Class- IV   Subject- Computer   L-10(AI & Non -AI Robots)

AI Quest (Pg. 111)

1. Aibo
2. Sophia
3. E2-DR
4. Puffer
5. Shalu

AI Quest (Pg.114)

A.
1.Cobots are used by manufacturers of lighting, mobile phones.
2. Industrial Robots can assist in material handling.
3. Agriculture Robots are used to strip away weeds.

B.
i) AI robots are equipped with artificial intelligence, while non-AI robots operate on Pre-programmed instructions.

(ii) AI robots can handle complex tasks, while non-AI robots are best suited for repetitive tasks.

TECH READY

A. Tick (√) the Correct Option.

1. (iii) disaster belief
2. (i) Sophia
3. (ii) Rashmi
4. (i) Companion

B. Fill in the blanks using the words given below:

1. Intelligent
2. Collaborative
3. Manav
4. Snake

C. State whether these statements are true or false.

1. True
2. False
3. False
4. False
5. False

D. Answer the following Questions:

1.Write the names of any three AI robots.
Ans. Kuri, Sophia and Rashmi

2.What are Cobots ? Where they can be used ?
Ans. Cobots are also called collaborative robots. Cobots work alongside human beings. Cobots are used by manufacturers of lighting, mobile phones, speakers, computers, and more.

3. What is the difference between industrial and agricultural robots ?
Ans. Industrial Robots
     (i)   Typical applications of these types of robots includes welding, painting, assembly, palletising, product inspection, and testing.
     (ii) They can assist in material handling.

    Agriculture Robots

    (i)Emerging applications of robots or drones in agriculture include weed control, cloud seeding, planting seeds, and soil analysis.
    (ii)Robots are used to pick apples, gather strawberries, harvest lettuce and

TECH TWISTER

1.Shalu
2. Sophia
3. Kuri
4. Aibo

Competency-based/ Application – based Questions.

1. Agricultural Robots
2. Snake Robot