

## **Frequently Asked Questions (Faqs)**

Q1. What is a teaching machine?

Ans: A teaching machine is a piece of device designed to be operated by an individual student. It presents series of problems and provides immediate 'reward' or reinforcement to students when they give the correct answers to the posed questions.

Q2. What are the characteristics of teaching machine?

Ans: The essential characteristics of the various teaching machines are as follows:

- i. The student is presented with a question or problem by some form of display on the machine.
- ii. The student is required to respond overtly. The student must do something about the problem, either to write an answer or to push a button to indicate the correct answer.
- iii. The student is informed as to whether his answer is right or wrong. This is being done either by showing the correct answer or by moving forward to the next frame when a question has been answered correctly.
- iv. An account is kept of the responses made by the student not for the purpose of testing the acquisition of knowledge but for teaching purpose.

Q3. What are the values of teaching machines?

Ans: Some of the values of teaching machines are as follows:

- 1) Programmed instruction and teaching machines provide a technological solution to the problem of individual differences.
- 2) Teaching machines, if programmed and wisely used, can provide individual experience for students. In the present set-up, no teacher can be a tutor to each individual. But auto -instruction can be tutorial instruction.
- 3) Teaching machines are helpful from the student's point of view also. Every student can proceed at his own rate of learning. If he is fast, he goes ahead; if slow, the programme is not tired of teaching him as long as he requires it.
- 4) With the teaching machine programmes either remediation or enrichment is automatically built depending upon the philosophy and intention of the programmer.
- 5) Large number of students can be taught with the machines.

6). Students were active while using teaching machines during their learning process. It is such kind of private tutor which alert students and kept them busy during learning process.

Q4. Will machine replace the human teacher in near future?

Ans: Education is complex process. It is about the trust and bond between a teacher and young person (and parents) that creates the environment where learning can occur and grow. Technology gives data to teach the student about the interaction. But, human teachers teach us how to be social and teach us the sense of interaction. Under no circumstances can the machine replace the teacher.

Q5. What is meant by Computer Assisted Instruction (CAI)?

Ans: Computer Assisted Instruction (CAI) is an interactive instructional technique whereby a computer is used to present the instructional material and monitor the learning that takes place.