

KENDRIYA VIDYALAYA GUNUPUR

AUTUMN HOLIDAY HOMEWORK

Subjects – SST Class-VII

1. Who were the Janapadas? Describe how they emerged in the 6th century BCE.
2. How did the Mahajanapadas differ from the Janapadas? Explain with suitable examples.
3. Explain the methods used by the rulers of Mahajanapadas to collect taxes. What kinds of taxes were imposed?
4. What were the main features of administration in the Mahajanapadas?
5. Describe the use of fortifications in the Mahajanapadas. Why did rulers build huge walls around their cities?
6. Discuss the importance of agriculture in the growth of Janapadas and Mahajanapadas.
7. How did the rise of new states (Mahajanapadas) affect trade and commerce in ancient India?
8. Describe the importance of capital cities like Rajagriha and Pataliputra in the Mahajanapadas.
9. Compare and contrast the governance of monarchies and republics (gana-sanghas) in the Mahajanapada period.

केन्द्रीयविद्यालय: गुणपुर:

कक्षा – सप्तमी - 7

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 याद करो तथा लिखित अभ्यास करो। परीक्षा हेतु पाठ्यक्रम पाठ संख्या नाम च-
2. धातुरूपलेखनं कण्ठस्थीकरणं च: कुर्वन्तु- / धातुरूप लिखें और याद करें-
लिख्, भू, पठ्, स्था, कृ (पञ्चलकारेषु)
3. शब्दरूपलेखनं कण्ठस्थीकरणं च: कुर्वन्तु- / शब्दरूप लिखें और याद करें-
एतत्, किम् (त्रिषु लिङ्गेषु), नदी, अस्मद्, युष्मद्
4. एकम् तः शतं (1-100) पर्यन्तं सङ्ख्यां लिखन्तु -/ 1-100 तक संस्कृत में संख्याएँ लिखिए-
5. माध्यमिक परीक्षा के प्रश्नपत्र अपने खाते में हल करें।

शरदकालीन अवकाश गृहकार्य कक्षा-7

- ☒ सभी प्रश्न करने अनिवार्य हैं।
 - ☒ दिए गए प्रत्येक कार्य को स्कैपबुक में ही करना सुनिश्चित करें।
 - ☒ अपनी स्कैपबुक को अच्छे से कवर करके लाएं।
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1. "गिरिधर कविराय की कुंडलिया" कविता में दी गई दोनों कुंडलियों को गाकर रिकॉर्ड करके भेजें।
2. आपकी मल्हार पाठ्यपुस्तक की पृष्ठ संख्या 110 और 111 में नृत्य की छवियाँ दी गई है आप उन्हें अच्छे से पढ़िए और पढ़ने के पश्चात नीचे दिए गए मानचित्र (पृष्ठ-112 पर) में विभिन्न राज्यों में किए जाने वाले शास्त्रीय और लोक नृत्य को दर्शाएं।
3. अपने माता-पिता या दादा-दादी से पता करके लिखो कि आपके क्षेत्र में कौन से लोकगीत गाए जाते हैं ? एक लोकगीत को स्कैपबुक में लिखकर आएं।
(संकेत- लोकगीत किसी कवि या गायक के द्वारा नहीं गए जाते बल्कि यह आम जनता के द्वारा ही गाए जाते हैं और ये गीत अक्सर त्योहार, विवाहों या मंगल कार्यों में गाए जाते हैं)
4. अपनी स्कैपबुक में एक साक्षात्कार(Interview) लिखिए। ... आप साक्षात्कारकर्ता की भूमिका निभाएंगे और आप किसी भी प्रसिद्ध खिलाड़ी, गायक या नृत्यकार का साक्षात्कार ले सकते हैं।)
5. "पर्यावरण संरक्षण" या "प्लास्टिक को कहो अलविदा" दिए गए दोनों विषयों पर अनुच्छेद लिखकर आएं।

KENDRIYA VIDYALAYA GUNUPUR
HOLIDAY HOMEWORK
SUBJECT:ARTIFICIAL INTELLIGENCE
CLASS:VII

1. What is Artificial Intelligence?
2. Mention two goals of AI.
3. Define Machine Learning.
4. What is Natural Language Processing (NLP)?
5. Name any two real-world applications of AI.
6. What is the Turing Test?
7. What are intelligent agents?
8. Name two types of AI.
9. Define Deep Learning.
10. What is the difference between AI and human intelligence?
11. What is supervised learning?
12. Define unsupervised learning.
13. What is reinforcement learning?
14. How does AI help in education?
15. What is the role of AI in healthcare?
16. Name two AI programming languages.
17. What is robotics in AI?
18. What is an expert system?
19. Mention two benefits of AI.
20. Mention two limitations of AI.

Prepare A Smart city Model In A4 Sheet

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

1. Ask your grandparents and parents about what kind of school they went to and fun they had. Find out about their teachers, their seating arrangements, the subjects they studied and the activities they did in school. Prepare a short report on the same on your H.W.

2. Suggested movies you can watch during the summer holidays.

- (i) School of Rock
- (ii) Journey to the centre of the earth
- (iii) Gravity

Write summary of any one movie and identify (i) Hero (ii) Heroine (iii) Villain (iv) The funniest character.

3. Write your daily routine in simple present tense.

4. Editing Task

Each line has an error. Write the correct word.

Example: He go to school daily. → He **goes** to school daily.

- (i) The stars shine at the day.
- (ii) She are my best friend.
- (iii) They was playing in the park.
- (iv) We has two pencils.
- (v) I likes mangoes.

5. Fill in the Blanks with Correct Tense

- (i) Ritu _____ (play) in the garden now.
- (ii) We _____ (go) to the zoo yesterday.
- (iii) They _____ (finish) their homework before dinner.
- (iv) If it rains, we _____ (stay) at home.
- (v) She _____ (sing) beautifully.

6. Rearranging Words

Rearrange the words to form correct sentences.

- (i) is / my / this / book / new
- (ii) playing / cricket / children / are / the
- (iii) library / in / many / books / there / are / the
- (iv) dog / faithful / very / is / animal / a
- (v) garden / flowers / the / beautiful / in / are

7. Prepositions Practice

Fill in the blanks with the correct preposition.

- (i) The cat is hiding _____ the table. (under / on / above)
- (ii) He is going _____ school. (to / from / with)
- (iii) We walked _____ the park. (in / into / at)
- (iv) The book is kept _____ the bag. (in / on / of)
- (v) The bird is flying _____ the sky. (over / across / under)

KENDRIYA VIDYALAYA GUNUPUR
AUTUMN BREAK HOLIDAY HOMEWORK
CLASS – VII **SUBJECT – MATHS**

1. Large Numbers Around Us

- Fill in the blanks:** (a) The smallest 5-digit number is _____. (b) The largest 6-digit number is _____.
- Write the numbers below in the Indian place value system and the International place value system:
(a) 3,20,450 (b) 12,85,704 (c) 2,501,096
- The population of five cities is as follows:
Mumbai: 1,24,42,373 Delhi: 1,10,07,835
Kolkata: 44,86,679 Chennai: 46,81,087 Pune: 31,15,431
(a) Arrange these populations in descending order.
(b) How much more is Mumbai's population than Chennai's?
- Create your own "big number" fact from something in your surroundings (for example, number of books in the school, stones in a playground, etc.). Write it as a short paragraph.
- If a person lives 75 years and eats three rice varieties every day, will that person be able to taste all 1 lakh varieties of rice in their lifetime? Show your calculation.

2. A Peek Beyond the Point

- Measure the length of any 2 objects at home (e.g., pencil, key, book) in centimeters and millimeters. Record the measurements in a table.
- Write the following as decimals:
(a) 7 tenths (b) 35 hundredths (c) 408 thousandths
- Convert these to mixed numbers or fractions:
(a) 3.05 (b) 6.274
- Arrange the following in ascending order: 0.85, 0.805, 0.58, 0.005, 1.058.
- If a notebook weighs 252 grams, how many kilograms does it weigh?
If a bag weighs 2.75 kg, express its weight in grams.
- Find two decimal numbers whose sum is exactly 3.5 but are not equal. Show your working.

3. Arithmetic Expressions

- Write three different arithmetic expressions that have the value 20, using only addition, subtraction, multiplication or division.
- Fill in the blank so that both sides are equal:
(a) $15 + \underline{\hspace{1cm}} = 23$ (b) $72 \div \underline{\hspace{1cm}} = 9$
- Story Sums:
(a) Rohit spends ₹18 every day. Write an expression for his weekly expenditure and find its value.
(b) Sharanya buys 12 packets of chips at ₹20 each. Write the expression for the total cost and calculate it.
- If a number is subtracted by 7 and the result is 28, find the number using an arithmetic expression.
- Find all possible combinations of three different whole numbers whose sum is 30. Write at least five combinations.

4. Expressions Using Letter Numbers (Simple Algebra)

- If 'n' denotes the number of days, write an expression for the total cost of a daily bus ticket of ₹15.
- The perimeter of a square is given by $4 \times \text{side}$. If the side is s, write an algebraic expression for the perimeter. Calculate it for $s = 7$ cm.
- Let the price of an apple be 'a' and the price of a banana be 'b'. Write an expression for the total cost of 4 apples and 5 bananas. Calculate the total if $a = ₹12$ and $b = ₹7$.
- The area of a rectangle is ' $l \times b$ '. If the length is l and the breadth is b, find the area for $l = 10$ cm and $b = 4$ cm.
- A rope is folded r times and cut. The number of pieces formed is $r + 1$. Find the number of pieces if $r = 6$.
- Create your own letter-number (algebraic) expressions to solve the following:
 - Find the general rule for the nth term in the sequence: 4, 7, 10, 13, ...

5. Creative Corner

- Make a colorful poster on "The Importance of Large Numbers in Daily Life." Include at least three facts from the textbook and your own illustrations.
- Design a matchstick pattern for the number 20 and show how it looks.

Submit the homework on the first day after the holidays. Have fun exploring mathematics around you!

KENDRIYA VIDYALAYA GUNUPUR

HOLIDAY HOMEWORK

Subjects – Science (Subject code – 086)

Class-VII

Metals and Non-Metals

1. Define metals and non-metals with two examples of each?
2. Write three physical properties of metals?
3. List three differences between metals and non-metals?
4. Why is copper used for making electric wires?
5. Why is aluminium used for making cooking utensils?
6. Name two metals which are so soft that they can be cut with a knife?
7. Which non-metal is essential for our life and why?
8. Give two uses of non-metals in daily life?
9. Write a simple activity to show that metals are good conductors of electricity?
10. Compare metals and non-metals on the basis of malleability and ductility?

Changes Around Us :Physical and Chemical

1. Define physical change with two examples.
2. Define chemical change with two examples.
3. Differentiate between physical and chemical changes (any four points).
4. Is melting of ice a physical or chemical change? Why?
5. Is rusting of iron a physical change or a chemical change? Explain.
6. Why is burning of paper considered a chemical change?
7. Give one activity to show that burning of magnesium ribbon is a chemical change?

8. Why is dissolving sugar in water a physical change?
9. How can rusting of iron be prevented?
10. Write two differences between reversible and irreversible changes with examples.

Adolescence: A Stage of Growth and Change

1. What is adolescence? At what age does it usually begin?
2. Mention any four changes that occur during adolescence.
3. Define puberty.
4. Why is adolescence also called the period of rapid growth and development?
5. Write three differences between primary and secondary sexual characters.
6. Why is maintaining personal hygiene important during adolescence?
7. How does a balanced diet help in proper growth during adolescence?
8. What are hormones? Name the hormones responsible for changes in boys and girls.
9. What role does education and guidance play during adolescence?
10. Write two problems adolescents may face and suggest ways to overcome them.