

1. Who was considered the father of Artificial Intelligence?

John McCarthy

2. Artificial Intelligence is a way of \_\_\_\_\_.

making a computer, a computer-controlled robot, or a software think intelligently

3. What are the 2 goals of AI?

**To Create Expert Systems** – The systems which exhibit intelligent behavior, learn, demonstrate, explain, and advise its users.

**To Implement Human Intelligence in Machines** – Creating systems that understand, think, learn, and behave like humans.

4. What disciplines can AI be comprised of?

Computer Science, Biology, Psychology, Linguistics, Mathematics, and Engineering.

5. What does AI technique attempt to do?

AI Technique is a manner to organize and use the knowledge efficiently in such a way that –

- It should be perceivable by the people who provide it.
- It should be easily modifiable to correct errors.
- It should be useful in many situations though it is incomplete or inaccurate.

AI techniques elevate the speed of execution of the complex program it is equipped with.

6. Name at least 3 applications of AI and look up an example of each field.

- **Gaming** – AI plays crucial role in strategic games such as chess, poker, tic-tac-toe, etc., where machine can think of large number of possible positions based on heuristic knowledge.
- **Natural Language Processing** – It is possible to interact with the computer that understands natural language spoken by humans.
- **Expert Systems** – There are some applications which integrate machine, software, and special information to impart reasoning and advising. They provide explanation and advice to the users.