



# 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.

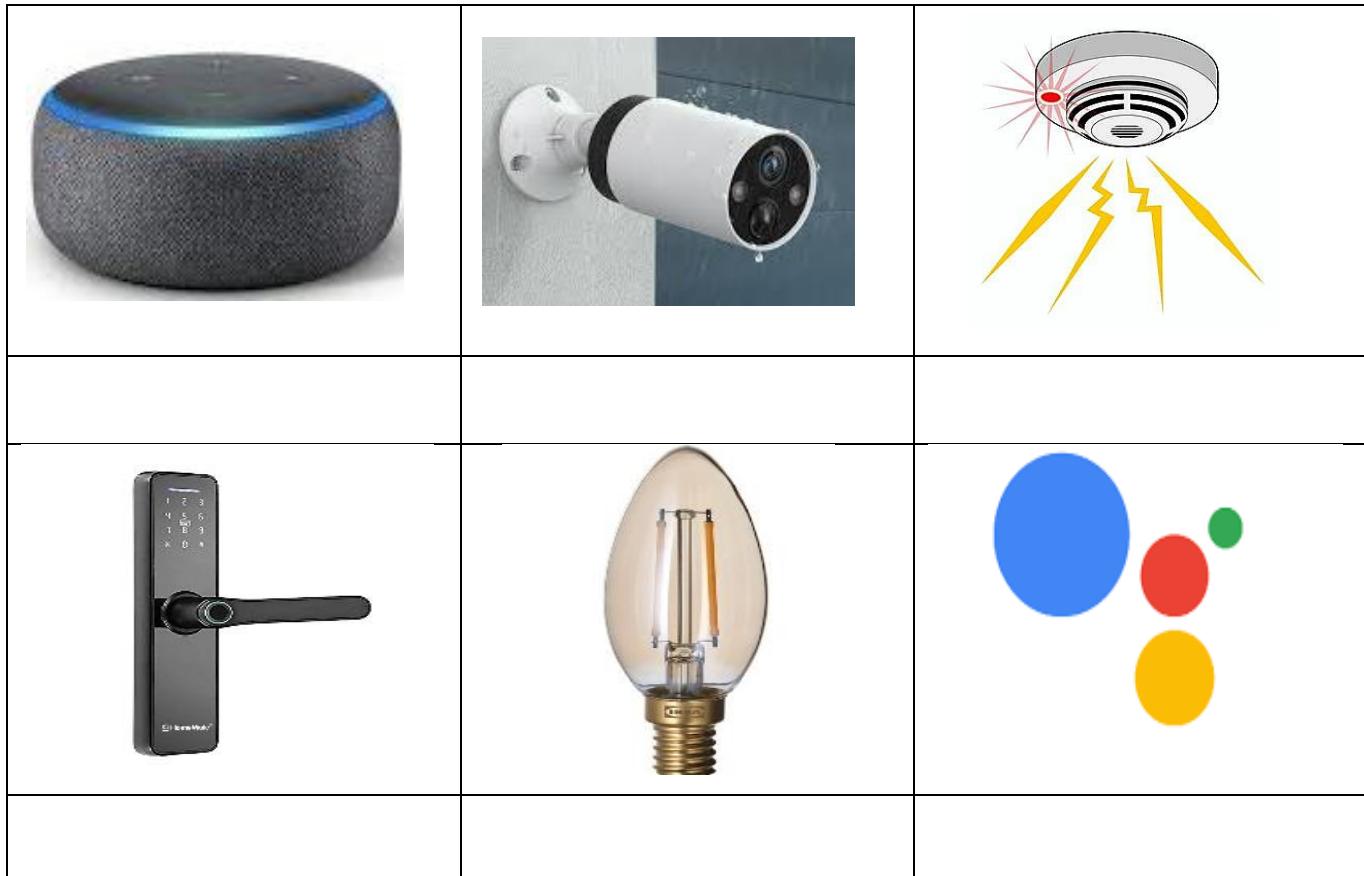
1. What does AI stand for?  
a) Artificial Intelligence      b) Artificial Insects      c) Amazing Internet
2. What can AI do?  
a) Sleep and eat      b) Think and learn like humans      c) Grow like a plant
3. Which of these is an example of AI?  
a) A robot that can talk and learn    b) A tree      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)-_____