

PM SHRI KENDRIYA VIDYALAYA MATI SHIFT-1
AUTUMN BREAK HOME ASSIGNMENT CLASS-9 (2026-27)

हिन्दी

शरदकालीन अवकाश गृहकार्य

- (गहन अध्ययन): निर्धारित पाठ्यपुस्तकों के सभी अध्यायों के मुख्य संदेश, लेखक/कवि परिचय और पाठ के पीछे के कठिन प्रश्नों का अभ्यास करें।
- (सटीक प्रश्न-उत्तर): पढ़ाए गए प्रत्येक पाठ (गद्य, पद्य व पूरक पुस्तिका) से 2-2 ऐसे प्रश्न तैयार करें जो वार्षिक परीक्षा की दृष्टि से महत्वपूर्ण हों। उनके मानक उत्तर कॉपी में लिखें।
- (व्याकरण एवं भाषा कौशल):
 - उपसर्ग, प्रत्यय, समास और अर्थ के आधार पर वाक्य भेद का संपूर्ण अभ्यास कार्य करें। . संधि (स्वर संधि के भेद) और समास (भेद व विग्रह) का लिखित अभ्यास अपनी कॉपी में करें।
- (रचनात्मक लेखन - बोर्ड प्रारूप):
 - अनुच्छेद लेखन: 'डिजिटल इंडिया' या 'विद्यार्थी जीवन और अनुशासन' पर संकेत बिंदुओं के आधार पर (120 शब्दों में) लिखिए।
 - पत्र लेखन: मित्र को जनमदिन की बधाई देते हुए अनौपचारिक पत्र का सही प्रारूप बनाकर लिखिए।
 - (पुनरावृत्ति): आगामी परीक्षा के ब्लूप्रिंट (Blueprint) के आधार पर एक मॉडल प्रश्न पत्र (Sample Paper) को समय सीमा के अंदर हल करने का प्रयास करें।
- . हिंदी का पोर्टफोलियो पूरा करें।

Subject: English Language and Literature (184)

AUTUMN BREAK HOME ASSIGNMENT

Section A: Literature – Kaveri

Q1. Answer the following questions in 40–50 words each:

1. What is the central idea of Winds of Change?
2. What message do you learn from Vitamin M?
3. What role does art play in expressing human emotions in Canvas of Soil?
4. What feelings are expressed in the poem I Cannot Remember My Mother?
5. Write the summary of any one chapter or poem you have studied from Kaveri.

Q2. Reference to Context

Choose any one chapter and any one poem from your textbook. Write:

- The title and name of the author/poet.
- The context of the lesson or poem.
- The central idea.

- Two important lines or incidents and their significance.

Q3. Character/Theme Analysis

Write a paragraph of 100–120 words on the main theme or an important character from any one prose lesson in Kaveri.

Section B: Reading Skills

Q4. Unseen Passage

Read an unseen passage from a newspaper, magazine or English reader. Write:

1. Five questions based on the passage.
2. Their answers in complete sentences.
3. Five new words with their meanings.

Section C: Writing Skills

Q5. Descriptive Paragraph

Write a descriptive paragraph of 100–120 words on any ONE of the following:

1. A Person I Admire the Most
2. My School Library
3. The Importance of Nature
4. A Memorable Day in My Life

Q6. Letter Writing

Write a letter to the Editor of a newspaper expressing your concern about the increasing use of plastic and suggesting ways to reduce plastic pollution.

Q7. Diary Entry

Write a diary entry describing how you spent a memorable day during the autumn break.

Section D: Grammar

Q8. Subject–Verb Concord

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

1. The quality of these mangoes _____ very good. (is/are)
2. Neither Riya nor her friends _____ present. (was/were)
3. The news _____ true. (is/are)
4. Each of the students _____ a notebook. (has/have)
5. Mathematics _____ my favourite subject. (is/are)

Q9. Reported Speech

Change the following sentences into indirect speech.

1. Riya said, “I am preparing for my examination.”
2. The teacher said to the students, “Work hard.”
3. Mohan said, “I have completed my homework.”

4. She said to me, “Are you feeling better?”

5. Rahul said, “I will visit Delhi tomorrow.”

Q10. Figures of Speech

Identify the figure of speech used in each sentence.

1. The wind whispered through the trees.

2. She sells seashells by the seashore.

3. The stars danced in the night sky.

4. The classroom was a zoo.

5. The flowers nodded their heads.

Section E: Creative and Art-Integrated Learning

Q11. Vocabulary Building

Write difficult words each chapter of Kaveri

Q12. Creative Activity

Portfolio

Section F: Revision

Q13. Revise all the chapters and poems taught in class from Kaveri.

Prepare five short-answer questions and two long-answer questions from each completed prose lesson and poem.

Submission Date: First day after the autumn break.

PM SHRI KENDRIYA VIDYALAYA MATI, KANPUR DEHAT

HOLIDAY HOMEWORK WORKSHEET

Mathematics Class 9

Revision of chapters completed before the break (as per the Split-Up Syllabus)

Chapters Covered (for revision)

- Ch 1 - Orienting Yourself: The Use of Coordinates
- Ch 2 - Introduction to Linear Polynomials
- Ch 3 - The World of Numbers
- Ch 4 - Exploring Algebraic Identities
- Ch 5 - I'm Up and Down, and Round and Round (Circles)
- Ch 6 - Measuring Space: Perimeter and Area
- Ch 7 - The Mathematics of Maybe (Introduction to Probability)
- Ch 8 - Predicting What Comes Next (Sequences and Progressions)

Instructions for Students

1. Attempt one worksheet each day. Do all the work neatly in your Maths notebook.
2. Write the question number and then the complete solution, showing each step.
3. Draw diagrams and graphs with a pencil and ruler wherever needed.
4. Revise the chapter from the textbook before starting that day's worksheet.
5. This is revision work only, based on what has already been taught in class.

Day 1: Orienting Yourself: The Use of Coordinates

1. Plot the points (2, 3), (-2, 4), (-3, -2) and (4, -1) on a graph and name the quadrant of each.
2. Write the coordinates of one point on the x-axis and one point on the y-axis.
3. Find the distance between the points (2, 3) and (2, 8).
4. Find the distance between the origin and the point (3, 4).
5. In which quadrant does the point (-5, 6) lie?
6. Write the coordinates of the reflection of the point (3, -4) in the x-axis.
7. Find the distance between (-1, 2) and (2, -2).
8. The point (0, y) lies on which axis? Give one example.

Day 2: Introduction to Linear Polynomials

1. Identify the terms, coefficients and variables in $5x - 3y + 7$.
2. Find the degree of the polynomial $4x^3 - 2x + 1$.
3. Which of these are linear polynomials: $2x + 5$, $x^2 + 1$, $3x - 7$, 4?
4. Evaluate the polynomial $p(x) = 2x + 3$ at $x = 4$.
5. Find the n th term of the pattern 3, 7, 11, 15, ...
6. Complete the table for $y = 2x + 1$ for $x = 0, 1, 2$ and 3, and plot the graph.
7. Write the slope and the y-intercept of the line $y = 3x - 2$.
8. Two lines have slopes 2 and 2. Are they parallel?

Day 3: The World of Numbers

1. Classify each as natural, integer, rational or irrational: -3, 0, $\frac{2}{5}$, $\sqrt{7}$, 5.
2. Prove that the square root of 2 is irrational.
3. Write the recurring decimal 0.333... as a fraction.
4. Find two rational numbers between $\frac{1}{3}$ and $\frac{1}{2}$.
5. Express 0.36 as a fraction in lowest terms.
6. State whether the square root of 16 is rational or irrational.
7. Describe how you would represent the square root of 2 on the number line.
8. State whether the decimal expansion of $\frac{7}{8}$ is terminating or non-terminating.

Day 4: Exploring Algebraic Identities

1. Expand $(x + 3)^2$ using an identity.
2. Expand $(2a - 5)^2$.
3. Evaluate 99^2 using an identity.
4. Factorise: $x^2 - 9$.
5. Expand $(x + 2)(x - 2)$.
6. Evaluate 103×97 using an identity.
7. Expand $(a + b)^3$.
8. Factorise: $x^2 + 6x + 9$.

Day 5: I'm Up and Down, and Round and Round (Circles)

1. The perpendicular drawn from the centre of a circle to a chord ____ the chord.

2. Find the length of a chord of a circle of radius 5 cm that is at a distance of 3 cm from the centre.
3. Complete: the angle subtended by an arc at the centre is ____ the angle it subtends at any point on the remaining part of the circle.
4. Find the measure of the angle in a semicircle.
5. In a cyclic quadrilateral, one angle is 70 degrees. Find its opposite angle.
6. Two chords of a circle are each at a distance of 4 cm from the centre. Are they equal in length?
7. The diameter of a circle is 14 cm. Find its radius and the length of the longest chord.
8. An arc subtends an angle of 100 degrees at the centre. Find the angle it subtends at a point on the remaining part of the circle.

Day 6: Measuring Space: Perimeter and Area

1. Find the perimeter of a rectangle of length 12 cm and breadth 8 cm.
2. Find the area of a triangle of base 10 cm and height 6 cm.
3. Find the area of an equilateral triangle of side 4 cm.
4. Find the area of a triangle with sides 3 cm, 4 cm and 5 cm using Heron's formula.
5. Find the circumference of a circle of radius 7 cm.
6. Find the area of a circle of radius 14 cm.
7. Find the area of a sector of angle 60 degrees in a circle of radius 21 cm.
8. The perimeter of a square is 36 cm. Find its area.

Day 7: The Mathematics of Maybe (Probability)

1. Write the sample space when a coin is tossed once.
2. Find the probability of getting a head when a fair coin is tossed once.
3. Find the probability of getting an even number when a fair die is rolled once.
4. Find the probability of getting a number greater than 4 on a die.
5. A bag has 3 red and 5 blue balls. Find the probability of drawing a red ball.
6. Classify each as certain, impossible or likely: (a) the sun rises in the east, (b) getting 7 on a die.
7. Find the probability of drawing an ace from a well-shuffled deck of 52 cards.
8. A die is thrown 100 times and 4 appears 20 times. Find the experimental probability of getting 4.

Day 8: Predicting What Comes Next (Arithmetic Progressions)

1. Find the 10th term of the AP 3, 7, 11, ...
2. Find the common difference of the AP 12, 8, 4, ...
3. Which term of the AP 2, 5, 8, ... is 32?
4. Find the sum of the first 10 terms of the AP 1, 3, 5, ...
5. Find the sum of the first 20 natural numbers.
6. Find the n th term of the sequence 5, 9, 13, 17, ...
7. Is 100 a term of the AP 4, 8, 12, ...? Give a reason.
8. Find the sum of the first 15 terms of the AP 7, 11, 15, ...

Day 9: Sequences and Progressions (Geometric Progressions)

1. Find the common ratio of the GP 3, 9, 27, ...

- Find the 5th term of the GP 2, 4, 8, ...
- Find the 6th term of the GP 1, 3, 9, ...
- Check whether 2, 6, 18, 54 is a GP and find its common ratio.
- Find the sum of the first 5 terms of the GP 1, 2, 4, ...
- Find the sum: $1 + 2 + 3 + \dots + 50$.
- Write the next two terms of the GP 80, 40, 20, ...
- A pattern of dots grows as 1, 4, 9, 16, ... Find the 10th term.

Day 10: Mixed Revision

- Find the distance between the points (1, 2) and (4, 6).
- Find the degree of the polynomial $7x^4 - x + 2$.
- State whether the square root of 5 is rational or irrational.
- Evaluate 98^2 using an identity.
- In a circle, an angle subtended at the centre is 120 degrees. Find the angle at the circumference.
- Find the area of a triangle with sides 5 cm, 12 cm and 13 cm.
- Find the probability of getting a prime number when a fair die is rolled once.
- Find the 12th term of the AP 5, 9, 13, ...

PM SHRI KENDRIYA VIDYALAYA MATI SHIFT-1 AUTUMN BREAK HOME ASSIGNMENT CLASS-9 SCIENCE(086)(2026-27)

- Solve 5 numerical problems from the each chapters ---
Chapter 4-Describing Motion Around Us Chapter-5 Exploring Mixtures and their Separation
Chapter-6 How Forces Affect Motion Chapter-7 Work, Energy, and Simple Machines.
- Draw and practice 5 labeled diagrams from each of the Chapter 2 Cell: The Building Block of Life,
Chapter 3 Tissues in Action
- Write all the practical records of Class 9th Science in practical notebook.
- Do all portfolio activities on A4-size punch paper.
- Think of some innovative ideas related to Science chapters of Class 9th and make a project for internal assessment. OR make an art integrated project on any chapter of class 9th science.
- Complete all your fair notebook work.

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Class – IX

Social Science Autumn Break Homework

Activity -1 On the physical map of India locate 16 mahajanapadas and kingdoms of Tamilnadu (Cholas, Cheras, Pandyas

Activity -2 On the physical map of India locate major harappan sites Harappa, Mohenjodaro, Kalibangan, Dholavira, Lothal, Rakhighari, Mehrgarh, Kunal, Kot Digi.

Activity -3 On the physical map of world locate following biomes

Tropical rainforest biome, grassland biome, desert biome, tundra biome, taiga biome, Temperate Deciduous biome.

Activity – 4 Write any 5 MCQs, 2 very short answer, 1 long answer from the chapters Early humans and beginning of Civilisation and State and society up to 1000 CE.

पीएमश्री केंद्रीय विद्यालय माती कानपुर (देहात) प्रथम पाली

शरदकालीन अवकाश गृहकार्यम् - २०२६-२७

कक्षा – नवमी | विषय – संस्कृतम्

१. पाठ्यपुस्तकाधारितकार्यम्

१. पाठ्यपुस्तकस्य प्रथमत्रयाणां पाठानां स्वाध्यायं कुर्वन्तु।
२. प्रत्येकस्मात् पाठात् पञ्च प्रश्नान् उत्तराणि च लिखन्तु।
३. प्रत्येकस्मात् पाठात् दश कठिनशब्दान् चित्वा तेषाम् हिन्दी-अर्थान् लिखन्तु।
४. प्रत्येकस्मात् पाठात् पञ्च महत्त्वपूर्णवाक्यानि लिखन्तु।

२. शब्दरूपाणि

अधोलिखितानां शब्दानां रूपाणि लिखन्तु—

१. बालक
२. लता

३. धातुरूपाणि

अधोलिखितानां धातूनां लट्, लङ् तथा लृट्-लकारेषु रूपाणि लिखन्तु—

१. पठ्
२. गम्
३. लिख्

४. सन्धिकार्यम्

अधोलिखितानां सन्धिं कुरुत—

१. विद्या + आलयः
२. महा + उत्सवः
३. देव + आलयः
४. नर + इन्द्रः
५. गण + ईशः

५. संस्कृतभाषायाम् अनुवादं कुरुत

१. विद्यार्थी विद्यालय जाता है।
२. हम प्रतिदिन संस्कृत पढ़ते हैं।
३. किसान खेत में काम करता है।
४. पेड़ हमें फल देते हैं।
५. हमें सदैव सत्य बोलना चाहिए।

६. अपठितगद्यांशः

गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखन्तु—

एकस्मिन् ग्रामे एकः कृषकः निवसति स्म। सः प्रतिदिनं प्रातःकाले क्षेत्रं गच्छति स्म। सः परिश्रमेण अन्नम् उत्पादयति स्म। तस्य परिवारः तेन सह आनन्देन निवसति स्म। कृषकः सर्वेषां साहाय्यं करोति स्म।

प्रश्नाः

१. कृषकः कुत्र निवसति स्म?
२. सः कदा क्षेत्रं गच्छति स्म?
३. कृषकः केन अन्नम् उत्पादयति स्म?
४. तस्य परिवारः कथं निवसति स्म?
५. गद्यांशात् द्वे क्रियापदे लिखत।

७. अनुच्छेदलेखनम्

अधोलिखितेषु एकस्मिन् विषये दश वाक्यानि लिखन्तु—

१. मम विद्यालयः २. पर्यावरणसंरक्षणम् ३. विद्यायाः महत्त्वम् ४. मम दिनचर्या
८. रचनात्मककार्यम्

संस्कृतभाषायां दश नवीनशब्दान् लिखन्तु। प्रत्येकस्य शब्दस्य अर्थं, वाक्यप्रयोगं, समानार्थकशब्दं तथा विलोमशब्दं च लिखन्तु।

शुभमस्तु!

अवकाशस्य सदुपयोगं कुर्वन्तु तथा संस्कृतस्य अभ्यासं निरन्तरं कुर्वन्तु।

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ARTIFICIAL INTELLIGENCE (AI) Autumn Break Homework Class – IX

Task: Students must complete the current academic year's Periodic Test 2 (PT2) paper directly in their existing class notebooks. A separate copy is not required.

- Format: Students must write down each question followed by its detailed answer.
- Question Paper: Students must ensure they have the PT2 question paper to complete the work. Although the teacher may provide the paper, it is not mandatory for the teacher to do so. Securing a copy remains the sole responsibility of the students.
- Academic Requirement: Students must thoroughly study and understand the underlying concepts behind every question, rather than just writing down surface-level answers. If students encounter any problems or doubts while studying these topics, they are encouraged to ask the teacher for clarification.