

**PM SHRI KENDRIYA VIDYALAYA NFC NAGAR GHATKESAR  
SUMMER VACATIONS HOLIDAY HOMEWORK**

Session: 2026-27

Class: IX

**Artificial Intelligence**

**Part A: Concept Revision (Answer in 2–3 lines each)**

- What is Artificial Intelligence?
- List any 3 applications of AI in daily life.
- What are the three domains of AI?
- What is the AI Project Cycle?
- Differentiate between AI, ML, and DL (any 2 points for each).
- What is AI Ethics? Why is it important?

**Part B: Real-Life Observation Task**

Observe your daily life and identify 3 places where AI is used. For each, write:

- Name of the application
- AI Domain (CV / NLP / Data Science)
- How it helps users

**Part C: Mini Activity – Problem Scoping (4W Framework)**

Choose any one real-life problem and answer:

- Who is facing the problem?
- What is the problem?
- Where does it occur?
- Why is it a problem?

Then write a short problem statement using the 4W Framework