AI Quest (Page no. 116)

1. Natural Language Processing (NLP), Computer Vision (CV)
2. Self-driving cars use computer vision to examine their surroundings and plan its path.

Tech Ready

A. Choose the correct option:

1. Computer Vision
2. Natural Language Processing
3. Making a machine intelligent
4. To extract meaningful insights from data

B. Fill in the blanks:-

1. Natural language processing
2. Voice assistant
3. Computer vision
4. Artificial intelligence

C. State whether the statements are true or false:

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

D. Answer the following questions:

Ans 1. The AI system is built from different smaller mechanisms that help the AI work Properly. These working mechanisms are the different components with which the AI system can work. They are commonly called domains of AI. Different domains of Ai are:

- Natural Language Processing
- Computer Vision
- Data Science

Ans 2. Some real life applications of the different domains of AI:

Data Science: Personalised recommendation systems on platforms like Netflix and Amazon rely heavily on data science.

Computer Vision: Self driving cars, drones that can examine crop health, patient imaging and diagnostics and security and surveillance.

Natural Language Processing: Voice assistants and chatbots.

Ans 3. Real Life uses of NLP are voice text messaging and virtual assistants.

Ans 4. Computer vision is a very important tool and it helps us in many areas. For example, self driving cars, drones that can examine crop health, patient imaging and diagnostics, security and surveillance.