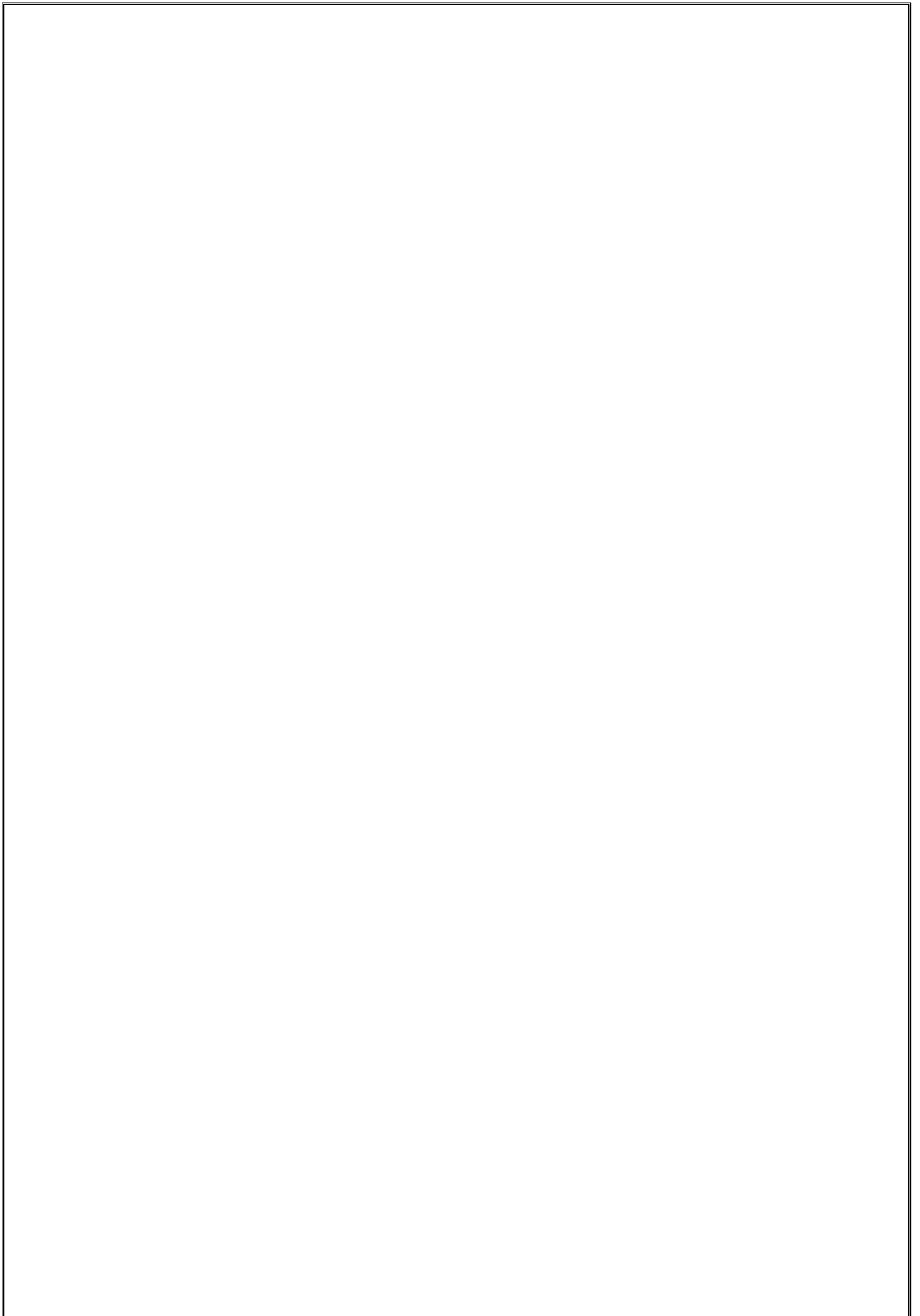


- a) 60 b) 88 c) 53 d) 68

10. Each arrow has a mathematical operator. When placed in the centre box, its operator replaces the letter A in the equation it points to. Which arrow satisfies an equation based on this rule?



- b) b) c) d)



SCIENCE

Overall Objectives

To reinforce concepts learned in class

To develop creativity and practical skills To relate science with daily life

To improve observation and presentation skills

PART A: PROJECT WORK

TOPIC: Simple electric circuit

Make a working model of a simple electric circuit using:

- Battery
- Bulb Switch
- Connecting Wires

Instructions:-

- Show how the circuit works (open and closed circuit).
- Label all parts clearly.

Lab Manual Work:

- Experiment 5: Aim: To demonstrate that some materials are conductors of heat while some are insulators.
- Experiment 10(a): Aim: To study the effect of an acid on natural and synthetic indicators like blue litmus paper, phenolphthalein, turmeric powder solution, china rose petal solution and methyl orange .Instructions:

Instructions:-

- Write Experiment 5 and Experiment 10(a) in your lab manual neatly and in proper format.
- Ensure that all observations, diagrams, and conclusions are completed carefully.

Notebook Work:

- Write about one famous scientific discovery in your school notebook along with a relevant picture. Learning Work:
- Read and revise chapter 1,2 and 3.

Social Science

Part 1: Geography Project

Project Objective- To help students understand the major landforms of India through a hands-on creative activity.

Materials Required

- **Base:** A3 size sheet.
- **Clay:** Different colors preferred (use neatly and in proper shape).
- **Stationery:** Pencil, eraser, sketch pens, or color pencils.
- **Adhesive:** Glue (if needed).

STEP TO FOLLOW :-

1. **Outline:** Draw a neat outline map of India on the A3 sheet using a pencil.
2. **Marking:** Lightly mark the following landforms: Himalayan Mountains, Northern Plains, Thar Desert, Deccan Plateau, Coastal Plains, and Islands.

3. **Clay Application:** Use different colors for each landform:
 - **Mountains:** Use raised clay.
 - **Plains:** Keep a flat clay layer.
 - **Plateaus:** Use a slightly raised clay layer.
4. **Securing:** Press the clay gently so it sticks properly to the sheet.
5. **Labeling:** Use sketch pens to label all landforms clearly and correctly.

Important Instructions :-

- Clay should be used neatly and in proper shape
- Do not use too much clay (avoid mess)
- Labels must be clear and correctly placed
- Maintain cleanliness and presentation

A reference video link will be shared to guide you in making the Clay map correctly.

Video Guide: <https://youtube.com/shorts/hEwbIAHJcik?feature=shared>

- ❖ Revise all chapters which you have taught in class .
- ❖ Do pages 27, 29, 31, and 75 in **Map Practice Book**

Part 2: Practice Worksheet

SECTION A – HISTORY

A. Very Short Answer Questions

1. What is meant by surplus production?
2. What are administrative cities?
3. Name any one famous ancient city.
4. What is a port city?

B. Short Answer Questions

1. What was the role of artisans in cities?
2. Why were port cities important?
3. Mention two features of early cities.

C. Long Answer Questions

1. Describe different types of cities and their importance.
2. Explain how new states and cities began to develop.

D. Fill in the Blanks

1. Surplus production means extra _____ produced.
2. People who make things by hand are called _____.
3. Cities near sea routes are called _____ cities.
4. Administrative cities were centres of _____.

SECTION B – GEOGRAPHY

A. HOTS (Higher Order Thinking Skills)

1. If the temperature suddenly drops in a region, what changes will you observe in daily life?
2. Why do people in different regions wear different types of clothes? Explain using weather conditions.

B. Assertion–Reason Questions

Instructions: Choose (A) Both A & R are true and R is correct, (B) Both true but R is not correct, (C) A is true, R is false, or (D) A is false, R is true.

1. **Assertion (A):** Humidity affects how hot or cold we feel. **Reason (R):** Humidity is the amount of water vapour in the air.
2. **Assertion (A):** Rainfall is important for life on Earth. **Reason (R):** Rainfall helps in agriculture and water supply.

C. Short Answer Questions

1. What are the elements of weather?
2. What is the difference between weather and climate?
3. What is air pressure?

D. Long Answer Questions

1. Explain the elements of weather in detail.
2. Describe how weather affects our daily life.

संस्कृत

प्रश्न 1 कोई एक अकारांत एवं एक आकारांत शब्द रूप अपनी उत्तर पुस्तिका में लिखें। (अपनी उत्तरपुस्तिका में)

प्रश्न 2 कोई 5 फल और 5 सब्जियों के चित्र बनाकर संस्कृत में नाम लिखिए। (A 4 साइज शीट पर)

प्रश्न 3 शरीर का चित्र चिपाकर अंगों के नाम संस्कृत में नाम लिखे ? (A4 साइज की शीटपर)

प्रश्न 4 चित्र को देखकर मंजूषा की सहायता से संस्कृत में पांच वाक्य बनाइए।(अपनी उत्तरपुस्तिका में)



गृहस्थ, आसन्दिकायाप्, घ्रायपानम्, पितामहः, समाचारपत्रम्, जनकः

प्रश्न 5 अभ्यास कार्य (उत्तरपुस्तिका में कीजिए)

- ① अर्थान् लिखत
(क) निर्धनाय
(ख)स्थूलम
(ग)आनन्देन
(घ) सहपाठिनः
(ङ) धावकाः

प्रश्न 6 संस्कृत में अनुवाद कीजिए -

- (क) तुम कब विद्यालय जाओगे।
(ख)अब हम सब घूमने जाएंगे।
(ग)कल विद्यालय में खेल दिवस था।
(घ)मुख्याध्यापक हवा ध्वजारोहण करेंगे।
(ङ)तुम सब छात्र बाहर खेलने जाओ।

प्रश्न7 'खाद'धातु के रूप लंग लकार में तीनों पुरुषों में अपनी उत्तरपुस्तिका में लिखे।

COMPUTER

1.Create a website using Google Sites on the topic "Introduction to Artificial Intelligence".
Instructions:

- Your website must have at least 1–2 pages. Add text, images, and headings properly.
- Keep your website simple, neat, and informative. Use your own content (avoid copy-paste)..
- Save and paste printout on your notebook.**

NOTE:(CREATE YOUR OWN GMAIL ID AND PASSWORD IF NOT CREATED)"

2. Create a PowerPoint presentation on the topic "Natural Language Processing (NLP)" using google slides.

Content Guidelines:

Your presentation should include the following:

1. Introduction to NLP* What is NLP?
Why is it important?
- "2. How NLP Works
Basic explanation (e.g., text processing, tokens, etc.)"
- "3. Applications of NLP
Examples like chatbots, translation, voice assistants"
- "4. Real-Life Examples
Tools or apps that use NLP (e.g., virtual assistants)"

5. Advantages and Limitations

6. Conclusion

► Presentation Requirements: Minimum 8–10 slides

Use simple language and clear points Include images/diagrams where possible Avoid copying directly from the internet

Make it creative and visually appealing

Submission Details:

- Submit the PPT after the holidays
- Be prepared to present it in class

Chapter 1: Design with Google Sites(Worksheet)

Section A: Knowledge Check

Q1. Answer the following questions in brief:

1. Define a Website?
2. What are Google Sites?
3. Identify the Purpose: Why is it important to Preview a website before clicking Publish?

Section B: True or False

Q2. State whether the following statements are True or False:

1. You need advanced coding skills (like HTML) to create a basic Google Site.
2. The Themes tab in Google Sites is used to customize the font and color scheme.
3. Once a website is published, you can never edit it again.
4. Hyperlinks can be used to connect your website to other pages or external sites.

Section C: The Creative Process

Q3. Rearrange the following steps in the correct order (1 to 5) to create and launch a website:

1. [] Add content like text, images, and videos.
2. [] Click the 'Publish' button to make the site live.
3. [] Go to sites.google.com and start a new Blank site.
4. [] Preview the site to check how it looks on mobile and desktop.
5. [] Use the 'Pages' menu to add a new link to a sub-page.

Section D: Application Skills

Scenario: You are building a website for a school Science Fair

1. Customization: Which tool in the sidebar would you use to change the background image of your header?
2. Navigation: Explain how you would add a "Contact Us"page to your main navigation bar.
3. Linking: If you wanted a button on your Home page to take a user to a Project Gallery page, what feature would you use?

Artificial Intelligence(Worksheet)

(A) Multiple Choice Questions.

1)Which AI technique predicts numerical values?

- (a) Classification b) Clustering
c) Regression d) Detection

- 2) Which AI domain works with images and videos?
 (a) NLP b) Data Science
 c) Computer Vision d) Science
- 3) Clustering is mainly used to:
 (a) Predict marks b) Group similar data
 c) Translate language d) Detect spam
- 4) In classification, the output is:
 (a) A continuous value b) A predefined category
 c) A random number d) A chart
- 5) In dataset division, which data is used for final evaluation?
 (a) Training b) Validation
 c) Test d) Raw data

(B) Fill in the Blanks.

- 1) Regression predicts _____ values.
 2) Clustering does not require _____ data.
 3) Computer Vision works mainly with _____ and videos.
 4) NLP helps machines understand _____.
 5) A dataset is divided into training, validation, and _____ sets.

(C) Short Answer Questions.

- 1) Differentiate between classification and regression.
 2) What is clustering? Give one example.
 3) Explain the importance of datasets in AI.
 4) List the steps involved in Computer Vision.
 5) How does NLP help in communication systems?

(D) True or False.

- 1) Regression predicts categories.
 2) Clustering is a supervised learning method.
 3) Test data is used to evaluate model performance.
 4) Computer Vision can detect object locations.
 5) NLP can analyse sentiment in text.

(E) Identify the AI Domain.

AI APPLICATION	IDENTIFY THE TERM
Analysing MRI scans	
Text summarization of long articles	
Recommending products based on past purchases	
Grouping customers by buying behaviour	
Chatbot answering customer queries	

FRENCH

Note:- Do this holiday homework in your french notebook only.

Q1. Écrivez quelques lignes sur votre routine quotidienne.

Q2. Décrivez votre endroit préféré où vous avez passé vos vacances.

Q3. Lisez une page de français chaque jour.

Q4. Apprenez à compter jusqu'à 100, Les jours de la semaine et Les mois de l'année.

Q5. Apprenez la conjugaison des verbes.

DRAWING

Dear Student, Your holiday homework is based on the concept of **“Best Out of Waste.”**

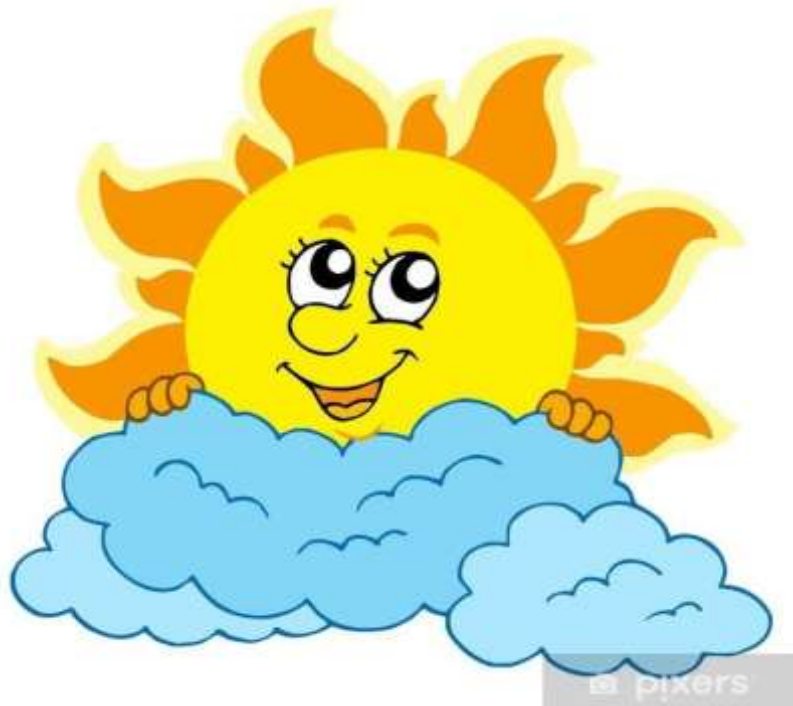
- ❖ You have to create a woven coaster using leftover wool or thread. You can easily find waste wool at home from your mother, grandmother, or any old knitting materials. You may also use thread or any similar material available to you. This activity will help improve your hand grip and creativity, and you will enjoy making something useful with your own hands. I will be sharing some examples to guide you on how to make it. Feel free to add your own ideas and designs—make it unique and creative!

<https://pin.it/7rN5Jo3zW>



- ❖ Make one painting or still life of your favorite medim on A3 size sheet like - pencil shading, colour pencil shading, oil pastel and water colours .

Be creative and enjoy the process ✨



Wishing all of you a very enjoyable and fun - packed summer break !!
Stay Safe , Stay Healthy

