

# Winter Vacation Home Work- 2024-25

## Class- VI

### Subject: Computer Science

#### **A. Read the paragraph and give answers of following questions.**

Computer Vision is a field of computer science that focuses on teaching computers to understand and interpret the visual world. It involves enabling machines to analyze and process images, videos, and other visual data. By using cameras and sensors, computers can identify objects, detect patterns, and even recognize faces.

For example, self-driving cars use computer vision to identify road signs, detect pedestrians, and avoid obstacles. Similarly, smartphone apps use computer vision for face recognition, barcode scanning, and augmented reality.

Computer Vision works by using special algorithms and Artificial Intelligence (AI). These algorithms allow computers to analyze images, break them into smaller parts, and recognize shapes, colors, and movements.

This technology is used in many areas, such as healthcare (for diagnosing diseases from X-rays), security systems (for detecting intruders), and entertainment (for creating realistic animations and effects in movies).

#### **Multiple Choice Questions**

##### **1. What is Computer Vision?**

- a) A type of human vision  
b) Teaching computers to understand visual data  
c) A video game feature  
d) A programming language

##### **2. Which of these is an example of Computer Vision?**

- a) A car identifying road signs      b) Watching a movie      c) Writing an essay      d) Listening to music

##### **3. What devices are commonly used in Computer Vision?**

- a) Speakers and microphones  
b) Cameras and sensors  
c) Printers and scanners  
d) Keyboards and mice

##### **4. How do computers recognize objects in Computer Vision?**

- a) By guessing randomly  
b) By using algorithms and AI  
c) By asking humans for help  
d) By scanning barcodes

##### **5. Which of these is a use of Computer Vision in healthcare?**

- a) Writing prescriptions  
b) Diagnosing diseases from X-rays  
c) Printing reports  
d) Scheduling appointments

#### **Subject :- Social Science**

##### **1) Draw a sketch (on A- 4 sheet paper) of your school and locate the following :-**

- The Principal's office
- Your Classroom
- The Playground
- The Library
- Assembly Hall

##### **2) Imagine a Day as a Ruler :- If you were a king, queen, or prime minister for a day, what changes would you make? Write in your Political Science Notebook about your day and the decisions you took in an about 80-100 words.**

## विषय\_ हिन्दी

नोट\_

दोनों प्रश्न करना अनिवार्य है  
गृहकार्य अपनी वसंत की कॉपी में ही करें।  
सभी निर्देशों का उचित पालन करें

प्रश्न\_1 नीचे दिए गए विषयों में से किसी एक विषय पर अपनी कल्पना से एक कहानी लिखिए

- (1) मेरे जादुई जूते
- (2) मेरी दोस्ती एक एलियंस के साथ

निर्देश\_ कहानी में मुहावरों का प्रयोग करना अनिवार्य है  
कहानी में संज्ञा, सर्वनाम और विशेषण शब्दों को अलग-अलग क्रयान रंगों से रेखांकित कीजिए।

प्रश्न\_2 नीचे दिए गए विषयों में से किसी एक विषय को चुनकर कम से कम 150 शब्द का एक काल्पनिक लेख लिखिए ।

- (1) यदि मैं बादल होता /होती
- (2) यदि मैं पक्षी होता /होती

## Maths

- 1) Measure 10 days of temperature and show it on chart paper by Bar graph.
- 2) Solve 5 question from ratio and proportion and perimeter and area. Draw acute, obtuse, right and reflex angles in copy.

## Science

1. Create a working windmill using paper, sticks, and glue.
2. Research any two scientists (e.g., Marie Curie, Isaac Newton, C.V. Raman). Write about their discoveries and paste their pictures (on chart paper).
3. Solve Model Test Paper II of workbook in copy.

## English

Q1 Write 10 idioms with their meanings and include an example sentence for each idiom.

Q2) Write a short story (200- 250 words) based on : "One day, I woke up and discovered I could talk to animals." Include dialogues and describe characters vividly.