PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

CLASS - 9 SUBJECT : COMPUTER – A.I.

1. Do all the work on A4 Size Chart Paper (White color) and keep in a transparent folder.

2. First page of file should contain- name of school- KVS MZN, Shift-2, Title - Summer Holiday Homework (2026-27), Subject – Computer – A.I.

Submitted to :
Mr. Ajay Kr. Goel
(Computer Instructor)

Submitted by:
Name of Student: .....
Class : .....Section: ..... Roll No.:.....

ASSIGNMENTS

Q1. What do you mean by Intelligence and Artificial Intelligence ?

Q2. Write the Summary on the Areas/Applications where A.I. can give benefit to Mankind?

Q3. What are the Key Domains of A.I. ?

Q4. What do you mean by Lighting ?

Q5. What is SDLC. Explain in Brief ?

Note: Complete all your class work in this summer holidays.

==========

विषय: हिंदी | कक्षा: 9

गृहकार्य विवरण:

1. **रचनात्मक पोस्टर:** 'पर्यावरण संरक्षण' या 'बेटी बचाओ' पर आकर्षक स्लोगन सहित एक पोस्टर बनाएँ। 'प्लास्टिक मुक्त भारत' पर 10 नारे लिखें।
2. **संवाद लेखन:** बुजुर्गों से 'पुरानी शिक्षा बनाम आधुनिक तकनीक' पर संवाद और मित्रों से 'छुट्टियों की योजना' पर संवाद लिखें।
3. **लेखन कार्य:** अनुच्छेद: 'यदि मैं प्रधानाचार्य होता' (200 शब्द) और 'मेरे सपनों का भारत' पर निबंध (250 शब्द)।
4. **शब्द ज्ञान:** पाठ्यपुस्तक से 20 कठिन शब्द, अर्थ और वाक्य प्रयोग।
5. **पठन समीक्षा:** मुंशी प्रेमचंद की कहानी (जैसे 'ईदगाह') का सारांश लिखें।
6. **डायरी लेखन:** अवकाश के किन्हीं सात दिनों का अनुभव तिथिवार लिखें।

दशरथ मीणा

विषय अध्यापक (हिंदी)

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

SOCIAL SCIENCE- CLASS-IX

1-Completion of CW and HW of all the lessons completed in the month of the April.(As per split-up) Lessons –

1- Story of Village Palampur 2- India size and location 3- Why Democracy ? What is Democracy 4. French Revolution

2- Thorough reading of lessons- 1- Physical features of India 2-Socialism and Russian Revolution.

(Above mentioned lessons will be portion for PT-1)

3- Map work for all the lessons-as per CBSE map list in duplicate.(List given in the class)

4- MCQ- 15 questions for each above-mentioned Lessons. (TYPED)

5-Mind Map (SUMMERISING) for the lessons(APRIL-MONTH)-as a part of Multiple assess

6-Disaster Management Project- Compulsory (CBSE)

(Details and Instructions for the project already discussed in the class)

Cover the following aspects: (Choose any six Disasters)

1- Golden Rule of Disaster Management.
2- Do's and Don'ts during Disaster

3-Students role in Disaster risk reduction plans in school.

4-Mitigation strategies during disaster.

NOTE:1- Project has to be integrated with the Art (story/ poem/comic strip/ppt/skit/ collage/ drawings/ slogan/posters / News paper clippings/ Case studies etc.) and can be supported by small model by using eco friendly products.

2-Projects should be hand written -A-4 size paper

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

SUBJECT – YOGA

1.Write about yoga

Write 5-6 lines on :

- What is yoga.
- Improvements of yoga in daily life.
- Benefits of yoga for students.

2.Draw and explain any five yoga asanas:

Paste or draw pictures and write:

- Steps to do the asanas-
- Benefits of the asans-

Suggested asanas:

- Tadasana
- Vrikshasana
- Bhujangasana
- Paschimotasana
- Halasana

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

3. Daily yoga practice chart.

Make a table and record your practice for 10 days.

Day.	Yoga practice.	Time
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

4. Write about paranayam.

- Anulom vilom
- Kapalbhati

5. Yoga slogans.

- " Yoga for healthy life".
- "Yoga brings peace".
- "Daily yoga,daily energy".

6.conclusion.

- Write 8-10 lines on how yoga helps maintain physical and mental health.

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

English (Class 9, NCERT Kaveri)

Section A: Reading Skills

1. Read any 3–4 chapters from your Kaveri textbook.
2. For each chapter, write:
    - o Title
    - o Author/Poet
    - o Main Characters
    - o Summary (120–150 words)
    - o Theme/Message

Section B: Writing Skills

1. Paragraph Writing (any 3)(120–150 words each)

- Importance of Discipline
- Social Media: Boon or Bane
- A Visit to a Historical Place
- My Favourite Teacher
- Environmental Pollution

2. Article Writing

Write an article (150–180 words) on:
"Importance of Time Management for Students"

3. Letter Writing (Formal)

Write a letter to the Principal requesting:
"Permission to organize a cleanliness drive in your school"

4. Diary Entry

Write a diary entry about:
"An unforgettable day during your summer vacation"

Section C: Grammar Practice

1. Tenses

Write 5 sentences each in:

- Present Tense
- Past Tense
- Future Tense

2. Active and Passive Voice

Change into passive voice:

1. She wrote a poem.
2. They are playing cricket.
3. He will complete the work.

3. Direct and Indirect Speech

Change into indirect speech:

1. He said, "I am happy."
2. She said, "I have finished my homework."

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

4. Modals

Fill in the blanks using suitable modals (can, could, must, should, may):

1. You ___ respect your elders.
2. ___ I come in?
3. We ___ finish our work on time.

Section D: Creative Work

1. Poster Making

Make a poster on:

● Save Water

OR

● Say No to Plastic

2. Story Writing Write a story based on the idea:

“Where there is a will, there is a way”

3. Vocabulary Enhancement

- Learn and write 20 new words
- Include meanings and sentences

Section E: Speaking & Listening

Prepare a speech (2–3 minutes) on:

- Importance of Education

OR

- Role of Youth in Nation Building

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

Subject=Mathematics

Instructions for Submission:

- Use Homework notes for solving and don't write solutions from the google/internet.
- Submission Date: First day after summer vacation.
- All work must be handwritten.
- Marks will be awarded for neatness, completeness, and creativity.

SECTION A(solve questions)

1.Plot the following points on a graph paper: A(2, 3), B(-1, 4), C(-3, -2), D(4, -1)

2.Identify the quadrant in which the following points lie:

a) (5, -3) b) (-4, 6) c) (-2, -7) d) (3, 8)

3.Write the coordinates of a point:

a) On x-axis b) On y-axis

4.What is the distance of the point (0, 5) from the origin?

5.Locate the origin on the coordinate plane. What are its coordinates?

6.Find the multiplicative inverse of:

a) 5/7 b) -⅜

7.Verify the commutative property of addition for: ⅔ and ⅚.

8.Find: a) 4/9 ÷ 2/3 b) -6/11×3/5

Section B: Activity Work

1. Draw a Cartesian plane on a chart paper and plot at least 10 points of your choice.
2. Create a real-life example where rational numbers are used (e.g., money, measurements).

Section D: Application & Thinking Skills

1. A point moves 3 units right and 4 units up from origin. Write its coordinates.
2. If you add two rational numbers and get zero, what can you say about those numbers?
3. Draw a number line and represent:

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]

SUMMER VACATIONS HOMEWORK (2026-27)

Class IX Social Science

Ques 1. On the Political Map of India show all the capitals.

Ques 2. On the Political Map of India show the following:

(a) Highest wheat producing state – Uttar Pradesh

(b) Highest rice or paddy producing state – West Bengal

(c) Highest cotton producing state – Gujarat

(d) Highest tea producing state – Assam

(e) Highest coffee producing state – Karnataka

(f) Highest sugarcane producing state – Uttar Pradesh

(g) Highest mustard producing state – Rajasthan

(h) Highest groundnut producing state – Gujarat

(i) Highest coal producing state – Jharkhand

(j) Highest jute producing state – West Bengal

Ques 3. Which state of India has highest density of population?

=> Bihar

Ques 4. Which state has lowest density of population?

=> Arunachal Pradesh

Ques-5.Make a Diagram of Latitude and Longitude with important line like Equator, tropic of cancer , tropic of Capricorn ,GMT itc

PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

SUMMER VACATION HOLIDAY HOMEWORK
CLASS – IX
SUBJECT – SCIENCE

Chapters Covered:

1. Cell – The Building Block of Life
2. Exploring Mixtures and Their Separations
3. Cell – The Building Block of Life • Draw neat labelled diagrams of:

- Plant Cell
- Animal Cell
  - Write the functions of major cell organelles.
  - Prepare a chart showing differences between plant cell and animal cell.

2. Exploring Mixtures and Their Separations • Prepare a table showing different types of mixtures found in daily life.
   • Explain methods of separation such as:

- Filtration
- Evaporation
- Sedimentation
- Distillation
  - Perform any one simple activity related to separation of mixtures and write observations.

3. National Children's Science Congress (NCSC) Prepare a project file on any one topic: • Water Conservation
   • Pollution Control
   • Waste Management
   • Renewable Energy

Include: • Aim
• Observation
• Survey
• Conclusion
• Pictures

4. INSPIRE Award Write one innovative idea mentioning: • Problem
   • Solution
   • Materials Required
   • Benefits

Examples: • Smart Water Purifier
• Solar Mobile Charger