PM SHRI KENDRIYA VIDYALAYA MATI

AUTUMN BREAK HOLIDAY HOMEWORK | CLASS VI

1. ENGLISH

Day 1–2: Write a paragraph (8–10 sentences) on 'How I plan to spend my autumn break'.
Day 3: Read any story from your textbook and write its moral in your own words.
Day 4: Prepare a word list of 20 new words (with meanings and use them in sentences).
Day 5: Write a short poem (6–8 lines) on Autumn Season.
Day 6–7: Read any short story (from library/any book) and write a short summary.
Day 8: Grammar practice – Frame 10 sentences using Simple Past Tense.
Day 9: Write a short letter to your cousin describing your favourite festival.
Day 10: Draw and decorate a bookmark with a quotation on reading.

2. हिन्दी (HINDI)

कार्य 1 (अनुच्छेद): "प्लास्टिक के विकल्प" विषय पर 100 शब्दों में एक अनुच्छेद लिखिए, जिसमें आप और आपके मित्र के बीच संवाद निहित हो।

कार्य 2 (निबन्ध): "यदि मैं प्रधानाचार्य बना" विषय पर 250 शब्दों में एक निबन्ध लिखिए।

• प्रस्तावना • प्रशासनिक कार्य • शैक्षणिक कार्य • सामाजिक कार्य • छात्रों के हित में कार्य • सेमिनार / कार्यशाला / जागरूकता कार्यक्रम

कार्य 3 (पत्र लेखन): आपका परम मित्र अंकित/अंकिता है जिसका जन्मदिन मनाने के लिए आप जाना चाहते हैं। आपके पिता दिल्ली में रहते हैं। अपने मित्र के जन्मदिन में सम्मिलित होने की अनुमति के लिए अपने पिता जी को पत्र लिखिए।

कार्य 4 (दोहे): अपनी पाठ्यपुस्तक से रहीम के दोहे को लिखकर याद कीजिए।

कार्य 5 (केन्द्रीय भाव): 'जलाते चलो' कविता का केन्द्रीय भाव अपने शब्दों में लिखिए। (केन्द्रीय भाव लगभग 50 शब्दों में होना चाहिए।)

3. संस्कृतम् (SANSKRIT)

कार्य 1: वन्यपशूनाम् चित्रं रचयतु नामानि च लिखतु। (Draw the picture of wild animals with names.)

कार्य 2: 'वृक्षारोपणस्य महत्त्वम्' इति विषयोपरि 50 शब्देषु एकम् अनुच्छेदं लिखतु। (Write an article on the importance of plantation in 50 words.)

कार्य 3: वृक्षस्य उपरि दश श्लोका: लिखतु। (Write 10 Shlokas on the tree.)

कार्य 4: वृक्षस्य चित्रं रचयत। (Draw a picture of a tree.)

कार्य 5: संस्कृतसंख्याः एकतः शतं (1-100) पर्यन्तं लिखतु, स्मरतु च। (Write and memorize Sanskrit numbers from 1 to 100.)

कार्य 6: शब्दरूपाणि - बालक, नदी, वृक्ष, फल

कार्य 7- धातुरूपाणि - पठ्, लिख्, हस्, गम् (पञ्च लकारेषु लिखत)

4. MATHEMATICS

Q1. Find all possible digits that can replace the box to make 47_5 divisible by 3. Which of the resulting numbers are also divisible by 2?

Q2. I am a number between 20 and 40. I have exactly two factors, and the sum of my digits is 5. Who am I?

Q3. A teacher has 24 chocolates. She wants to arrange them in equal rows so that no chocolate is left over. Find all possible arrangements.

Q4. Can you find a number less than 100 that has exactly three factors? Find all such numbers and explain what makes them special.

Q5. A wire is bent to form a square of side 8 cm. The same wire is then bent to form a rectangle of length 10 cm. Find the breadth of the rectangle.

Q6. A rectangular room is 6 m long and 4 m wide. Find the area of the floor. How many square tiles of side 2 m are needed to cover it completely?

Q7. A farmer has 24 m of fencing. He wants to make a rectangular enclosure using all the fencing. Find three different possible dimensions and calculate the area in each case. Which enclosure gives the greatest area among your three choices?

Q8. A rectangle has a perimeter of 20 cm. Its length and breadth are whole numbers of centimetres. Find all possible rectangles and identify which one has the largest area.

5. SCIENCE

General Instructions: Attempt all eight questions. Use diagrams, tables, photographs or illustrations wherever required. Perform experiments only under adult supervision. Present work neatly in a notebook or A4 sheets.

Q1. Scrapbook Collection: Find five different types of leaves from your home garden. Place them into your holiday notebook; identify and write whether each leaf exhibits parallel venation or reticulate venation.

Q2. Revision: Learn and revise Chapters 1 to 6.

Q3. Notes Making: Read Chapters 6 & 7 and make notes.

Q4. Material Classification: Classify materials by listing them neatly in your notebook under 2 distinct columns: Magnetic and Non-magnetic materials.

Q5. Riddles:

- I attract iron objects but not wooden objects. Who am I?
- I have two poles, North and South. What am I?
- I can attract iron pins without touching them. What force am I using?
- I always try to point towards the north and south when freely suspended. What am I?
- If you break me into two pieces, each piece still has two poles. Who am I?

6. SOCIAL SCIENCE

Task 1 (My SST Scrapbook): Create one colourful page titled “Five Things I Discovered This Autumn.” Include facts from history, geography, and civics.

Task 2 (Incredible India Map Art): On an outline map of India, mark five rivers, three physical features, and four states with their capitals.

Task 3 (My Dream Village): Draw a model village with a school, hospital, roads, water supply, and a community centre.
Creative task: Write three problems your village council should solve.

Task 4 (Government Detective): Create a colourful flowchart showing the three levels of government in India: local, state, and national.

Task 5 (Civics Study): Write any five functions of a Municipality or Municipal Corporation.

7. ARTIFICIAL INTELLIGENCE (AI)

S.N.	Section A: Multiple Choice Questions (MCQs)
1	What is artificial intelligence (AI)? a. The study of natural intelligence exhibited by humans and animals b. A branch of computer science that deals with programming languages c. The simulation of human intelligence processes by machines, especially computer systems d. None of the above
2	Which of the following is an example of AI-driven solution in everyday life? a. Weather forecasting b. Using a calculator c. Playing video games d. All of the above
3	What is the primary goal of AI-driven solutions in healthcare? a. To replace human doctors and nurses b. To improve patient outcomes and streamline healthcare processes c. To increase healthcare costs d. To make healthcare less accessible
4	Which AI technology allows machines to understand and interpret human language? a. Natural Language Processing (NLP) b. Machine Learning (ML) c. Computer Vision d. Robotics
5	What do recommendation systems use AI for? a. Identifying potential risks in financial markets b. Recommending products or content based on user preferences c. Analyzing medical images for disease diagnosis d. Controlling autonomous vehicles
6	What does AI Duet allow users to do? a. Create music by playing a piano with an AI b. Listen to songs on-demand c. Learn to play instruments d. Design musical instruments
7	What do chatbots use AI for? a. Identifying objects in images b. Recognizing speech c. Conversing with users in natural language d. Playing video games
8	Which AI technology allows machines to understand and interpret visual information from the environment? a. Natural Language Processing (NLP) b. Predictive Analytics c. Computer Vision d. Robotics

9	What kind of information does Google Maps provide when giving directions? a. Name of the nearest restaurant b. Traffic data and shortest travel path c. The weather forecast d. The nearest gas station
10	Which of the following statements about AI-driven solutions is true? a. AI solutions can only perform tasks that humans are already capable of doing. b. AI solutions can analyze large datasets and identify patterns that may not be obvious to humans. c. AI solutions are always completely error-free and do not require human supervision. d. AI solutions cannot adapt or learn from new data or experiences.

Section B: Short Answer Questions

Q11. How does AI interact with our world?

Q12. What can be different areas in which we can divide AI based on its interaction?