

**St. Mary's School, Dwarka**  
**Practice Worksheet**  
**Class: IV**  
**Subject: Computer Science**

**Topic: L-8, AI in Smart Homes**

**Name :** \_\_\_\_\_ **Sec.** \_\_\_\_\_ **Roll No.** \_\_\_\_\_ **Date:** \_\_\_\_\_

**1. Fill in the blanks.**

- a) \_\_\_\_\_ is the heart of artificial intelligence.
- b) A \_\_\_\_\_ refers to a home setup where appliances and devices are automatically controlled remotely from anywhere.
- c) Smart devices have \_\_\_\_\_ and \_\_\_\_\_ that allow them to communicate with other devices.
- d) Smart virtual assistant uses \_\_\_\_\_ recognition technology to interact with users.

**2. Identify and write the name of the following smart home products.**



\_\_\_\_\_



\_\_\_\_\_

**3. Application Based Questions.**

- a) Riya's friend Joy visited her home in her absence. Which smart device she installed at her house that could give access to him enter the house?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- b) Sharda wants to buy a smart watch online. Explain how artificial intelligence help her to display the content of her choice.

\_\_\_\_\_

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**4. Define the following terms.**

a) LUIS – \_\_\_\_\_

\_\_\_\_\_

b) Smoke sensors – \_\_\_\_\_

\_\_\_\_\_

**5. Answer the following questions.**

a) Write any two goals of artificial intelligence.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

b) Write the preset commands for the following in LUIS.

i) To switch on the light in a dark room

\_\_\_\_\_

ii) Turn on the lights of the main door for the guests

\_\_\_\_\_