



KENDRIYA VIDYALAYA, GUNUPUR, GUNUPUR-765022

HOLIDAY HOMEWORK 2026 (Summer Vacation)

CLASS-VII

SUBJECT: Social Science.

1. Describe the major physical divisions of India and explain their main features.
2. Explain the formation and characteristics of the Himalayan Mountains.
3. Describe the northern plains of India and explain their importance.
4. Explain the features of the peninsular Plateau of India.
5. Describe the Indian Desert and Coastal Plains with their important characteristics.

-----XXXXXXXX-----

Holiday Homework Class-VII विषय:- संस्कृतम्
2026

(1) वन्दे भारतमात्मन् पृष्ठा.

(क) पर्वतश्रृङ्गाः कः ?

(ख) आमुदः कस्याः पर्यायं पृथ्वालयति ?

(ग) त्रिवर्णयुतः दलः कुत्र विलसति ?

(घ) दलस्थितः केशवर्णः अस्मान् किं वक्तुं

प्रेरयति ?

(ङ) कृष्णवाग्वाः भारतभूमिं कैः शिञ्जति ?

(च) मेघा दलं यथा शतद्वलरूपं सद्यः विलसति ?

(छ) - सूर्यः कः विना नित्यं सञ्चरति ?

(२) शब्दरूपाणि (व्याकरण)

(क) अकारान्त पुलिङ्गः शब्दः (देवः, रामः)

(ख) अकारान्त पुलिङ्गः शब्दः (देवः, रामः)
(फलम्, मित्रम्)

(ग) आकारान्त पुलिङ्गः शब्दः (मान्, स्मा)

(घ) इकारान्त पुलिङ्गः शब्दः (नदी)

CLASS -VII

- 1 . What are acids and bases, and how do they differ from each other?
2. How can we identify whether a substance is acidic, basic, or neutral?
3. What are some common examples of acidic and basic substances found in our daily lives ?
4. Why is it important to understand the pH of substances?
5. What safety precautions should be taken when dealing with acids and bases?
6. What is electric current and how is it measured?
- 7 .What are the effects of electric current on conductors?
- 8 . How does Ohm's Law relate to electric current?
- 9 . What are the safety precautions to take when working with electric current?
- 10 .What is the difference between direct current (DC) and alternating current (AC)?

KENDRIYA VIDYALAYA GUNUPUR

SUBJECT: MATHEMATICS
SUMMER HOLIDAY HOME WORK

CLASS: VII
SESSION: 2026-27

Do All the Tests and Annexures on different A4 size papers. Marge all papers sequentially and submit the whole in a file/folder.

Attempt all questions.

1. Write the integer that is 3 units to the left of 0 on the number line.
2. Show -3 on number line ?
3. Arrange :0,-5 ,4,-1 in ascending order.
4. How many factors does a prime number have?
5. Identify : prime or composite numbers - 1,2,3,4,5,6.
6. Write the prime factorization of - 12 and 20
7. Write a fraction equivalent to $\frac{1}{3}$.
8. Add : $\frac{2}{5}$ and $\frac{3}{5}$
9. Which is greater $\frac{1}{2}$ or $\frac{1}{3}$?
10. Write the place value of 7 in the number 3,74,256.
11. Which is greater — 1,908,675 or 1,809,765?
12. How many zeros are there in one lakh?
13. Identify odd and even numbers from: 12, 17, 24, 31.
14. Find the next number in the pattern: 5, 10, 15, ____ .
15. Which number is known as Kaprekar's Constant.
16. Draw a line AB and a line segment PQ.
17. Identify the type of angle : 75° , 120° , 250°
18. How many right angles are there in a straight angle?

The following data shows the number of books read by 5 students in a month:

Students	Books
A	2
B	5
C	3
D	4
E	2

Answer the following:

19. Who read the maximum number of books?
20. How many students read 2 books?

ANNEXURE-1

TOPIC:INTEGERS

1. Mark -3 , -10 , +10 on number line .
2. Write the numbers between a) -2 and +4 b) -5 and +5
3. Find the solution using number line
 - a) $(+11) + (+6)$ b) $(-11) + (-6)$ c) $(-2) - (+10)$
4. Solve using Tokens
 - a) $(+7) + (+2)$ b) $(-6) + (-3)$ c) $(+5) + (-9)$ d) $(+10) - (+4)$
 - e) $(-9) - (-4)$ f) $(-5) - (-7)$ g) $(+3) - (+15)$ h) $(-2) - (+7)$
5. Temperature changed from -3°C to 5°C . What is the change?

ANNEXURE-2

TOPIC:PRIME FACTORISATION

1.Find Prime factors of given numbers: 50 , 72 , 120

2. Find all the prime numbers from 1 to 50.

3. Write down first 5 common multiples of following numbers and then find LCM

a) 4 and 8

b) 5 and 10

c) 6 and 9

4. Find all the common factors of following numbers and then find HCF

a) 20 and 35

b) 8,12,24

c) 5,15,25

5.Which of the following pairs are coprime?

a) 15 and 45

b) 30 and 69

c) 17 and 84

ANNEXURE-3

TOPIC:FRACTIONS

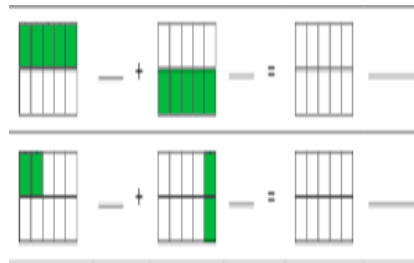
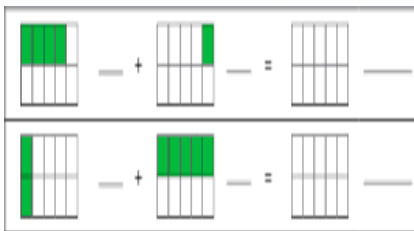
1. Write the 3 equivalent fractions in each case .

a) $\frac{2}{7}$ b) $\frac{11}{3}$ c) $\frac{1}{100}$ d) $\frac{25}{6}$

2. Add and shade the total parts in the answer picture. Write the addition sentence.

a)

b)



3. Find

a) $\frac{3}{10} + \frac{4}{10} + \frac{5}{10}$ b) $\frac{9}{4} + \frac{7}{3}$ c) $\frac{5}{9} - \frac{2}{9}$ d) $\frac{23}{3} - \frac{18}{5}$

4. Arrange in ascending order : a) $\frac{7}{10}$, $\frac{11}{15}$, $\frac{2}{5}$ b) $\frac{5}{6}$, $\frac{12}{18}$, $\frac{8}{9}$

5. Michael finished colouring a picture in $\frac{7}{12}$ hour. Vaibhav finished colouring the same picture in $\frac{3}{4}$ hour. Who worked longer? By what fraction was it longer?

ANNEXURE-4

TOPIC:DATA HANDLING

1. Represent data by a Bar graph. Consider average marks of the students in four sections of class VII in maths.

CLASS	Marks
7A	45
7B	40
7C	36
7D	42

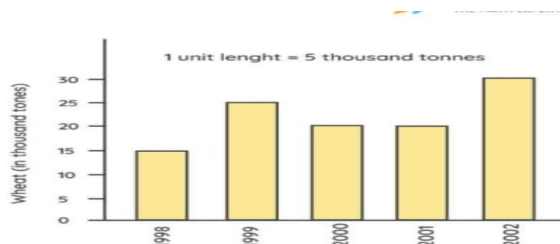
2. Compare marks of Meena and Raju in 5 subjects using a Double bar graph .

Subject	Meena	Raju
Maths	40	40
English	35	42
Science	38	40
SST	30	36
Hindi	42	44

3. Collect data of : Runs scored by two Indian cricket players in last 5 matches. Draw double bar graph.

4. Following graph shows the wheat production from 1998-2002. Study the graph and answer the questions :-

- a) In which year ,wheat production is maximum ?
- b) In which year ,wheat production is minimum ?



5. Which bar graph (a graph with vertical bars or a graph with horizontal bars) would you use to represent :

- i) Height of mountains
- ii) Length of rivers

ANNEXURE-5

TOPIC:LARGE NUMBERS

1. Compare the following numbers.

- (i) 75462 and 73567 (ii) 54329 and 54399 (iii) 333375 and 33377

2. Find the sum of place value and face value of

- (i) 8 in 43836 (ii) 6 in 56412 (iii) 2 in 53217

3. Place commas correctly and write numerals in Indian and International System.

- (i) Four lakh seventy five thousand three hundred six.
(ii) Three crore five lakh forty two

4. Use the given digits without repetition and make the greatest and smallest 4 digits number.

- (i) 2, 8, 7, 4 (ii) 9, 7, 4, 1 (iii) 4, 7, 5, 0

5. Write the number names in Indian System .

- i) 3,45,678 ii) 10, 04,567 iii) 8,00, 15,001

ANNEXURE-6

TOPIC: NUMBER PLAY

1. Find parity : a) $15 + 21$ b) $77 - 12$ c) 11×4 d) 25×20
2. Find the next three Virahanka numbers: 34,55,89 ,---,---,---
3. What is the sum of the smallest and largest 5-digit palindrome? What is their difference?
4. How many rounds does your year of birth take to reach the Kaprekar constant?
5. Find the value of each letter in the following cryptarithm.

$$\begin{array}{r} \text{UT} \\ + \text{TA} \\ \hline \text{TAT} \end{array}$$

ANNEXURE-7

TOPIC: LINES AND ANGLES

1. Fill in the blanks:

- Two parallel lines never _____.
- Acute angle is less than ____ and more than ____.
- Perpendicular lines intersect at ____ angle.

2. Draw parallel and perpendicular lines.

3. Draw angles of following measures : 120° , 50° , 90° , 75°

4. Identify parallel lines and perpendicular lines in your house .

5. The hands of a clock make different angles at different times. What will be the angle at

i) 3 o'clock

ii) 6 o'clock

कक्षा 7: हिंदी ग्रीष्मकालीन गृहकार्य

व्याकरण महारत और लेखन का महा-अभ्यास | सत्र: 2026-27

सूचना: यह बहुत ज्यादा काम है! प्रतिदिन 2-3 पेज लिखने का अभ्यास करें।

भाग 1: व्याकरण का महा-जाल

1. संज्ञा और सर्वनाम का सघन अभ्यास

- संज्ञा:** व्यक्तिवाचक, जातिवाचक और भाववाचक संज्ञा के 40-40 उदाहरण ढूँढकर लिखें।
- सर्वनाम:** सर्वनाम के सभी 6 भेदों की परिभाषा और प्रत्येक के 15-15 वाक्यों में प्रयोग करें (कुल 90 वाक्य)।

2. विशेषण और क्रिया (150+ कार्य)

- विशेषण:** 100 विशेषण शब्द लिखें और उनके साथ उचित विशेष्य (Noun) जोड़ें (जैसे: 'नीला' आकाश)।
- क्रिया:** सकर्मक और अकर्मक क्रिया की पहचान के लिए 50 वाक्यों का अभ्यास करें।

3. संधि, लिंग और वचन

- संधि:** दीर्घ, गुण और वृद्धि संधि के 20-20 उदाहरण विच्छेद सहित लिखें।
- वचन और लिंग:** 100 शब्दों के वचन बदलें और 100 शब्दों के लिंग बदलकर लिखें।

भाग 2: शब्द भंडार और मुहावरे

4. महा-शब्दकोश (Mega Dictionary)

प्रतिदिन नीचे दिए गए कार्यों को पूरा करें:

5 पर्यायवाची शब्द

5 विलोम शब्द

5 मुहावरे (अर्थ सहित)

5 वाक्यांशों के लिए एक शब्द

कुल परिणाम: 60 दिन में 1200 नए शब्दों का ज्ञान।

भाग 3: रचनात्मक लेखन

5. पत्र और निबंध लेखन (बहुत सारा काम)

- पत्र लेखन:** 10 औपचारिक पत्र (प्रधानाचार्य/नगर निगम) और 10 अनौपचारिक पत्र (मित्र/परिवार)।
- निबंध:** निम्नलिखित 5 विषयों पर 250 शब्दों के निबंध लिखें:
 - मेरा विद्यालय
 - समय का मूल्य
 - मोबाइल के फायदे-नुकसान
 - जल ही जीवन है
 - मेरा प्रिय अध्यापक।
- कहानी लेखन:** 'लालच का फल' और 'एकता में बल' पर दो बड़ी कहानियाँ लिखें।

60-दिवसीय दैनिक चेकलिस्ट

हफ्ता	विषय	दैनिक लक्ष्य
1-3	व्याकरण (संज्ञा-विशेषण)	2 पेज व्याकरण अभ्यास
4-6	संधि और वाक्य	1 पेज संधि + 10 वाक्य निर्माण
7-8	लेखन कौशल	1 पत्र या 1 निबंध प्रतिदिन
9	शब्दकोश और सुलेख	20 नए शब्द + 1 पेज सुलेख

"लिखने से ही हाथ साफ होगा और भाषा सुधरेगी। काम पूरा करके ही दम लें!"

HOLIDAY HOMEWORK
CLASS VII
SUBJECT- ENGLISH
SECTION A- READING (15 MARKS)

Q1. Read the passage given below carefully:

[8 Marks]

I like the Ferris wheel very much but I don't seek one out because of the enjoyment I get when I ride one. I like them as they are very calming. While I am at the top of a Ferris wheel, I can see lovely sights all around. I also get a sense of calmness as I find myself away from the commotion below. Furthermore, the beauty of Ferris wheels is very elegant when they are lit up at night.

George Washington Gale Ferris, Jr is credited to design the first Ferris wheel. It is named after him. He designed it in 1893 for the Chicago World's Fair. With a height of 264 feet, it was the tallest attraction in the fair. Everyone whosoever saw it was enthralled not only by its huge size but also by the mechanism used to operate it. During that period, anything not turned by hand was considered a sight to see. And the wheel, which was a machine, was truly unbelievable to see. Further, according to one of the visitors, it was amazing since it seemed to have no support.

It seemed that it could not stand on its own. However, it did and even rotated. Ferris wheel technology has developed a lot since then. Most Ferris wheels used nowadays are much larger than the first ones. The largest Ferris wheel in the world is the Singapore Flyer. It stands somewhat taller than twice Ferris did!

On the basis of the passage given above answer the questions follow:

- i) When is the beauty of the Ferris wheel elegant? 1
- ii) Who designed the first Ferris wheel? 1
- iii) In which year the first Ferris wheel was designed? 1
- iv) Why does the writer like the Ferris wheel? 1
- a) For his enjoyment purpose b) It has calming effect
- c) It has best technology d) It is one of the tallest thing
- v) Which is the largest Ferris wheel in the world? 1
- a) Canada Flyer b) Dubai Flyer
- c) Singapore Flyer d) Chicago Flyer
- vi) People were amazed by the Ferris wheel because of..... 1
- a) Huge size b) Mechanism it used to operate
- c) Both 'a' and 'b' d) Only 'a' option
- vii) Why was, according to one of the visitors, the Ferris wheel amazing? 1
- a) it seemed to be big in size b) it seemed to be elegant
- c) it seemed to be in Chicago d) it seemed to have no support
- viii) Find out the synonym of '**disturbance.**' (para 1) 1
- a) calm b) enjoyment
- c) commotion d) elegant

Q2. Read the passage given below:

[7 Marks]

Humour greases all tough situations. One who has humour can sail through any conflict. It saves you from humiliation. It brings everyone together, while humiliation tears them apart. In a society torn with humiliation and insult, humour is like a breath of fresh air. It should be coupled with care and concern. It can keep the spirit high, yet if overdone it leaves a bad taste. Humour without wisdom is shallow. Humour without sensitivity is satire—it comes back to you with more problems. It is used in the following ways.

How does one cultivate a sense of humour? It is not just words; it is the Lightness of your being. You do not have to read and repeat jokes. Humour can be cultivated by taking life not too seriously, having a sense of belongingness with everybody, including those who are not friendly, practising yoga and meditation, having unshakable faith in the Divine and in the laws of Karma, being in the company of those who live in knowledge and are humorous.

i) What can save you from humiliation?	1
ii) How is humour used by the intelligent?	1
iii) Write two things through which we can cultivate a sense of humour _____	2
iv) What is the result of excessive humour ?	1
a) it leaves a bad taste. b) lightness of your being. c) to escape from responsibility d) it saves you from humiliation.	
v) What are the characteristics of a humorous person?	1
a) serious, shallow b) cheerful, positive c) sensitive, shy d) sad, negative	
vi) Find out the antonym of 'fool' from the above passage.	1
a) cruel b) wise c) irresponsible d) wicked	

Q3 (A). You are Arun/Areeba of class VII of Mount Carmel School,Kanpur.Write a letter to the Principal of your school requesting to organise a visit to the museum in about 60-80 words.

(B) You are Sana/Shubham of class VII of Bal Bharti Public School, Dalhousie. You were moved by the sacrifices soldiers make for us. Write a letter to a soldier thanking them for their continued service to the nation in about 80-100 words.

[4 Marks]

- Q5. Do as directed and write the correct answers in your answer sheets.**

i) Fill in the blank with the correct form of the verb.
The little bird..... (fly) away the window. 1
a. fly b)flew c)flown d)flows

ii) Fill in the blank with appropriate articles (a/an/the). 1
My brother studies in University.

iii) Identify the main clause from the following sentence. 1
This is the place where I was born.

iv) Fill in the blanks by choosing the words given in the brackets that collocate appropriately. 1
Chitra is a very..... (heroic/adventurous) person and enjoys mountain climbing.

v) Use the phrases given below and complete the following sentences. 1
The thieves through the back door.(broke in / break in /broke off)

vi) Fill in the blank in the given sentence by adding correct prefixes. 1
It is to cross the road during peak traffic hours. (possible)
a) impossible b) impossible
c) impossible d) possibly

vii) Fill in the blank with suitable conjunctions. 1
_____ Deepa reached home, she called to let me know. (Unless/ As soon as)



KENDRIYA VIDYALAY GUNUPUR

SESSION - 2026-27

SUMMER HOLIDAYS HOMEWORK

CLASS - VI to X

Note - Write all the answer in your HW notebook.

MUSIC / DANCE / ART

1. Write about the Devadasi and Gotipua dance traditions.
2. Design traditional dress of Maharashtra (on chart paper).
3. Describe briefly Indian and Western musical instruments.
4. Create a short musical composition using household items (record a video or audio clip).
5. Prepare a musical project of your choice (e.g., song, dance, or instrument).
6. Write the National Anthem (10 lines) neatly in a notebook.
7. Practice singing a simple song of your choice for 5–10 minutes daily.

HOLIDAY HOME WORK

SUBJECT: AI

CLASS:VII

Competency Based Questions

Q1- Choose the correct answer- [8]

- 1) Users' regular browsing habits together makes his/her _____.
a) Browser fingerprinting b) Browsing signature c) Both a and b d) None of these
- 2) The term Artificial Intelligence was first coined by whom ? a) John McCarthy b) Tim Berners Lee c) Charles Babbage d) Bill Gates
- 3) Which of the following capabilities is a challenge to develop in machines?
a) Retain facts as knowledge b) Recall the knowledge c) Think, analyse and apply logic d) All of these
- 4) What makes humans intelligent is their ability to _____. a) Sense
b) Think
c) Reason d) Read
- 5) Reasoning has broadly two types-deductive and _____. a) Addictive b) Inductive
c) Logical d) Calculative
- 6) Machine with _____ intelligence works in a limited functional area.
a) Narrow b) Weak
c) Both a and b d) None of these
- 7) Machines with strong intelligence are able to retain _____. a) Data b) Learning
c) Language d) Skill
- 8) A self- driven car is an example of which of the following? a) Reactive machines b) Theory of mind c) Limited memory d) Self- awareness

Q2- Fill in the blanks- [8]

- 1) The ability of a machine to think and _____ is called artificial intelligence.
- 2) An AI machine is supposed to retain the facts as _____. 3) An AI machine should be able to upgrade its _____ to use the retained learning.
- 4) In _____ reasoning, the facts are analysed and guarantee a conclusion.
- 5) _____ AI performs a dedicated assigned task. 6) _____ AI applies retained knowledge to solve new problems. 7) Machines based on theory of mind are capable of interacting _____.
- 8) An AI machine playing a strategy game against human is a _____ machine.

Q3- True or False- [4]

- 1) The purpose of sensing is determined by the intelligence.
- 2) Generalised learning is easier for machines to implement.
- 3) Generalised AI is capable to solve the problem by learned experience.
- 4) A reactive machine is the most intelligent of all.

Short/ Long Questions

Q4- Answer the following questions- [12]

- 1) What is Artificial Intelligence?
- 2) Who is known as the father of AI?
- 3) What do you mean by browser fingerprinting?
- 4) What do you mean by deep learning?

Q5- Long Answer- [8]

- 1) Explain the types of AI.
- 2) Write a brief note on reinforced learning.