

**KENDRIYA VIDYALAYA GAIL VIJAIPUR**  
**SUMMER VACTION HOLIDAY HOME-WORK 2025-26**  
**CLASS IX**

**SUBJECT – ENGLISH**

**(1) DESCRIPTIVE PARAGRAPH**

(i) You recently visited a Children's Park, a favourite place for all children, in your city. Write a description of the park in 100-150 words.

(ii) One of your friends, Raman, is very gentle and polite to you. You regard him as your best friend. Describe him in 100-150 words.

**(2) STORY WRITING**

Write a short story with the help of the cues given below. Give a suitable title to the story.

(i) You encountered two strange people. They were different from normal human beings but they were quite interesting and exciting. As Amit/Manisha, using your ideas, write a story in about 150-200 words narrating your experience with them.

(ii) Going to Mumbai by train to attend marriage of a friend .... got stuck in a traffic jam ..... reached the railway station late ..... boarded a wrong train ..... realised after two hours .... now you ... ..

(4) Revise all the chapters and prepare for your PT-1

**Focus on Important characters and main points of the story**

**SUBJECT – HINDI**

- क्षितिज पाठ्यपुस्तक के काव्य खण्ड से कबीर की “साखियाँ एवं शब्द” हिंदी भावार्थ लिखें व प्रश्नोत्तर याद करें ।
  - क्षितिज पाठ्यपुस्तक के गद्य खण्ड से “दो बैलों की कथा” एवं “ल्हासा की ओर” के प्रश्नोत्तर याद करें ।
  - किसी भी एक कवि का जीवन परिचय देते हुए उसका साहित्यिक परिचय लिखें ।
  - जिस कवि का उल्लेख कर रहे हो उसकी प्रमुख रचनाओं के बारे में लिखें ।
  - वर्तमान समय में ग्लोबल वार्मिंग स्थिति पर एक अनुच्छेद लिखें।
  - अपने छोटे भाई को जो पढ़ाई के लिए घर से दूर रहता है उसे अपने स्वास्थ्य के बारे में सचेत करते हुए एक पत्र लिखिए ।
  - विद्यालय के हिंदी पखवाड़ा कार्यक्रम पर अपने दोस्त के साथ एक संवाद लिखिए।
  - एक प्रोजेक्ट फ़ाइल ( पोर्टफोलियो ) का निर्माण करें।
- (नोट- गृहकार्य में लिखने वाला कार्य स्टिक वाली फाइल में A4 आकार वाले पृष्ठों पर करें एवं पोर्टफोलियो के लिए ऑफिस फाइल का प्रयोग करें।)

**SUBJECT – MATHEMATICS**

**Instructions for Submission:**

- Use Homework note for solving and don't write solutions from the google/internet.
- Graphs must be drawn on proper graph paper (if required).
- Submission Date: First day after summer vacation.
- All work must be handwritten.
- Marks will be awarded for neatness, completeness, and creativity.
- If any question is not clear students can leave that question or ask to me on WhatsApp.

1. Classify the following as rational or irrational numbers:

$$\sqrt{2}, 1.5, 0.333..., \sqrt{49}, \pi, -\frac{3}{4}$$

2. Write five rational numbers between:

(a) 1 and 2

(b) -1 and 0

3. Represent  $\sqrt{3}$  and  $\sqrt{5}$  on the number line using geometrical construction. (Use compass and scale.)

4. Write the decimal expansions of:

(a)  $\frac{1}{8}$

(b)  $\frac{22}{7}$

(c)  $\frac{1}{3}$

And State whether the decimals are terminating or non-terminating recurring.

5. Create a table showing five irrational numbers and explain how each is identified as irrational.

6. Without actual division, state whether the decimal representation of the following will terminate or not:

(a)  $\frac{7}{20}$

(b)  $\frac{23}{90}$

(c)  $\frac{5}{16}$

(d)  $\frac{4}{11}$

7. True or False (with reason):

(a)  $\sqrt{2}$  is a rational number.

(b) Every real number is either rational or irrational.

(c) The product of two irrational numbers is always irrational.

8. Express the following as a rational number in  $\frac{p}{q}$  form:

(a) 0.666...

(b) 1.272727...

(c) 0.818181...

9. Insert three irrational numbers between  $\sqrt{2}$  and  $\sqrt{3}$

10. On the number line, mark the positions of:

0, 1,  $\sqrt{2}$ ,  $\sqrt{4}$

### SUBJECT - SCIENCE

Note: - Complete the holiday homework in your science notebook, no need to make an extra notebook for home assignment.

Q1. Write the names and **symbols of elements** up to atomic number 30.

Q2. Write the names and **symbols of various ions** given in your NCERT text book.

Q3. **Write a note** on "FUNDAMENTAL UNIT OF LIFE"

Q4. Prepare 20 MCQs from the chapter "Matter in our surrounding" & "fundamental unit of life"

Q5. Make a chart on **any three** of the following:

(a) Various cells from the human body

(b) Animal cell

(c) Plant cell

(d) Section of a stem

(e) Various types of simple tissues in plants (Parenchyma, Collenchyma and Sclerenchyma)

(f) Types of complex tissues in plants.

(g) Types of connective tissues in animals (types of blood cells, compact bone, hyaline cartilage, areolar tissue and adipose tissue)

(h) Types of muscle fibers in animals (striated muscle, smooth muscle, cardiac muscle)

Q6. What are the main functions of each of the following components?

- a) Plasma membrane
- b) Mitochondria
- c) Nucleus
- d) Ribosome's

Q7. Name

- a) An organelle which has its own genetic material
- b) An organelle rich in digestive enzymes.
- c) Nucleic acid present in nucleus.

Q8. Compare in tabular form the properties of solids, liquids and gases with respect to

- i) Shape
- ii) Volume
- iii) Compressibility
- iv) Diffusion
- v) Fluidity or rigidity

### SUBJECT – SOCIAL SCIENCE

1. 5 th June environment day activity with yourself pictures do in social science notebook
2. make a project on disaster management in group or individually
3. Make map booklet -India political and physical, Europe political map, world map political and France political map .do all map from cbse syllabus class 9th
4. French Revolution, story of village palampur, India size and location, what is democracy and why democracy (frame 20-20 questions mcq from each chapter in social science notebook
5. Revise all the chapters for PT-1 which have completed in class.

### SUBJECT – COMPUTER SCIENCE

#### 1. AI Quiz Challenge (Group/Family Activity)

**Task:** Create a short quiz (5–10 questions) about AI facts and conduct it with family or friends.

**Output:** Quiz sheet with questions and answers.

**Objective:** Fun, social learning that builds research skills.2. AI and Robotics

#### 2. AI and the Environment – How Can AI Help?

**Task:** Research how AI is being used for environmental protection (e.g., predicting forest fires, saving water) and write a short report.

**Output:** A one-page report with an optional drawing or graph.

**Objective:** Combines science, technology, and environmental awareness.

### SUBJECT – ARTS & CRAFT

1. Using recycled materials, design and create a beautiful mandala artwork by transforming the waste cardboard or packing cardboard into stunning pieces of art, showcasing your creativity.”
2. Create two traditional Indian art pieces, a Madhubani and a worldly artwork.”
3. “Make a project file with Artistic Flare.

### **SUBJECT – MUSIC**

1. Learn alankars with this video by the help of this picture of reed board.
2. Learn Congo beat with this video by the help of congo or some plates.
3. Best out of waste (make instruments like guitar, tabla, dhol etc).
4. Learn 2 community songs.
5. Paste some pictures of a folk dances with the name of their states.
6. Listen to the folk song and music of any country whose name starts with the first letter of your name and paste some of its photos in your copy.

Video link for Alankars: [https://youtu.be/N\\_QgRfRIRVM](https://youtu.be/N_QgRfRIRVM)

Video link for Congo: <https://youtu.be/7DDYYLgeY9o>

### **SUBJECT – WE**

1. Help your parents/grandparents in their work and Write its report on weekly basis.
2. Take care of plants/trees and Write its report on weekly basis.
3. Do cleanliness work at least one hour in a week and Write its report on weekly basis.