KENDRIYA VIDYALAYA GUNUPUR

AUTUMN HOLIDAY HOMEWORK

Subjects – SST Class-VI

Short Answer Type

1. Why is our country called India as well as Bharat?
2. Why do we study history? Give two reasons.
3. What are manuscripts? On what materials were they usually written?
4. How are inscriptions useful for historians?
5. What are archaeological sources? Give two examples.
6. Name two literary sources of ancient Indian history.
7. Who are archaeologists and what do they study?
8. Explain why history is divided into BC and AD.
9. How do coins help us to know about the past?

Long Answer Type

10. Describe how people lived near the river valleys (like the Ganga, Indus, and Narmada) in ancient times.

11. Explain the differences between historical sources like manuscripts, inscriptions, and archaeological finds.

12. Why is it important to study both archaeological sources and literary sources together?

13. How do objects like tools, weapons, and ornaments tell us about the past?

14. Discuss the importance of dates and timelines in the study of history.

केन्द्रीयविद्यालयः गुणपुरः

कक्षा – षष्ठी - 6 विषय- संस्कृतम्

अवकाश-गृहकार्यम् 2025 - 2026

1. द्वितीय-आवधिक-परीक्षायाः

कृते अधोलिखितानाम् पाठानाम् अभ्यास-कार्यस्य मौखिकं लिखितम् च पुनरावृत्तिं कुरुत। / आवधिक परीक्षा-2 के लिए नीचे लिखे गए पाठों का अभ्यास कार्य (नोटबुक तथा पाठ्यपुस्तक दीपकम् से) याद करो तथा लिखित अभ्यास करो।

2. एकम् तः पञ्चाशत (1-50) पर्यन्तं सङ्ख्यां लिखन्तु स्मरन्तु च-/ एक से पचास (1-50) तक संस्कृत में संख्याएँ लिखिए तथा याद करें-
3. धातुरूपलेखनं कण्ठस्थीकरणं चः कुर्वन्तु- /धातुरूप लिखें और याद करें-

गम्,लिख् ,भू, पठ्, (पञ्चलकारेषु)

4. माध्यमिक परीक्षा के प्रश्नपत्र अपने खाते में हल करें।

5.1त: 50.यावत् संख्या को अक्षर में लिखिए।

KENDRIYA VIDYALAYA GUNUPUR
HOLIDAY HOMEWORK
SUBJECT:ARTIFICIAL INTELIGENCE
CLASS:VI

1. What is Artificial Intelligence?
2. Name two major fields under AI.
3. What is the main goal of AI?
4. Mention two real-life examples of AI.
5. Define Machine Learning.
6. What is Natural Language Processing (NLP)?
7. What is the difference between AI and ML?
8. What is an expert system?
9. Define Deep Learning.
10. What is the Turing Test?
11. What are the types of AI based on capabilities?
12. What is Narrow AI?
13. Name two programming languages used in AI.
14. What is computer vision?
15. Mention two industries where AI is used.
16. What is supervised learning?
17. What is unsupervised learning?
18. What is reinforcement learning?
19. Name any two advantages of AI.
20. Name two limitations of AI.

Prepare A Smart Home Model In A4 Sheet

KENDRIYA VIDYALAYA GUNUPUR
AUTUMN BREAK HOLIDAY HOMEWORK
CLASS – VI SUBJECT – MATHS

1. Patterns in Mathematics

- Find and write the next three terms in each sequence:
  a) 2, 4, 8, 16, __, __, __
  b) 5, 10, 15, 20, __, __, __
  c) 1, 4, 9, 16, __, __, __
  [Hint: Observe the rule of formation for each pattern]
- Draw pictorial representations of "triangular numbers" for the first 4 terms using dots.
- Create your own pattern with numbers or shapes and explain the rule behind it.

2. Lines and Angles

- Draw and label the following:
  a) A line segment with endpoints A and B
  b) A ray starting at P and passing through Q
  c) An angle XYZ with Y as the vertex, mark its arms clearly
- Find examples of right, acute, and obtuse angles at home or in your surroundings. Draw or photograph them, and label each type of angle.
- Using a protractor, draw angles of 40°, 90°, and 150°. Show your construction steps.

3. Number Play

- Write all 2-digit numbers whose digits add up to 9, 11, and 15.
- List all the palindromic numbers between 10 and 150.
- Try the "reverse and add" process: Take any 2-digit number (not ending with 0), reverse it, add it to the original number. Do you always get a palindrome? Try with at least 3 numbers and record your findings.
- Estimate:
  a) How many steps from your classroom to the school gate?
  b) How many seconds in a school day?
- Make your own Collatz sequence starting with your roll number and see if you reach 1. [If even, divide by 2; if odd, multiply by 3 and add 1]

4. Data Handling and Presentation

- Conduct a mini-survey among your friends or family: "Favorite fruit" or "Preferred holiday activity" (choose one). Record the data, and make a tally table.
- Represent your data with a pictograph (use any symbol, e.g.,  = 2 people).
- Draw a bar graph based on your survey data and answer:
  a) Which category was most popular?
  b) Which was least?
- Observe the number of steps you walk each day for a week. Prepare a table and a simple bar graph to present this data.

5. Prime Time

- List out all prime numbers from 1 to 50.
- Using the Sieve of Eratosthenes, shade or mark out composite numbers in a 1–50 grid and circle the primes.
- Write the first six multiples of 4. Which are also multiples of 8?
- Find the factors of 24, 36, and 48. Write the common factors.
- Choose any two numbers between 10–30. Find if they are co-prime (explain and show working).
- Explore: Are there pairs of twin primes between 1 and 50? List them.

Project/Creative Task

Choose one (attempt in A4 or chart paper, or as a file):

1. Make a "Math Art" poster using different patterns of numbers, shapes, or angles.
2. Interview three elders/family members about how they use mathematics (patterns, data, estimation, or factors) in daily life. Write a short paragraph for each.
3. Collect empty boxes, sticks, or straws to make models demonstrating types of lines, line segments, rays, and angles. Label them and click photos.

Enjoy your holidays while exploring the beauty of mathematics!

KENDRIYA VIDYALAYA GUNUPUR
AUTUM – BREAK HOME WORK
CLASS – VI
ENGLISH

UNSEEN COMPREHENSION

Passage:
Marie Curie was a famous scientist who discovered two new elements—polonium and radium. She was the first woman to win a Nobel Prize, and the only person ever to win Nobel Prizes in two different sciences: Physics and Chemistry. Born in Poland in 1867, she moved to Paris to study science because her home country did not allow women to attend universities. Life was difficult for her in Paris; she had little money and often went hungry, but her determination kept her going. Along with her husband Pierre Curie, she worked tirelessly in their laboratory. After Pierre's death, Marie continued her research and even built mobile X-ray units during World War I to help soldiers. Her discoveries not only changed the world of science but also opened doors for women in research.

Questions

A. Short Answer Questions (2–3 lines each):

1. Which two elements did Marie Curie discover?
2. Why did Marie Curie move to Paris?
3. What difficulties did she face in Paris?
4. How did Marie and Pierre Curie work together?
5. What did Marie Curie do during World War I?

B. Vocabulary & Grammar:
6. Find two **proper nouns** and two **common nouns** from the passage.
7. Write the adjective that describes Marie Curie's attitude in the passage.
8. Pick out the word from the passage that means *"strong will to succeed."*

C. Long Answer Questions:
9. Why is Marie Curie considered an inspiring figure for women in science?
10. What lesson do you learn from Marie Curie's life?

GRAMMAR PRACTICE

1. **Editing Task:** Correct the errors.
   (i) She go to school daily.
   (ii) We was playing football.
   (iii) He are my friend.
   (iv) They has a new car.

2. **Omission Task:** Fill in the missing words.
   (i) He good at singing.
   (ii) We waiting for the bus.
   (iii) She fond chocolates.
3. **Tense Practice:** Fill in the blanks.
   (i) I _____ (play) in the park yesterday.
   (ii) She _____ (read) a story now.
   (iii) They _____ (go) to Delhi tomorrow.

WRITING SKILLS

1. Write a short paragraph (100 words) on **"My Favourite Hobby"**.
2. Write a story with the given beginning:
   One day, while I was walking to school, I found a small box on the road…
3. **Message Writing**
   You are Riya. Your brother called while your mother was not at home. Write a short message for your mother.
4. **Notice Writing**
   Your school is organizing a **"Cleanliness Drive"**. Draft a notice in about 50 words inviting students to participate.
5. **Informal Letter**
   Write a letter to your friend telling him/her about your summer vacation plans.
6. **Report Writing**
   Write a short report on the **Tree Plantation Drive** held in your school.

✨ **Instructions for Students:**

- Attempt all sections neatly in your English HW notebook.
- Illustrate your work with small drawings where possible.
- Revise the grammar rules from your textbook.
- Bring the completed work after holidays for checking.

KENDRIYA VIDYALAYA GUNUPUR

HOLIDAY HOMEWORK

Subjects – Science (Subject code – 086)

Class-VI

Mindful Eating: A path to a healthy body

1. What do you understand by the term mindful eating?
2. Write any three benefits of mindful eating.
3. Why is it important to eat slowly and chew food properly?
4. How can mindful eating help in maintaining good health?
5. Give two differences between mindful eating and mindless eating?
6. Why should we avoid eating while watching television or using a mobile phone?
7. List three good eating habits you follow in your daily life?
8. How does mindful eating help in reducing food wastage?

Exploring Magnets

1. Who discovered the natural magnet? What was it called?
2. List any three uses of magnets in our daily life.
3. Why does a freely suspended magnet always point in the north-south direction?
4. Define magnetic poles. Can we separate the poles of a magnet?
5. What will happen if we break a bar magnet into two pieces? Explain.
6. What materials are attracted by a magnet? Give two examples?
7. Write two differences between temporary magnets and permanent magnets ?
8. How are compass needles useful for sailors and travellers?

The Measurement of Length and Motion

1. What is measurement? Why is it important in our daily life?
2. Name two instruments used to measure length?

3. What precautions should be taken while measuring length with a ruler?

4. Define motion. Give two examples of objects in motion?

5. Differentiate between rectilinear and circular motion with examples?

6. What is periodic motion? Give two examples?

7. Why do we need standard units of measurement?

8. Ramesh wants to measure the length of a curved line. Which instrument should he use?

शरदकालीन अवकाश गृहकार्य
कक्षा-6

- सभी प्रश्न करने अनिवार्य हैं।
- दिए गए प्रत्येक कार्य को स्क्रैपबुक में ही करना सुनिश्चित करें।
- अपनी स्क्रैपबुक को अच्छे से कवर करके लाएं।

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1. महाराणा प्रताप कौन थे? उनके बारे में इंटरनेट या पुस्तकों से जानकारी प्राप्त करके लिखिए।
2. आपको किन-किन बातों पर गर्व(Proud) होता है,लिखिए?
(संकेत - यह बातें आपके बारे में हो सकती हैं, आपके परिवार के बारे में हो सकती हैं और किसी अन्य व्यक्ति,वस्तु, स्थान या प्राणी आदि के बारे में भी हो सकती हैं।)
3. विश्व के मानचित्र पर निम्नलिखित देशों को अंकित करके रंग भरे - भारत,मॉरीशस, केन्या और हिंद महासागर को अंकित करें।
4. भूमध्य रेखा और देशांतर रेखाएं कहाँ होती हैं? पृथ्वी का चित्र बनाकर प्रकट करो और लिखो कि इन दोनों में क्या अंतर है?
5. मिट्टी के किसी भी एक बर्तन में मिट्टी भरकर उसमें राजमा या चने के चार-पांच बीज बो दीजिए... हल्का सा पानी छिड़क दीजिए... तीन से चार दिन तक थोड़ा-थोड़ा पानी डालिए..... और प्रतिदिन उसमें आए बदलावों को अपनी स्क्रैपबुक में लिखिए(ऐसा करते हुए आप प्रतिदिन की एक फोटो भी लें और अंत में उन फोटो को निकाल कर स्क्रैपबुक पर चिपकाएं।)
6. एक बीज को बोने के बाद उसका पौधा बनकर तैयार होने में किन-किन चीजों की आवश्यकता होती है? (सूची बनाकर स्क्रैपबुक में लिखकर लाएं.)