Lesson – 3 Robotics and Artificial Intelligence

Worksheet 5: Answer in one word/sentence.

Q. 1.   What is robotics?

Ans.   Robotics is the branch of science and engineering that deals with design, construction, operation and application of robots.

Q. 2.   What is Artificial intelligence?

Ans.   Artificial Intelligence(AI) is a way of making a computer.

Q. 3.   What do you call robots used in homes?

Ans.   Domestic or household robots.

Q. 4.   Which kind of robots perform the job that is dirty, dull, dangerous or repetitive?

Ans.   Service robots.

Q. 5.   Name two areas where Artificial intelligence is used.

Ans.   In class rooms, Hospital and Medicine.

Q. 6.   What is a Virtual assistant?

Ans.   A virtual assistant is an application that can understand voice commands.

Q. 7.   What is a Drone?

Ans.   In aviation and in space, a drone refers to an unpiloted aircraft or spacecraft.

Worksheet 6: Answer the following:

Q. 1.   What is a Robot?

Ans.   A robot is a machine programmed by a computer- capable of carrying out a complex series of actions automatically.

Q. 2.   What is an Expert system?

Ans.   An expert system attempts to mimic the decision making expertise of an expert system in a given field.

Q. 3.   What is Robotics?

Ans.   It is the branch of science and engineering that deals with the design, construction, operation, and application of robots as well as computer systems for their control and information processing.

Q. 4.   Write about Industrial robots.

Ans.   An industrial robot is a robot system used for manufacturing and similar processes. Industrial robots are most often fixed machines which are essentially mechanical arms.

Q. 5.   Write about agricultural robots.

Ans.   As the demand increases, agriculture robots will become more incorporated into every aspect of agricultural activity. Using advanced sensor, these service robots will spray for weed control, harvest crops, plant seeds and trim existing plants and trees.

Q. 6.   Write about speech recognition.

Ans.   Speech recognition systems are capable of hearing and understanding in the terms of sentences and their meaning while a human talks to it.

Q. 7.   Write use of AI in class rooms.

Ans.   One of the most exciting innovations is the idea of an AI personal tuto4 or assistant for each individual student. AI tutors would allow for students to get extra, one-on-one help in areas of needed growth.