



# SHREE VASISHTHA VIDHYALAYA.

Computer Worksheet 2025-26



Name : - \_\_\_\_\_

Std :- V - \_\_\_\_\_

Roll No. :- \_\_\_\_\_ Worksheet No: CA4

Date : - \_\_\_\_\_

## Ch.9 Domains of Artificial Intelligence

### Q-1 Multiple choice questions.

1. AI in education can:  
a) Replace teachers in schools    b) Help create personalized learning tools    c) Build school buildings
2. Which AI technology is often used for analyzing medical images like X-rays and MRIs?  
a) Speech Recognition    b) Natural Language Processing    c) Computer Vision
3. Which of these devices uses AI?  
a) A ruler    b) Smart assistant like Alexa or Siri    c) Regular desk lamp
4. If a smartphone app can recognize your friend's face in a photo, it is using:  
a) Computer Vision    b) Natural Language Processing    c) Data
5. AI in games is used to:  
a) Read books    b) Make games more challenging and fun    c) Cook food for players
6. What AI technology is commonly used in speech recognition?  
a) Expert Systems    b) Natural Language Processing (NLP)    c) Robotics
7. Which AI domain focuses on teaching computers to see and understand images?  
a) Speech Recognition    b) Natural Language Processing    c) Computer Vision
8. Rock paper and scissors game is based on the following domain:  
a) Data    b) Natural Language Processing    c) Computer Vision
9. The technology used to aid computers to understand the human's natural language is:  
a) Gamification    b) Natural Language Processing (NLP)    c) Data
10. A **self-driving car** that looks at traffic lights, other cars, and road signs uses which main AI domain to "see" the world?  
a) Computer Vision    b) Natural Language Processing    c) Data

### Q-2 Fill in the blank.

- 1) AI tries to make machines act like \_\_\_\_\_.
- 2) The AI domain that helps in identifying objects, faces, or patterns in images is called \_\_\_\_\_.
- 3) Virtual assistants like Siri or Alexa use AI to understand \_\_\_\_\_ commands.
- 4) Self-driving cars use AI to see the road and make decisions using \_\_\_\_\_ Vision and \_\_\_\_\_ Learning.
- 5) Translating a document from one language to another automatically is a task handled by \_\_\_\_\_ domain.
- 6) When AI learns from information and makes decisions, it is using the \_\_\_\_\_ domain.
- 7) When AI looks at pictures or videos and understands them, it is using \_\_\_\_\_.

**Q-3 Write True or False.**

- 1) AI in the domain of computer vision helps machines recognize images and objects. \_\_\_\_\_
- 2) AI can only be used in computers, not in phones or cars. \_\_\_\_\_
- 3) AI in speech recognition allows computers to understand and convert spoken words into text. \_\_\_\_\_
- 4) The domain of AI called computer vision is used to solve math problems. \_\_\_\_\_
- 5) AI cannot play games like chess or solve puzzles. \_\_\_\_\_

**Q-4 Application Based Questions:**

- 1) You are travelling in car with your parents, Which AI based application is used to find a map to reach the destination? Write the AI domain used in this application.

**Ans:** \_\_\_\_\_  
\_\_\_\_\_

- 2) When you upload photos on Facebook, it automatically highlights the faces and suggest friends to tag. Which domain of AI is used on Facebook to recognize faces and suggest tagging?

**Ans:** \_\_\_\_\_  
\_\_\_\_\_

**Q-5 Identify the domain (Data, CV, NLP) of following Artificial Intelligence applications.**

**Chatbot, Self-driving car, Siri, Biometric System, Alexa, Google Assistant, Face recognition app.**

**Emoji Scavenger Hunt Game, QP-Brain, Google Maps, ChatGPT, Google lens, Netflix, YouTube.**

Data	CV ( Computer Vision )	NLP (Natural Language Processing)