

ग्रीष्मावकाश गृह कार्य  
कक्षा - 9वीं  
विषय - हिन्दी

गृह कार्य

1. व्याकरण कार्य

निम्न विषयों की परिभाषा एवं 10-10 उदाहरण लिखिए -

उपसर्ग, प्रत्यय, समानार्थी शब्द, संज्ञा, सर्वनाम, निपात, मुहावरे, विराम-चिह्न।

2. मुहावरे

किसी पुस्तक या समाचार-पत्र से 20 मुहावरे खोजकर उनके अर्थ लिखिए।

3. अनुच्छेद लेखन

निम्न विषयों में से किसी तीन पर लगभग 120 शब्दों में अनुच्छेद लिखिए -

मेरा विद्यालय।

आधुनिक शिक्षा में डिजिटल बोर्ड का योगदान।

पर्यावरण संरक्षण।

समय का महत्व।

4. अनौपचारिक पत्र

निम्न विषयों पर दो पत्र लिखिए -

मित्र को ग्रीष्मावकाश में घर बुलाने हेतु पत्र।

पिता जी को परीक्षा परिणाम बताने हेतु पत्र।

5. संवाद लेखन

“मोबाइल फोन के लाभ और हानि” विषय पर संवाद लिखिए।

6. दृश्य/घटना चित्र-लेखन

“रेलवे स्टेशन” अथवा “विद्यालय प्रार्थना सभा” का चित्र बनाकर 100 शब्दों में वर्णन लिखिए।

7. प्रतिदिन एक पृष्ठ सुंदर लेख लिखें तथा 5 नए हिंदी शब्द याद करें।

— हिन्दी विभाग



SUMMER VACATION HHW 2026-27

Class IX – English

**A. Reading Section**

Read the following stories:

1. Winds of Change
2. Vitamin-M
3. The World of Limitless Possibilities

Write:

- \* Author
- \* Main Characters
- \* Summary (150 words)
- \* Your Favourite Character and Why

**B. Literature Activities**

Poetry Reflection (80–100 words each)

Choose any two poems from Kaveri and write:

- \* Theme/Message
- \* Character Sketch of one character
- \* Five New Words with Meanings
- \* One Value Learnt from each poem

**C. Writing Skills**

1. Diary Writing (100–120 words each)

Write any three diary entries on:

- \* A Memorable Summer Day
- \* A Visit to Grandparents
- \* A Day without Mobile Phones
- \* Helping Someone in Need

2. Article Writing (150–200 words)

Write an article on any one topic:

- \* Importance of Discipline
- \* Social Media: Boon or Curse
- \* Healthy Lifestyle for Teenagers
- \* Save Water, Save Life

**D. Grammar Practice**

Revise the following topics and write 10 sentences/examples of each:

- \* Tenses
- \* Modals
- \* Subject–Verb Agreement
- \* Reported Speech
- \* Determiners

VB - 28  
RP Jam

**SUMMER BREAK – HOMEWORK**  
**HISTORY, CIVICS, ECONOMICS**  
**CLASS- IX**

1. Prepare MCQ's on topics covered in History ( Chapter – 1 & 2 - 30 questions each), Civics ( Chapter – 1 - 20 questions each).
2. Make a project on Indus Valley Civilisation covering main features of the civilisation. Project should be of 15 – 20 pages. You can add information and data through charts, pictures etc.
3. Revise the topics covered till 16 May 2026.
4. Get New Book of Social Science, revise topics covered till 16 May 2026 and complete Exercise part of topics covered.
5. Read any book of your choice on History of India and write a book review.
6. Prepare for Pre Mid Term Exam as discussed in class. Syllabus is all topics covered before 16 May 2026.

**GEOGRAPHY HOME WORK**

A. Prepare project on the topics given below as per your Roll Nos / Class Sr No.

<b>ROLL NUMBERS</b>	<b>TOPICS</b>
1 to 10	Prepare a detailed project on <b>Glacial Lake Outburst</b> - covering the following heads- Meaning, causes, effects, preparedness and mitigation strategies.
11 to 20	Prepare a detailed project on <b>Landslides</b> - covering the following heads- Meaning, causes, effects, preparedness and mitigation strategies.
21 to 30	Prepare a detailed project on <b>Avalanches</b> - covering the following heads- Meaning, causes, effects, preparedness and mitigation strategies.
31 till last	Prepare a detailed project on <b>earthquake</b> - covering the following heads- Meaning, causes, effects, preparedness and mitigation strategies.

**NOTE** : i. Project to be in 12-15 A4 size sheets.

ii. Use as much as diagrams, maps, pictures in making of your project.

iii. All the students to prepare chart / collage on thick chart paper for the above given topics.

B. Prepare 30 Multiple choice questions from Chapter 1 – Shaping of the earth's surface.

C. Revise and learn thoroughly Ch 1 - Shaping of the earth's surface for Pre-Mid Term test scheduled after summer vacation.

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**SUMMER VACATION HOMEWORK 2026-27**

**Class- IX**  
**(Physics)**

1. Complete notes of chapter motion and do all back exercise numericals in notebook
2. Graph Work: Draw and explain and importance:
  - Distance-Time Graph (Uniform motion)
  - Distance-Time Graph (Non-uniform motion)
  - Velocity-Time Graph (Uniform acceleration)
3. Application-Based Questions
  - Why do we use seat belts in vehicles?
  - Why is acceleration important in daily life?
  - Why does a moving bus feel different when it suddenly stops?
  - Give examples of motion in your daily life.

*RS*  
*Pou*

**Chemistry**

1. Write any 10 examples of each of the solutions, colloidal solution and suspension. Write the separation technique used to separate the constituents and write the principle behind its separation.
2. Draw the diagram showing the separation using the separating funnel, fractional distillation and simple distillation .
3. Do the above questions in the chemistry class work notebook.
4. Diagram should be made with pencil and should be properly labelled.

*RS*

**SAINIK SCHOOL KUNJPURA, KARNAL**

**HARYANA**

**SUMMER VACATION HOLIDAYS HOME WORK 2026-27**

**SUBJECT: BIOLOGY**

**CLASS 9<sup>TH</sup>**

**Q1. Explain the Cell Theory in detail.**

**Include:**

- **Discovery of cell by Robert Hooke**
- **Contributions of Matthias Schleiden, Theodor Schwann and Rudolf Virchow**
- **Main postulates of Cell Theory**
- **Importance of Cell Theory**

**Q2. Explain why cell is called the structural and functional unit of life.**

**Your answer should include:**

- **Definition of cell**
- **Structural role of cells**
- **Functional role of cells**
- **Examples from plants and animals**

**Q3. Describe the structure and functions of plasma membrane.**

**Include:**

- **Structure of plasma membrane**
- **Selective permeability**
- **Diffusion**
- **Osmosis**
- **Endocytosis and exocytosis**

**Q4. Explain osmosis with a suitable experiment.**

**Include:**

- **Definition of osmosis**
- **Raisin experiment or potato osmometer experiment**
- **Observation**
- **Conclusion**
- **Importance of osmosis in living organisms**

**Q5. Differentiate between diffusion and osmosis in detail.**

**Compare on the basis of:**

- **Definition**
- **Medium required**
- **Movement of particles**
- **Importance**
- **Examples**

**Q6. Explain the structure of plant cell with a neat labelled diagram.**

**Include:**

- **Cell wall**
- **Plasma membrane**
- **Cytoplasm**
- **Nucleus**
- **Chloroplast**
- **Vacuole**
- **Mitochondria**

**Q7. Describe the structure of animal cell with labelled diagram.**

**Include:**

- **Plasma membrane**
- **Cytoplasm**
- **Nucleus**
- **Lysosomes**

- Centrosome
- Vacuoles

**Q8. Differentiate between plant cell and animal cell in detail.**

**Compare:**

- Shape
- Cell wall
- Plastids
- Vacuoles
- Centrosome
- Nutrition

**Q9. Explain the structure and functions of nucleus.**

**Include:**

- Nuclear membrane
- Nucleolus
- Chromosomes
- Genes
- Role in heredity and cell activities

**Q10. Explain the structure and functions of mitochondria.**

**Why are mitochondria called the “powerhouse of the cell”?**

**Q11. Describe the structure and functions of Endoplasmic Reticulum and Golgi Apparatus.**

**Include:**

- Rough ER
- Smooth ER
- Protein synthesis
- Lipid synthesis
- Packaging and secretion

**Q12. Explain the role of lysosomes and ribosomes in a cell.**

**Include:**

- Intracellular digestion
- Protein synthesis
- Why lysosomes are called suicidal bags

**Q13. Describe different types of plastids found in plant cells.**

**Include:**

- Chloroplast
- Chromoplast
- Leucoplast
- Functions of each plastid

**Q14. Explain how substances move across plasma membrane.**

**Include:**

- Diffusion
- Osmosis
- Active transport
- Passive transport

**Q15. Explain the significance of multicellular organization in higher organisms.**

**Include:**

- Division of labour
- Tissue formation
- Organ systems
- Better survival and efficiency

**Q16. Why is nucleus considered the control centre of the cell? Explain in detail.**

**Q17. Explain the importance of cell division in living organisms.**

**Q18. Describe how different cell organelles work together to maintain life activities.**

**Q19. Explain why plant cells possess cell wall while animal cells do not.**

**Q20. Write a detailed note on chromosomes and genes and explain their role in heredity.**

## SECTION B – DIAGRAM PRACTICE

Draw neat labelled diagrams of:

1. Plant Cell
2. Animal Cell
3. Nucleus
4. Mitochondria
5. Chloroplast
6. Golgi Apparatus
7. Endoplasmic Reticulum
8. Osmosis Experiment
9. Chromosome Structure
10. Onion Peel Cell

Prepare a Handwritten Project Report (5–8 Pages)

Choose Any One Topic:

1. Cell – Structure and Functions
2. Discovery of Cell and Cell Theory
3. Plant Cell vs Animal Cell
4. Cell Organelles and Their Functions
5. Importance of Cell Division
6. Journey from Single Cell to Multicellular Organisms

Project Report Must Include:

- Cover Page
- Acknowledgement
- Index
- Introduction
- Detailed Explanation
- Diagrams and Illustrations
- Interesting Facts
- Applications in Daily Life
- Conclusion
- Bibliography

### HIGHER ORDER THINKING QUESTIONS (HOTS)

Q1. Why are cells considered the basic unit of life?

Q2. Why is plasma membrane called selectively permeable membrane?

Q3. Why are mitochondria called semi-autonomous organelles?

Q4. How does multicellular organization improve efficiency in organisms?

Q5. Why do plant cells need chloroplasts while animal cells do not?

AY: AY

MR: MR

SAINIK SCHOOL KUNJPURA

CLASS: IX

SUBJECT : MATHEMATICS

ASSIGNMENT FOR SUMMER VACATION

- 1) To revise the chapters 2 and 3 from ncert text book Ganita Manjari. Also to solve 20 questions from these chapters from any reference book in a separate note book .
- 2) To make a project on the life of three famous Indian Mathematician and about their contribution in the field of Mathematics.
- 3) To make a square root spiral
- 4) To make a chart on number system.

