



Share



HOLIDAY HOMEWORK

CLASS VI | SUBJECT: ENGLISH



1. Family Traditions

Write a descriptive essay of about 200 words on your family traditions. Also draw a family tree chart.



2. The Wonderful World of Spices

Make a chart of 8 spices. Write the name and properties of each spice.



Cinnamon

- Improves digestion
- Has anti-bacterial properties



Turmeric

- Boosts immunity
- Anti-inflammatory properties



Cloves

- Relieves toothache
- Rich in antioxidants



Cardamom

- Aids digestion
- Freshens breath



Pepper

- Improves digestion
- Increases metabolism



Cumin

- Aids digestion
- Good for heart health



Coriander

- Helps in digestion
- Has cooling properties



Fennel

- Improves digestion
- Reduces bloating



Complete your work neatly and creatively.



Class 6 Autumn Break Homework Tasks

SOCIAL SCIENCE(Art integrated)

- **Map Work (Political & Physical):**

- Mark Indian states and their capitals on an outline political map of India, along with neighboring countries.
- Mark major physical features such as the Himalayan mountain range, Vindhya, Satpura Range, and major water bodies like the Arabian Sea, Bay of Bengal, and Indian Ocean.
- Locate continents and oceans on a world map model or outline world map.
- Make a list of five democratic and non-democratic countries.

Learn and write down important civic/historical texts like the **Preamble** of the Indian Constitution.

*make a list of diverse communities residing in any city that you are familiar with. How many were you able to list? What else do you observe in the list?

Make a list of characteristics of a good urban local body.

What are the similarities and differences between the Panchayati Raj system in rural areas and the urban local bodies? Noodle

Class 6 • Science Homework

10-Day Autumn Vacation Experiential Learning Module

Academic Year: 2026–27

Duration: 10 Days

STUDENT NAME

CLASS & SECTION

ROLL NUMBER

Class 6 -

PART I: FOOD, NUTRITION & COMPONENTS OF FOOD

DAYS 1 – 4

Day 1 & 2: Food Habit & Nutrients Investigation

Task 1: Track and record all food items consumed by your family during breakfast, lunch, and dinner over two consecutive days. Categorize each item based on its primary nutrient group.

Meal	Food Item Consumed	Major Nutrient (Carbohydrate / Protein / Fat / Vitamin)
Breakfast	e.g., Milk, Paratha	Calcium & Protein (Milk), Carbohydrate (Paratha)
Lunch		
Dinner		

Task 2: Answer: Why are dietary fibers (roughage) essential for our digestive system even though they provide no nutrients?

Day 3: Laboratory At Home – Iodine & Starch Test

Experiment Goal: Test for the presence of starch in various raw food samples available at home (e.g., raw potato slice, boiled rice, slice of apple, powdered pulse).

- Take small samples of 3 food items on a clean plate.
- If iodine solution is available at home, add 2 drops. (Alternatively, write a short procedure describing how you test for starch using Iodine solution and what color change indicates starch presence).
- **Observation:** What happens to starch when iodine is added? Record your inference.

Day 4: Deficiency Diseases & Balanced Diet Chart

Design a colorful 1-day **Balanced Diet Plan** suitable for a 11-year-old active student. List foods rich in Vitamin A, Vitamin C, Calcium, and Iron to prevent common deficiency diseases like Scurvy, Rickets, and Anemia.

Day 5: Material Classification & Properties Activity

Collect 5 small object samples around your house (e.g., steel spoon, wooden pencil, plastic eraser, glass tumbler, paper sheet). Evaluate them on the following physical properties:

Object Name	Material Type	Lustrous (Yes/No)	Soluble in Water (Yes/No)	Transparency (Opaque/ Translucent/ Transparent)
Steel Spoon	Metal	Yes	No	Opaque
Glass Tumbler	Glass	Yes	No	Transparent
Pencil	Wood	No	No	Opaque

Day 6: Hands-On Methods of Separation

Perform a simple separation experiment in your kitchen under adult supervision:

Activity: Mix 2 tablespoons of tea leaves and sugar in water. Filter the mixture using a strainer, then observe sedimentation and decantation with a muddy water sample.

Scientific Analysis Questions:

1. Which method separates insoluble solids from liquids? (Handpicking / Filtration / Sieving)
2. How is salt obtained from seawater in coastal areas? Name the process.

Day 7: Reversible & Irreversible Changes Investigation

Identify 4 changes occurring around you daily during the autumn season. Classify them into **Reversible** (can be undone) or **Irreversible** (cannot be undone) changes:

- Melting of wax or ice cream
- Burning of autumn dry leaves
- Baking a cake or chapatis
- Dissolving sugar in water

Question: Is the ripening of fruits a reversible or irreversible change? Explain in 2 sentences.

Day 8: Plant Anatomy & Leaf Impression Activity

Herbarium Leaf Impression Task: Collect 2 different fallen leaves from your garden or nearby park. Place them under a paper and rub a crayon over them to make leaf impressions.

- Identify the leaf venation type (**Reticulate** vs **Parallel** venation).
- Correlate venation with root types: What type of root system (Taproot or Fibrous) belongs to a plant with reticulate leaf venation?

Day 9: Habitat & Adaptation Study

Study any two contrasting natural habitats: **Desert (Xeric)** vs **Aquatic (Freshwater)**.

Write down 2 adaptive features of each organism that enable them to survive in their surroundings:

1. Camel (Desert):

- Long legs protect from ground heat.
- Excretes small amount of urine.

2. Fish (Aquatic):

- Streamlined body for easy movement.
- Gills for extracting dissolved oxygen.

Day 10: Mini Science Project – "Waste to Best" Eco-Model

Creative Assignment: Prepare a working or static mini model or chart on any ONE of the following topics using recycled household cardboard/plastic:

- **Option A:** Model of a Plant Flower showing Stamen and Pistil parts.
- **Option B:** Water Cycle diagram showing Evaporation, Condensation, and Precipitation.
- **Option C:** Pin-hole Camera crafted from two nesting cardboard boxes.

Submission Guidelines & Evaluation Criteria:

1. Complete all observations and answers neatly in a thin A4 project file or Science homework notebook.
2. Attach leaf impressions and material samples wherever indicated.
3. The homework carries **10 Internal Assessment Marks** based on accuracy, neatness, and timely submission on the school reopening day.

AUTUMN BREAK HOMEWORK

Class : VI

Subject: Computer Education

Topic: Artificial Intelligence

A. Understanding AI :

1. Define Artificial Intelligence and explain how it differs from a traditional computer program.
2. Write five examples of AI used in everyday life and explain any three.
3. What is a chatbot ? How can it help students learn?
4. Explain the difference between human intelligence and artificial intelligence.
5. What is data, and why is it important for AI systems?

B. Think and Apply :

1. A voice assistant does not understand a student's command. Suggest three possible reasons.
2. Can every smart device be called an AI device? Explain your answer with examples.
3. Why should students avoid sharing private information with AI tools?

C. Activities :

1. Draw an AI mind map showing at least six applications of AI.
2. Make a table showing three benefits, three limitations and three responsible-use rules for AI.

KENDRIYA VIDYALAYA GUMLA

AUTUMN BREAK HOLIDAY HOMEWORK (MATHEMATICS - CLASS VI)

Class: VI

Subject: Mathematics (NCERT)

Duration: 10 Days

Syllabus: Knowing Our Numbers to Fractions

Day 1: Chapter 1 – Knowing Our Numbers

Place Value & Estimation

- Review Indian and International systems of numeration with 5 practice numbers.
- Write 5 large numbers in expanded form and compare them using $<$, $>$, $=$.
- Estimate 5 sums and products to the nearest tens, hundreds, and thousands.

Day 2: Chapter 2 – Whole Numbers

Number Line & Properties

- Define predecessor and successor for 5 given 4-digit numbers.
- Represent whole number addition ($3 + 4$) and multiplication on the number line.
- Simplify 4 arithmetic expressions using distributive properties of whole numbers.

Day 3: Chapter 3 – Playing with Numbers

Factors, Multiples & Divisibility

- List all factors and first 5 multiples for numbers 24, 36, and 45.
- Find HCF and LCM of 18, 24, and 30 using prime factorisation method.
- Test divisibility of numbers by 2, 3, 4, 5, 6, 9, 10, and 11 with 5 examples each.

Day 4: Chapter 4 – Basic Geometrical Ideas

Points, Lines & Curves

- Define points, line segments, rays, lines, intersecting lines, and parallel lines with neat sketches.
- Draw a triangle and a quadrilateral, and label their vertices, sides, and angles.
- Draw a circle of radius 4 cm and label its center, radius, diameter, chord, and sector.

Day 5: Chapter 5 – Understanding Elementary Shapes

Angles & Polygons

- Measure 5 different angles using a protractor and classify them as acute, obtuse, right, or straight.
- Identify types of triangles based on sides (scalene, isosceles, equilateral) and angles (acute-angled, right-angled).
- Count the number of faces, edges, and vertices of a cube, cuboid, and cylinder.

Day 6: Chapter 6 – Integers

Positive & Negative Numbers

- Represent real-life situations (profit/loss, above/below sea level) using positive and negative integers.
- Plot integers from -5 to $+5$ on a number line.
- Solve 6 addition and subtraction problems of integers without number line.

Day 7: Chapter 7 – Fractions

Proper, Improper & Equivalent

- Represent proper and improper fractions graphically using shaded geometric figures.
- Convert 4 mixed fractions into improper fractions and vice versa.
- Solve 5 problems on addition and subtraction of like and unlike fractions.

Day 8: Chapter 8 – Decimals

Place Value & Conversions

- Write place value table for decimals like 32.54 and 105.07.
- Convert paise to rupees, grams to kilograms, and centimeters to meters using decimals (5 examples each).
- Solve 4 addition and subtraction problems involving decimal numbers.

Day 9: Maths Project & Formula Booklet

Creative Assignment

- **Formula/Key Terms Booklet:** Prepare a colorful 3-page pocket booklet illustrating geometric shapes, fraction types, and number rules.
- **Project Task (Select Any One):**
 - (a) Collect ages of 10 family members or friends, record them in a frequency table, and draw a bar graph.
 - (b) Create a 2-page collage/report on **Geometric Patterns in Nature** (honeycombs, leaves, petals).

Day 10: Self-Assessment Mock Test & Doubt Log

Practice & Review

- Attempt a self-administered 20-mark practice test covering Chapters 1 to 8.
- Maintain a dedicated **"Doubt Log"** listing questions or concepts to clarify with your teacher when school reopens.

General Guidelines & Submission Instructions

- **Notebook:** Complete all homework neatly in a separate thin homework notebook or punched A4 portfolio sheets inside a folder.
- **Geometry:** Use a sharp pencil, scale, and compass for drawing lines, angles, circles, and polygons.
- **Step Marking:** Write steps clearly for every calculation and problem.
- **Deadline:** Submission on the first working day after the Autumn Break.

शरदावकषा गृहकार्य - २०२६-२७
कक्षा - ७A विषय - संस्कृत

1. पाठ - सः रुक्महान् चित्रकारः
पुष्प-संख्या - ३, ५, और ८
2. व्याकरण (शब्दरूप - उक्तान् पुल्लिङ्ग साधु और तटकमान् पुल्लिङ्ग पितृ (पिता) शब्द।
(1) धातुरूप - पठ् (पठ्ना) पा (पीना) और लिख् (लिख्ना)
धातुओं का रूप लट् लकार और लृट् लकार में लिखिए।
3. परियोजना कार्य - कक्षायां विद्यमानां 10 वस्तुनामानि वर्णान् च अभिजानन्तु लिखन्तु च।
(कक्षा में स्थित 10 वस्तुओं के नामों को रंगों को जानिए और लिखिए)

शरदकालीन अवकाश गृहकार्य 2026

विषय- हिन्दी

कक्षा - 6

1.सूरदास द्वारा रचित 'मैया मैं नहिं माखन खायो' पद का भावार्थ अपने शब्दों में लिखें।

2.किन्हीं दो विषयों पर लेख (अनुच्छेद) लिखें -

(क) मेरा प्रिय त्योहार

(ख) स्वच्छता का महत्व

(ग) मेरा विद्यालय

3.अपनी रुचि के अनुसार सुनी या पढ़ी हुई किसी एक कहानी को लिखें। कहानी से संबंधित चित्र बनाएँ तथा उससे मिलने वाली सीख भी लिखें।

4.सुंदर एवं स्पष्ट लिखावट में प्रतिदिन एक पृष्ठ सुलेख लिखें।

5.'पेड़-पौधों के महत्व' विषय पर बहुविषयी परियोजना कार्य पूर्ण करें जिसमें पाँच औषधीय पौधों के नाम एवं उनके उपयोग तथा उनके संरक्षण के उपायों को बिंदुवार लिखें और संबंधित चित्र बनाएँ। (MDP)

KENDRIYA VIDYALAYA GUMLA
AUTUMN BREAK HOLIDAY HOMEWORK

Academic Session: 2026–27

Class: VII Subject: Mathematics

Textbook: Ganita Prakash (Part I)

Chapters 4 and 5 Total Questions: 50

General Instructions

1. Attempt all 50 questions in your mathematics notebook.
2. Show necessary calculations and reasoning.
3. Draw neat, labelled diagrams wherever required.
4. Use a ruler and protractor for geometry questions wherever needed.

Chapter 4: Expressions Using Letter-Numbers

Questions 1–25

Total: 25 Questions

A. Easy Level (Questions 1–5)

1. Write an algebraic expression for 8 more than a number x .
2. Write an expression for 5 times a number y .
3. Simplify: $3x + 5x$.
4. Write an algebraic expression for the perimeter of a square whose side is a units.
5. Find the value of $2x + 7$ when $x = 4$.

B. Moderate Level (Questions 6–13)

6. Simplify: $7a + 3a - 4a$.
7. Simplify: $5x + 3 + 2x + 8$.
8. Find the value of $4p - 3q$ when $p = 5$ and $q = 2$.
9. Write an expression for the cost of n notebooks if each notebook costs Rs. 18.
10. Simplify: $6m + 4n - 2m + 3n$.
11. A number x is multiplied by 6 and then 11 is subtracted. Write the expression and find its value for $x = 3$.
12. The length of a rectangle is $(x + 4)$ cm and its breadth is x cm. Write an expression for its perimeter.
13. Simplify: $3(a + 2) + 2a$.

C. Difficult Level (Questions 14–20)

14. Simplify: $4x + 3y - 2x + 5y - 7$.
15. Find the value of $3a + 2b - 4$ when $a = 6$ and $b = 5$.
16. A number is represented by x . Write expressions for its successor, predecessor and twice the number.

- 17.** The length of a rectangle is $(2x + 3)$ cm and its breadth is $(x + 1)$ cm. Find its perimeter in terms of x .
- 18.** Simplify: $2(3x + 4) + 3(x - 2)$.
- 19.** A student says that $4x + 3x + 2 = 7x + 2x$. Is the statement correct? Explain your answer.
- 20.** The sum of three consecutive whole numbers is represented by $x + (x + 1) + (x + 2)$. Simplify the expression.

D. Competency-Based Questions (Questions 21–25)

- 21.** A school buys x pencils at Rs. 5 each and y pens at Rs. 12 each. Write an expression for the total cost. Find the cost when $x = 8$ and $y = 4$.
- 22.** Riya has n stickers. Aman has 7 more stickers than Riya. Write an expression for the total number of stickers they have. Find the total when $n = 15$.
- 23.** A rectangular garden has length $(x + 5)$ m and breadth $(x - 2)$ m. Write an expression for its perimeter. Find the perimeter when $x = 10$.
- 24.** A student simplifies $5a + 2b + 3a - b$ as $8a + b$. Verify the answer and explain why only like terms can be combined.
- 25.** A taxi charges a fixed amount of Rs. 40 and Rs. 12 per kilometre. Write an expression for the fare for travelling x kilometres. Find the fare for 15 km.

Chapter 5: Parallel and Intersecting Lines

Questions 26–50**Total: 25 Questions**

A. Easy Level (Questions 26–30)

26. What are parallel lines? Give one example from everyday life.
27. What are intersecting lines? Draw a pair of intersecting lines.
28. What is the measure of an angle formed by two perpendicular lines?
29. Two angles form a linear pair. One angle is 65° . Find the other angle.
30. Two lines intersect. If one angle is 110° , find its vertically opposite angle.

B. Moderate Level (Questions 31–38)

31. Two lines intersect and one of the angles is 48° . Find the other three angles.
32. An angle is 35° . Find its supplementary angle.
33. Two adjacent angles form a straight angle. Their measures are $(3x + 10)^\circ$ and $(2x + 20)^\circ$. Find x and both angles.
34. Two parallel lines are cut by a transversal. If one corresponding angle is 72° , find the other corresponding angle. State the property used.
35. Two parallel lines are cut by a transversal. One alternate interior angle is 115° . Find the other alternate interior angle.
36. Two lines intersect. One angle is twice its adjacent angle. Find all four angles.
37. A transversal cuts two parallel lines. One interior angle is 68° . Find the interior angle on the same side of the transversal.
38. Explain the difference between corresponding angles and alternate interior angles when a transversal cuts two lines.

C. Difficult Level (Questions 39–45)

39. Two angles forming a linear pair are $(4x + 5)^\circ$ and $(2x + 13)^\circ$. Find x and the two angles.
40. Two parallel lines are cut by a transversal. A pair of corresponding angles are $(3x + 15)^\circ$ and $(5x - 25)^\circ$. Find x and the angle measure.
41. Two parallel lines are cut by a transversal. One interior angle is $(2x + 20)^\circ$ and the interior angle on the same side is $(4x + 10)^\circ$. Find x and both angles.
42. Two lines intersect. One angle is $(5x - 10)^\circ$ and its vertically opposite angle is $(3x + 30)^\circ$. Find x and the angle measure.
43. Can two distinct parallel lines intersect? Explain your answer using the definition of parallel lines.
44. A transversal cuts two lines. A pair of alternate interior angles are equal. What can you conclude about the two lines? State the converse property.
45. A student says that vertically opposite angles are supplementary in every case. Is the statement correct? Explain with an example or counterexample.

D. Competency-Based Questions (Questions 46–50)

46. Two railway tracks are represented by parallel lines. A road crosses both tracks. If one corresponding

angle is 125° , find the other corresponding angle and explain why the angles are equal.

47. A carpenter joins two straight pieces of wood so that they form a linear pair. One angle is $4x^\circ$ and the other is $(2x + 30)^\circ$. Find x and both angles.

48. Two parallel streets are crossed by a straight road. An interior angle on one side of the road is 72° . Find the interior angle on the same side and explain the relationship.

49. At a road crossing, two straight roads intersect. One angle is $(3x + 15)^\circ$ and its adjacent angle is $(5x - 11)^\circ$. Find x and all four angles.

50. A student observes that a transversal makes equal alternate interior angles with two lines. The student concludes that the lines are parallel. Is the conclusion valid? Explain the mathematical property involved.

Best Wishes!

Subject Teacher

Sumit

PGT Mathematics

Kendriya Vidyalaya Gumla

KENDRIYA VIDYALAYA GUMLA AUTUMN BREAK HOLIDAY HOMEWORK

CLASS VII (2026-27)

Write the following question answer in your homework copy-

Complete learner's diary MDP and SE

Write the answers of Half yearly questions answers.

* Write these question answers in your HW Copy.

1. Write some characteristics of The Himalayas?
2. What are the main features of the cold desert Ladakh?
3. Write the main rivers of India?
4. Why Ganga plain is so fertile?
5. Why is India called a subcontinent?
6. Name any two important physical features of India.
7. What is the importance of the Himalayas to India?
8. What is a peninsula?
9. Write any three differences between the Western and Eastern Ghats.
10. Mention three uses of rivers in India.

ART INTEGRATED PROJECT and MAP WORK

Topic of SE-

- Prepare in stick file-
- Collect the pictures of INDIA'S HISTORICAL MONUMENTS.
- Locate and label of India on the outline map of India Page no. 105, 100, 92, 99.

AUTUMN BREAK HOLIDAY HOMEWORK

Subject: English | Class: VII

SECTION A: READING SKILLS

Q1. Unseen Passage

Read the passage carefully and answer the questions that follow.

The Importance of Trees

Trees are among the most valuable gifts of nature. They provide us with oxygen, fruits, flowers, wood and shade. They also offer shelter to birds and animals. Trees absorb carbon dioxide and help maintain the balance of gases in the atmosphere. Their roots hold the soil together and prevent soil erosion. Forests also help bring rainfall and maintain the water cycle.

Unfortunately, people cut down trees to construct buildings, roads and factories. This destruction of forests has resulted in rising temperatures, loss of wildlife and environmental imbalance. We must understand that planting trees is not enough; protecting existing trees is equally important. Every student can contribute by planting saplings, saving paper and spreading awareness about environmental protection.

Answer the following questions.

1. Mention any two benefits of trees.
 2. How do trees help prevent soil erosion?
 3. What are the consequences of deforestation?
 4. Why is protecting existing trees important?
 5. Find a word from the passage that means *young trees*.
 6. Suggest a suitable title for the passage.
-

□ SECTION B: WRITING SKILLS

Q2. Paragraph Writing

Write paragraph on any one in 100–120 words on the following topics:

- a) The Importance of Discipline in Student Life
- b) My Favourite Festival
- c) Save Nature, Save the Future
- d) The Importance of Reading Books

Q3. Diary Entry

Imagine that you spent a wonderful day helping an elderly person in your neighbourhood. Write a diary entry in 80–100 words describing your experience and feelings.

Q4. Informal Letter

Write a letter to your friend describing how you plan to spend your autumn break.

Q5. Story Writing

Complete the following story in 100–120 words and give it a suitable title.

The Lost Schoolbag

One morning, while going to school, Rohan noticed a schoolbag lying beside the road. He picked it up and found that it contained some books, notebooks and an identity card. He decided to find its owner...

SECTION C: GRAMMAR

Q6. Tenses

Fill in the blanks with the correct form of the verbs given in brackets.

1. She _____ to school every day. (go)
2. They _____ cricket when it started raining. (play)
3. I _____ my homework already. (complete)
4. We _____ our grandparents next Sunday. (visit)
5. The baby _____ peacefully now. (sleep)
6. He _____ the letter yesterday. (write)
7. The sun _____ in the east. (rise)
8. I _____ English for two hours. (study)

Q7. Adjectives

Underline the adjectives in the following sentences.

1. The little girl has a beautiful doll.
2. Rahul is an intelligent student.
3. We saw several birds in the garden.
4. This is a delicious cake.
5. The old man walked slowly along the narrow road.

Q8. Prepositions

Fill in the blanks with suitable prepositions.

1. The book is _____ the table.
2. The cat is hiding _____ the bed.
3. We go to school _____ Monday.
4. The train arrived _____ time.
5. The children are playing _____ the park.
6. She has been absent _____ Monday.

Q9. Conjunctions

Fill in the blanks with **and**, **but**, **because**, **or**, **although**.

1. Riya _____ Priya are best friends.
2. He was tired, _____ he continued working.
3. Hurry up, _____ you will miss the bus.
4. I stayed at home _____ it was raining.
5. _____ she was ill, she attended the meeting.

Q10. Sentence Transformation

Rewrite the following sentences as directed.

1. He is too weak to walk. (*Rewrite using "so...that".*)
2. The boy is honest. (*Change into a negative sentence without changing the meaning.*)
3. What a beautiful painting it is! (*Change into an assertive sentence.*)
4. Riya is taller than Siya. (*Change into the positive degree.*)
5. Open the door. (*Change into a polite request.*)

SECTION D: LITERATURE

Q11. Vocabulary Building

Prepare a vocabulary list of **20 difficult words** from your English textbook.

Write the following for each word:

- Word
 - Meaning
 - Synonym
 - Antonym
 - One sentence using the word
-

SECTION E: CREATIVE & ART-INTEGRATED ACTIVITIES

Q12. Choose ANY ONE activity.

Activity 1: Save Nature Poster Create a colourful poster on the theme “**Save Trees, Save Earth**” with an attractive slogan.

Activity 2: Book Review Read a storybook of your choice and write a short book review mentioning:

- Name of the book
- Name of the author
- Main characters
- Brief summary
- What you learnt from the book

Activity 3: Picture Composition Draw a picture of a beautiful garden, a village scene or a rainy day. Write a paragraph of 80–100 words describing your picture.

Activity 4: My Mini Dictionary Prepare a mini dictionary of 15 new English words with their meanings and illustrations.

HAPPY AUTUMN BREAK!

Enjoy your holidays, explore your creativity and keep learning!

कक्षा सातवीं के लिए शरदावकाश हेतु गृहकार्य 2026-27

1. अपने शरीर के दस अंगों के नामों के तीन-तीन पर्यायवाची शब्द लिखने हैं; यथा-आँख-नेत्र,लोचन .चक्षु आदि ।
2. अपने शरीर के अंगों से जुड़े पांच मुहावरों को वाक्य में प्रयोग करके लिखने हैं ; यथा-आँखों का तारा होना -बहुत प्यारा होना (राम अपने माता-पिता की आँखों का तारा है)
3. अपनी हिंदी की पाठ्य-पुस्तक में से कोई बीस शब्द छांटकर उनके विलोम /विपरीतार्थक शब्द लिखने हैं; यथा -हँसना-रोना /सुख-दुःख आदि ।
4. 'जल'विषय पर बहुविषयक परियोजना कार्य तैयार कीजिए।
5. 'गिरिधर की कुंडलिया' कविता को सभी बच्चे कंठस्थ अर्थात् याद करना है ।

विषय शिक्षक

जितेन्द्र कुमार प्रशिक्षित स्नातक शिक्षक हिंदी

AUTUMN BREAK HOMEWORK

Class : VII

Subject: Computer Education

Topic: Artificial Intelligence

A. Conceptual Questions :

1. What is Machine Learning? Explain it with a simple real-life example.
2. How does data help an AI system identify patterns?
3. Differentiate between rule-based programs and machine-learning systems.
4. Explain the uses of AI in education, healthcare, agriculture and transportation.

B. Case Studies and Reasoning :

1. A student uses AI to write an entire assignment and submits it as their own work. What problems can arise from this practice?
2. An AI system recommends videos based on a user's previous choices. How might this be useful, and what could be a disadvantage?
3. Why might an AI system give unfair or incorrect results?

C. Activities :

1. Create a chart titled “AI: Opportunities, Risks and Responsibilities”, with at least four points under each heading.
2. Choose one AI application and write a short report explaining how it works, its benefits and its limitations.

Class 7 • Science Homework

10-Day Autumn Break Experiential Learning Module

Academic Year: 2026–27
Duration: 10 Days

STUDENT NAME	CLASS & SECTION	ROLL NUMBER
.....	Class 7 -	

PART I: ACIDS, BASES & CHEMICAL CHANGES

DAYS 1 – 4

Day 1 & 2: Kitchen Chemistry – Natural Indicators Experiment
Goal: Prepare a natural indicator paper using turmeric or red rose petals and test household liquids.
Procedure: Mix 1 tsp turmeric with water/alcohol to make a paste. Apply on white filter or drawing paper and let it dry. Cut into strips. Drop a few drops of each liquid on the turmeric strip and record the color change.

Household Sample	Color on Turmeric Paper	Nature (Acidic / Basic / Neutral)
Lemon Juice	Yellow (No change)	Acidic
Soap Solution	Reddish Brown	Basic
Baking Soda Solution		
Tap Water		

Day 3: Neutralization Reactions in Daily Life
Answer the following conceptual questions based on your study of acids and bases:

- Antacid Action:** Why does a doctor prescribe an antacid tablet (containing Milk of Magnesia) when you suffer from acidity? Write the word equation for neutralization.
- Soil Treatment:** Why is quicklime (Calcium Oxide) added to agricultural soil when it becomes excessively acidic?

Day 4: Physical vs. Chemical Changes Investigation
Observe 4 daily occurrences at home during the autumn holidays and classify them with proper scientific reasoning:

- Dissolving sugar in warm water
- Rusting of an iron nail kept in moist outdoor air
- Souring of milk left outside overnight
- Melting of candle wax vs. burning of candle wick

Day 5: Heat Transfer Mechanisms – Conduction & Convection

Observation & Analysis Activity: Observe heating processes in your kitchen and answer the following:

Process	Heat Transfer Mode (Conduction / Convection / Radiation)	Reason / Explanation
Cooking pan handle getting hot	Conduction	Direct heat transfer through solid metal without mass movement.
Boiling water circulating in pot	Convection	Warm liquid rises, cool liquid sinks forming currents.
Heat felt standing near stove	Radiation	Heat transfer via electromagnetic waves without a medium.

Day 6: Measurement of Time & Simple Pendulum

Construct a simple pendulum at home using a string (length 80 cm) and a small metal washer, key, or marble (bob).

- Displace the bob slightly and release it to swing freely.
- Use a phone stopwatch to measure time taken for **20 complete oscillations**.
- Calculate the **Time Period** ($T = \text{Total Time} / 20$). Repeat twice and find the average time period.

Thought Question:

Does changing the weight of the bob change the time period of the pendulum? Write your conclusion based on your experiment.

Day 7: Electrical Circuits & Heating Effects

Circuit Diagram Task: Draw standard circuit symbols for the following electrical components in your notebook:

- Electric Cell & Battery of two cells
- Switch in ON and OFF positions
- Electric Bulb & Connecting Wire

Application Question: Why is an electric fuse wire made of a material with a low melting point? How does an MCB protect household appliances?

Day 8: Light, Reflection & Mirror Images

Observation Task: Stand in front of a flat plane mirror and observe your image. Record your answers:

- **Lateral Inversion:** Raise your right hand. Which hand appears raised in the mirror image?
- **Image Characteristics:** Is the image real or virtual? Is it upright (erect) or inverted?
- **Spherical Mirrors:** Look at both sides of a clean stainless steel spoon. Describe how your image changes on the inner (concave) side vs outer (convex) side.

Day 9: Life Processes in Plants – Stomata & Transpiration

Vegetative Propagation & Transpiration Study:

Activity A: Vegetative Propagation

Plant a money plant stem or potato eye in a small pot/cup.
Water daily and record root/shoot growth over the break.

Activity B: Transpiration Proof

Cover a leafy plant branch with a clear plastic bag in sunlight for 2 hours. Observe water droplets inside the bag.

Day 10: Creative Working Model / Working Chart Project

Project Choice: Choose and prepare ONE of the following interactive models or working charts for your science exhibition submission:

- **Option A: Newton's Seven-Color Disc:** Demonstrate that white light consists of seven rainbow colors.
- **Option B: Simple Electromagnet:** Wind insulated copper wire around a large iron nail and connect to a 1.5V cell to pick up paper clips.
- **Option C: Model of Human Urinary / Circulatory System:** Create a labeled model using tubing and cardboard.

Submission Guidelines & Evaluation Criteria:

1. All experimental observations, tables, and answers must be neatly recorded in an A4 project file or Science practical notebook.
2. Attach photographs or sketches of your home experiments (turmeric indicator, pendulum, plant growth).
3. This holiday homework carries **10 Marks** under CBSE/NCERT Internal Assessment (Subject Enrichment Activities).

श्रीरदावकाश गृह कार्य - 2026-27
कक्षा - VII विषय - संस्कृत

1. पाठ का नाम - ईशावास्यम् इदं सर्वम्
पृष्ठ संख्या - 3, 4, 5, 6, 7 और 8
2. व्याकरण भाग से -
(क) शब्दरूप - 'आ'कारान्त माला शब्द
(ख) 'इ'कारान्त पुल्लिङ्ग मतिः स्त्रीलिङ्ग शब्द
3. धातु रूप - असु (होना) लट् लकार, लोट् लकार और
लङ् लकार के (तृतीय वचनो एवं तृतीय पुरुषों में)।
4. परिचय योजना कार्य
माता-पित्तोः साहाय्येन मानवानां षोडश-संस्काराणां नामानि
लिखन्तु। (माता-पिता की सहायता से मनुष्यों की 16
संस्कारों के नाम लिखिए)।

AUTUMN BREAK HOMEWORK

Class : VIII

Subject: Computer Education

Topic: Artificial Intelligence

A. Conceptual Questions :

1. Define Artificial Intelligence and explain its major applications in modern society.
2. Differentiate between AI, Machine Learning and Deep Learning in simple words.
3. Explain how data is used to train a machine-learning model.
4. What is the difference between training data and testing data?
5. What are AI bias and data privacy? Explain each with an example.

B. Case Studies and Critical Thinking :

1. An AI tool gives different answers to the same question. Suggest possible reasons and explain how you would identify a reliable answer.
2. An AI system trained on incomplete data gives unfair results. Why might this happen, and how could it be improved?
3. Can AI-generated information always be trusted? Explain your answer with suitable examples.

C. Project Work :

1. Prepare a one-page poster on “The Future of AI: Benefits, Risks and Solutions.”
2. Write a report of 150–200 words on “How Artificial Intelligence Can Improve Education.” Include benefits, limitations and responsible-use guidelines.

AUTUMN BREAK HOLIDAY HOMEWORK

Class: VIII • Subject: Science • Session: 2026–27

Class & Section: VIII ____

Student Name: _____

Roll No: ____

Subject: Science

PART A: MULTIDISCIPLINARY PROJECT (MDP)

Topic: "Save Environment"

Make a Multidisciplinary Project (MDP) file on the topic "Save Environment".

PART B: CHAPTER 7 – THE PARTICULATE NATURE OF MATTER

1. Match the following:

Column A	Column B
(a) Solid	(i) Spreading of smell in air
(b) Liquid	(ii) Definite shape and fixed volume
(c) Gas	(iii) Fixed volume but no fixed shape
(d) Diffusion	(iv) Highly compressible

2. Give Reason:

- (a) Why does the smell of hot food reach you meters away, while you have to go close to smell cold food?
- (b) Why is a wooden table considered a solid?

3. Fill in the blanks:

- (a) The process of intermixing of particles on their own is called _____.
- (b) Matter is composed of tiny _____ which are in continuous motion.
- (c) The force of attraction between particles is strongest in _____.

4. State True or False:

- (a) Liquids can be compressed easily compared to gases. ()
- (b) The kinetic energy of particles increases upon heating. ()
- (c) Solids have large spaces between their particles. ()

5. Short Answer:

- (a) What happens to the rate of diffusion when the temperature of a substance increases?
- (b) Which state of matter has maximum kinetic energy?

6. Diagram Activity: In your notebook, draw neat and labeled diagrams showing the arrangement of particles in:

- (a) Solid (b) Liquid (c) Gas

Note: Complete all work neatly in your Science notebook. The homework and MDP file will be evaluated on the **first working day** after school reopens.

Autumn Break Assignment-2026

Subject - English

Class-VIII

1. Complete the MDP on 'Save Environment' -A page paragraph on importance of environment, compose a poem and write about how to conserve environment.
 2. Write a notice as your school is going to close on account of durga puja. Give all the necessary details required. Sign in as Sonam / Sunil.
 3. You are Renu living at 57, Patel Nagar, Delhi. The unsanitary conditions in your colony are causing diseases for the residents. Write a complaint letter to the Municipal Commissioner to take necessary actions regarding the same.(100-120 words)
 4. Write a paragraph on celebrating Pollution free Diwali in your locality in about 100 words.
 5. Complete the following:-
 - i. Sonu sings a song. (Change into passive voice)
 - ii. They built a new building in the town. (Change into passive voice)
 - iii. I am reading my NCERT book. (change into Simple Past Tense)
 - iv. Aditi _____ (have/has) purchased new dress.
 - v. Rani and Rajiv _____ (is/are) best friends.
 - vi. Gayatri _____ (walk/walks) fast to reach school.
-

शरदावकाश ग्रह कार्य २०२६-२७
कक्षा - VIII विषय - संस्कृत

१. पाठ - पश्यत कोष्मोद्यानसं भारतस्य मनोहरम्
पुश्प संख्या - ३, ५, ६ और ६
२. व्याकरण (क) सकारान्त पुलिङ्ग शब्द विद्वत् (विद्वान्)
(ख) तकारान्त पुलिङ्ग शब्द भवत् (आप)
(ग) धातुरूप - पा- (पिब) स्या- (हस्या) लृट्- लकार
लोट्- लकार और लङ्- लकार में।
३. परियोजना- कार्य -
पूर्वोत्तर राज्यानी पर्यटनस्थलानी नामानि लिखित्वा तेषां
संक्षिप्त-संक्षिप्त वर्णनं कुरुत।

KENDRIYA VIDYALAYA GUMLA

AUTUMN BREAK HOMEWORK (2026–27)

CLASS: VIII SOCIAL SCIENCE

1.Which of the following resources is classified as a ubiquitous resource found everywhere?

- (a) Iron ore (b) Petroleum (c) Air we breathe (d) Coal

2.The historical process of reshaping India’s political map during medieval and colonial transitions prominently involved the rise of which regional power in western India?

- (a) The Marathas (b) The Ahoms (c) The Sikhs (d) The Rajputs

3.Under India’s electoral system, universal adult suffrage ensures that:

- (a) Only wealthy citizens can vote (b) Every adult citizen has one equal vote (c) Voting is restricted by education (d) Only property owners participate

4.Which of the following is considered a primary factor of production in economic activities?

- (a) Machinery (b) Land and Natural Resources (c) Factory Buildings (d) Digital Software

5.The executive organ of the Indian parliamentary system is responsible for:

- (a) Making laws (b) Implementing and administering laws (c) Resolving legal disputes (d) Amending the Constitution directly

6.Define the term ‘sustainable development’ in the context of managing natural resources.

7.What were the primary objectives behind the colonial land revenue policies introduced by the British in India?

8. Briefly explain the significance of the universal adult franchise in a democratic country like India.
9. Distinguish between biotic and abiotic resources with one suitable example for each.
10. What role does the legislature play within the framework of India's parliamentary system?
11. Name the four major factors of production essential for economic activities and wealth generation.
12. How did trade and political authority shift during the colonial era in India? Give two major changes.
13. Mention any two key features that characterize India's electoral system.
14. Why is the conservation of natural resources vital for future generations? Give two reasons.
15. On an outline map of India, locate and label the core region associated with The Rise of the Marathas (Deccan/Maharashtra region).
16. On an outline map of India, locate and label a major geographical area rich in Natural Resources (such as coal or iron ore belts) discussed in your textbook.

शरदकालीन अवकाश गृहकार्य 2026

विषय- हिन्दी

कक्षा - 8

1. 'एक टोकरी भर मिट्टी' कहानी में प्रयुक्त निम्नलिखित मुहावरों के अर्थ लिखें एवं वाक्य में प्रयोग करें -

- (क) फूट-फूटकर रोना —
- (ख) बाल की खाल निकालना -
- (ग) थैली गरम करना —
- (घ) पैरों पर गिरना —
- (ङ.) आँखें खुलना —
- (च) धन-मद में गर्वित होना —
- (छ) कर्तव्य भूल जाना —
- (ज) पश्चाताप करना —

2. महादेवी वर्मा द्वारा रचित 'मत बाँधो' कविता को सुंदर एवं साफ अक्षरों में लिखकर उसमें प्रयुक्त कठिन शब्दों के अर्थ तथा कविता से मिलने वाली सीख भी लिखें।

3. किन्हीं दो विषयों पर लेख (अनुच्छेद) लिखें-

- (क) पर्यावरण संरक्षण
- (ख) मेरा प्रिय त्योहार
- (ग) मोबाइल फोन के लाभ और हानि

4. अपने विद्यालय के प्रधानाचार्य को विद्यालय में खेल सामग्री उपलब्ध कराने हेतु पत्र लिखें।

अथवा

अपने छोटे भाई को मोबाइल फोन का सीमित उपयोग करने तथा पढ़ाई पर ध्यान देने की सलाह देते हुए पत्र लिखें।

5. 'स्वच्छता' विषय पर बहुविषयी परियोजना कार्य पूर्ण करें जिसमें स्वच्छता के महत्व को समझाते हुए व्यक्तिगत एवं सार्वजनिक स्वच्छता बनाए रखने के उपाय लिखें। स्वच्छ वातावरण से होने वाले लाभों का वर्णन करें तथा उससे संबंधित चित्र भी बनाएँ। (MDP)

KENDRIYA VIDYALAYA GUMLA

AUTUMN BREAK HOLIDAY HOMEWORK (MATHEMATICS - CLASS VIII)

Class: VIII

Subject: Mathematics (NCERT)

Duration: 10 Days

Syllabus: Rational Numbers to Algebraic Expressions

Day 1: Chapter 1 – Rational Numbers

Properties & Representation

- Review closure, commutative, associative, and distributive properties of rational numbers.
- Find additive inverse and multiplicative inverse (reciprocal) for 5 given rational numbers.
- Represent $-2/5$ and $7/4$ on a number line.

Day 2: Chapter 2 – Linear Equations in One Variable

Equations & Solutions

- Solve 5 algebraic linear equations with variables on both sides (e.g., $2x - 3 = x + 2$).
- Solve 3 word problems based on numbers and consecutive integers.
- Solve 2 problems related to perimeter or age comparison.

Day 3: Chapter 3 – Understanding Quadrilaterals

Polygons & Angle Sum

- List properties of parallelograms, rhombuses, rectangles, squares, and trapeziums.
- Calculate the sum of interior angles of polygons with 6, 8, and 10 sides.
- Find unknown angles x , y , z in given parallelogram diagrams (NCERT Exercise 3.3).

Day 4: Chapter 5 – Data Handling

Pictographs & Pie Charts

- Review organization of raw data, grouping, and frequency distribution tables.
- Construct a Pie Chart (Circle Graph) for given survey data (e.g., favorite sports or food items).
- Answer 4 probability questions based on a single coin toss, rolling a die, and drawing cards.

Day 5: Chapter 6 – Squares and Square Roots

Properties & Methods

- Memorize square numbers from 1 to 30 and note patterns of unit digits.
- Find square roots of 3 numbers using prime factorization and 2 numbers using long division method.
- Find the smallest whole number by which 252 must be multiplied to make it a perfect square.

Day 6: Chapter 7 – Cubes and Cube Roots

Cubes & Estimation

- List cubes of numbers from 1 to 15.
- Check whether 2160 is a perfect cube through prime factorization. If not, find the smallest number to divide it.
- Find the cube root of 17576 or 10648 using the estimation method.

Day 7: Chapter 8 – Comparing Quantities

Percentage, CI & Discount

- Calculate percentage increase/decrease and profit-loss percentage for 3 real-world items.
- Find Marked Price, Discount percentage, and Selling Price for 2 items.
- Calculate Compound Interest (CI) annually and half-yearly for a principal amount over 2 years.

Day 8: Chapter 9 – Algebraic Expressions and Identities

Multiplication & Identities

- Multiply binomials and polynomials (e.g., $(2x + 3)(x - 5)$).
- Use standard algebraic identities: $(a+b)^2$, $(a-b)^2$, (a^2-b^2) , $(x+a)(x+b)$ to expand 4 expressions.
- Evaluate numerical squares like $(102)^2$ or $(99)^2$ using identities.

Day 9: Maths Project & Formula Booklet

Creative Assignment

- **Formula Booklet:** Prepare a colorful 3–4 page pocket handbook summarizing rules of rational numbers, exponents, and algebraic identities.
- **Project Task (Select Any One):**
 - (a) Collect monthly household electricity bills or grocery expenses for 4 months, record them in a table, and draw a bar graph.
 - (b) Write a short illustrated biography of the Indian mathematician **Aryabhata** and his contributions to number systems.

Day 10: Self-Assessment Mock Test & Doubt Log

Practice & Review

- Attempt a self-administered 25-mark practice paper covering Chapters 1 to 9.
- Maintain a dedicated **"Doubt Log"** of questions or concepts where you faced difficulty to clarify with your teacher when school reopens.

General Guidelines & Submission Instructions

- **Notebook:** Complete all homework neatly in a separate thin homework register or punched A4 portfolio sheets inside a folder.
- **Geometry & Graphs:** Use a sharp pencil, scale, and compass for constructing angles, polygons, and bar/pie charts.
- **Step Marking:** Show all calculation steps clearly for every arithmetic and algebraic problem.
- **Deadline:** Submission on the first working day after the Autumn Break.