

Summer Vacation Holiday Homeworks (Session – 2026-27)

Std. – IX

Subject – English

Q.1. You are Rohan/Rohini, the Head Boy of Modern Public School. Your school is going to organize an Inter House Quiz Competition. Draft a notice inviting the students to participate in it in not more than 50 words. Add necessary details.

Q.2. Imagine yourself as Harshit/Harshita, a resident of Mayur Vihar. You are very much concerned about the scarcity of water in your city. Write a letter to the Editor of a national daily expressing your concern regarding the issue. Suggest some solutions to the problem.
(Word limit – 120–150 words)

Q.3. Answer the following questions in about 40 words:

(i) Why do you think the grandmother was embarrassed to ask someone else to read to her while the narrator was away?

(ii) What lessons can we infer from the grandmother's action of touching the narrator's feet?

Q.4. Answer the following questions in 100 to 120 words:

(i) How effectively does the story highlight the value of education in supporting personal independence?

(ii) What does the following line tell us about the broader theme of the story? — “For a good cause if you are determined, you can overcome any obstacle.”



M.K. DAV PUBLIC SCHOOL, DALTONGANJ**Summer vacation****HHW****CLASS : IX****SUBJECT: SCIENCE****Section-Biology**

1. Complete practical file (Lab Manual) with all practical of 1st term.
2. Draw labelled diagram of animal cell & plant cell.
3. Write the function of
(a) ER (b) Golgi body (c) mitochondria (d) Lysosomes (e) All plastids
4. Differentiate between
(a) cell wall & cell membrane
(b) hypotonic & hypertonic solution
5. What happens to a plant cell when it is put in hypotonic, isotonic & hypertonic solution. Explain.

Section-Chemistry

6. Differentiate between with example
(a) Mixture & Compound (b) Homogeneous & heterogeneous mixture
7. Define solubility. What is the relationship between solubility & temperature.
8. Write five differences between solution, colloid & suspension. Give one example in each.
9. Define saturated solution. What happens when,
(a) saturated solution is heated? (b) saturated solution is cooled down?
10. If 10g of salt is dissolved in 90g of water calculate the mass-by-mass percentage of the solution formed.

Section-Physics

11. Complete practical file (Lab Manual) with all practical of 1st term.
12. A scooterist covers a distance of 3 km in 5 minutes. Calculate his speed in:
(i) centimetres per second (cm/s) (ii) metres per second (m/s) (iii) kilometres per hour (km/h)
13. (i) A person goes from A to B along a straight line with a speed V_1 & return back along the same path with a speed V_2 find its average speed & average velocity for the whole trip.
(ii) On a 120km track, a train travels the first 30km at a uniform speed of 30 km/h. how fast must the train travels the next 90km so as to average 60km/h for the entire trip?
14. A body travels a distance of 3km towards east, then 4 km towards north & finally 9 km towards east.
(i) what is the total distance travelled? (ii) what is the resultant displacement
15. Define motion. What do you understand by the term 'uniform motion & non uniform motion? explain with example.

M.K. DAV PUBLIC SCHOOL

Holiday Homework Notice

Subject: Information Technology (IT 402) | Class: IX

Dear Students, Complete all the work neatly and sincerely.

Chapter 1: Communication Skills

Section A: Short Answer Questions

- 1 What is communication? Explain its importance.
- 2 Write types of communication with examples.
- 3 What is verbal and non-verbal communication?
- 4 Explain barriers to effective communication.
- 5 What are the qualities of a good communicator?

Section B: Long Answer Questions

- 1 Describe the communication cycle with diagram.
- 2 Explain different methods of communication in detail.

Activity: Write a paragraph (100–150 words) on Importance of Communication in Daily Life.

Chapter 2: Self-Management Skills

Section A: Short Answer Questions

- 1 What is self-management?
- 2 Define self-awareness.
- 3 What are the benefits of self-motivation?
- 4 What is stress? Name its causes.
- 5 Explain time management.

Section B: Long Answer Questions

- 1 Explain ways to improve self-confidence.
- 2 Describe different stress management techniques.

Activity: Prepare a daily timetable for holidays.

Chapter 3: ICT Skills

Section A: Short Answer Questions

- 1 What is ICT?
- 2 Name different types of ICT tools.
- 3 What is hardware and software?
- 4 What is an operating system? Give examples.
- 5 Explain input and output devices.

Section B: Long Answer Questions

- 1 Explain the functions of an operating system.
 - 2 Describe different types of memory in a computer.
- Activity: Draw and label a basic computer system diagram.

Project Work (Compulsory)

Prepare a Project File (5–7 pages) on Role of ICT in Education.

Subject Teacher _____

Principal _____



Class-9

History

Draw a flow chart of Stone Age reflecting facts about their social & economic & political life.

How is history & geography are inter related.

On political map of India show different sites of Stone Age present in India.

Geography

On the physical map of world show different plate tectonics?

Explain the relevance of plate tectonic.

What are the different layers of Earth? Explain it with diagram.

Civics

Differentiate between parliamentary and presidential form of government.

Explain any two features of democracy in India.

Economics

What is opportunity cost? Explain it by example at

(a) Individual level

(b) State level

(c) National level

(d) Global level.

When will scarcity be zero?

नवमी कक्षा:-

1. कोई 5 शब्दरूप याद करें तथा लिखें।
2. पठ्, गम्, हस् धातुओं के रूप पाँचों लकारों में लिखें।
3. 'उच्चारण स्थान' के सूत्रों को याद करें।

ग्रीष्मावकाश गृहकार्य

कक्षा - नवम् विषय - हिन्दी

1. "वह अपना धर्म छोड़ दे लेकिन हम अपना धर्म क्यों छोड़ें!" कहानी के अनुसार हीरा और मोती सदैव ध्यान रखते थे कि कौन-से कार्य करने योग्य हैं और कौन-से नहीं। वे कौन-कौन से कार्य कभी नहीं करते थे?
2. "हीरा ने तिरस्कार किया- 'गिरे हुए बैरी पर सींग न चलाना चाहिए।'" "यह सब ढोंग है। बैरी को ऐसा मारना चाहिए कि फिर न उठे।" आपका इस संबंध में क्या विचार है? आप किसके साथ हैं- हीरा के या मोती के या दोनों के? क्यों?
3. परशुराम के क्रोध को देखकर सीता और उनकी माता सुनयना दोनों चिंतित हैं और सीता के लिए एक-एक पल युग के समान भारी और लंबा प्रतीत हो रहा है। उनकी मनःस्थिति का अनुमान लगाते हुए उस क्षण दोनों के बीच चल रहा मौन संवाद को लिखिए।
4. मान लीजिए कि हीरा-मोती अपने साथ हुए अन्याय की शिकायत करना चाहते हैं। उनकी ओर से उनकी शिकायत थानाध्यक्ष को करते हुए एक पत्र लिखिए।



MK DAV PUBLIC SCHOOL

SESSION: 2026–27

SUMMER VACATION HOLIDAY HOME WORK

CLASS: IX | SUBJECT: MATHEMATICS

Chapters Covered:

1. Orienting Yourself: The Use of Coordinates
2. Introduction to Linear Polynomial
3. The World of Numbers

Instructions:

- Attempt all questions.
- Show proper steps wherever required.
- Neatness and presentation will be considered for evaluation.

Section A (Questions)

Q1. Plot the points A(2, 3), B(-4, 5), C(-3, -2), and D(4, -1) on a graph paper. Identify the quadrant of each point.

Q2. Write the coordinates of a point which lies: a) On the x-axis b) On the y-axis c) In the third quadrant

Q3. Identify whether the following are linear polynomials or not: a) $3x + 5$ b) $x^2 + 2x + 1$ c) $7y - 9$

Q4. Find the value of the polynomial $2x + 3$ when: a) $x = 2$ b) $x = -1$

Q5. Find the zero of the polynomial $x - 5$

Q6. Express the following rational numbers in decimal form: a) $\frac{1}{4}$ b) $\frac{3}{8}$

Q7. State whether the following numbers are rational or irrational: a) $\sqrt{16}$ b) $\sqrt{5}$ c) 0.333...

Q8. Find three rational numbers between 2 and 3

Section B (Activities)



Activity 1: Draw a coordinate plane and plot at least 5 points of your choice. Join them to form a simple figure (like a house, triangle, etc.). Write the coordinates of each point used.

Activity 2: Collect real-life examples where numbers are used (money, temperature, distance, etc.). Classify them into natural numbers, whole numbers, integers, rational numbers, and irrational numbers.

End of Homework

