

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

Session: 2026-27

Class: VIII

Artificial Intelligence

Part A: Quick Concept Check (Answer in 2–3 lines each)

1. What is Artificial Intelligence?
2. What is an AI Project Cycle?
3. Name the stages of the AI Project Cycle.

Part B: AI Around Me (Observation Task)

Identify 3 real-life examples where AI is used. For each example, write:

- Name of the application
- What it does
- Where it is used

Part C: Problem Scoping Activity (4W Framework)

Choose any one real-life problem:

Examples: Too much mobile usage, Difficulty in studying, Traffic near school, Food wastage

Answer the following:

- Who is affected?
- What is the problem?
- Where does it occur?
- Why is it important?

Then write a Problem Statement using the format:

Our _____

has a problem that _____

when/while _____

An ideal solution would _____