



SHREE VASISHTHA VIDHYALAYA.



Computer Worksheet 2025-26

Name : - _____

Std :- IV - _____

Roll No. :- _____ Worksheet No : CA4

Date : - _____

Ch: 5 Ch:8 Artificial Intelligence in Smart Homes

Q-1 Tick the (✓) correct answers.

1. What does AI stand for?

- a) Artificial Intelligence b) Artificial Insects c) Amazing Internet

2. What can AI do?

- a) Sleep and eat b) Think and learn like humans c) Grow like a plant

3. Which of these is an example of AI?

- a) A robot that can talk and learn b) A tree c) A calculator

4. Which of these devices might use AI?

- a) book b) A fan c) A smartphone

5. What does a smart home do?

- a) Watches TV for you b) Helps with daily tasks automatically c) Does your homework

6. What can a voice assistant do?

- a) Help you make a sandwich b) Respond to voice commands c) Clean your room

7. Which of these is a benefit of using AI in a smart home?

- a) It makes more noise b) It helps save energy and increases safety c) It uses more electricity

8. Which of these devices might use AI in a smart home?

- a) A calculator b) A refrigerator that tells you when food is running low c) A regular clock

9. Which of these devices often uses AI in a smart home?

- a) A regular light bulb b) A voice assistant like Alexa or Google Assistant c) A regular radio

10. What can a smart security camera do?

- a) Clean the house b) Keep a lookout for unusual movements and send alerts c) Play music

Q-2 Write True or False.

1. AI in smart homes can learn your habits and make decisions for you. _____

2. Alexa is an online shopping app. _____

3. A regular doorbell is an example of an AI device. _____

4. AI can help control the lights, temperature, and security in a smart home. _____







5. Smart homes with AI can work without any internet connection. _____

6. AI in smart homes can only be used at night. _____

Q-3 Fill in the blank.

1. Smart Homes use AI to make life _____ and more _____.
2. LUIS stands for _____.
3. Using Siri/Alexa we can change the light colour of bulb by giving _____ commands.
4. Main goal of AI is to copy _____.
5. Devices like Alexa and Google Assistant are examples of _____ assistants.

Q-4 Identify and write the name of the following smart home products.

Q-5 Match the following.

A (Smart Home Feature)	B (What the AI Does)	
1) Smart Thermostat	a. Recognizes your face or voice to let you inside the house.	1)-_____
2) Facial Recognition Door Lock	b. Learns when you are home and when you are gone to save money by changing the temperature.	2)-_____
3) Smart Security Camera	c. Turns on the lights when you walk into a room and turns them off when you leave.	3)-_____
4) AI Lighting	d. Watches for packages being dropped off or alerts your family if it sees a stranger near the house.	4)-_____