

Q. Mention various teaching devices. Discuss any two artificial teaching devices with examples. Why is it necessary for a teacher to know about the use of teaching devices?

Introduction: Devices of teaching means a type of teaching tool for effective classroom teaching. In common sense device means some necessary equipment adopted for doing things in a better and easy way. In case of teaching learning process teacher frequently uses different tools for best classroom interaction and that tools i.e. hardware and software both are known as teaching devices.

Meaning of Teaching Devices: Teaching devices are some tricks intended for the purpose of purposeful teaching-learning. A teaching device is an effective technique of classroom interaction. They are some skills that are used by the teachers for the purpose of better teaching in the classroom. Devices of teaching mean some teaching tools that teachers use for producing good work in the classroom.

Importance of teaching devices:

- It helps to teach thoroughly.
- It helps to learn easily.
- It creates motivation.
- It provides a conducive environment for effective teaching-learning.
- Teaching devices make difficult subject easy for the learners.
- Classroom instruction is made more effective with the use of teaching devices.
- It makes the classroom communication more inspirational and

practical.

- It helps to motivate the learner properly so that the students' learning experience becomes permanent.
- Using various devices such as questioning, explaining etc. encourage the learners to think critically and to develop their conceptual thinking.
- Using devices in the classroom can bring new experiences and understanding to assist students in first-hand learning experience on the topics being studied.
- The devices are used to teach more quickly within a short time.
- They are used to sustain interest in the learners.
- The uses of devices bring something new to the students in a simplified way.

Different types of teaching device:

Teaching devices are two types of –

- Natural devices
- Artificial devices

Natural teaching devices are those devices where learning occurs by product of direct experiences of the learners. Natural devices of teaching are as follows :

- (i) Exursion
- (ii) Field trip
- (iii) Out door activity
- (iv) Books
- (v) Smart board
- (vi) Computer

(vii) Projector etc.

Artificial teaching devices are those where learning is occurred by product of oral communication. Artificial devices of teaching are as follows :

- (i) Illustration
- (ii) Explanation
- (iii) Narration
- (iv) Questioning

Illustration: Generally illustration means an example, a picture or diagram that helps make something clear or attractive. Illustration is such a devices through which teacher makes the subject matter or the concept clear and easy to understand by the learners in teaching learning process. To illustrate the subject matter teacher may use various pictures, models, charts and scientific apparatus.

Significance of illustration in teaching-learning process –

- It creates motivation
- It helps to understand abstract ideas in better way.
- It develops creativity among the learners.
- It provides practicability.

Illustration can be two types of – verbal illustration and non-verbal

illustration.

Explanation: Explanation means to make ideas, concepts more clear by following a proper procedure. Language is the vital component of explanation. Explanation involves in following two factors for its effectiveness - continuity, simplicity, explicitness.

Significance of explanation in teaching-learning process –

- Explanation makes clearer the meaning of any term, and assignment.
- Explanation in teaching is to enable the learners to take intelligent interest in the lesson, to grasp the purpose of what is being done.
- Explanation can be considered as an attempt to provide understanding of a problem to others.
- Good explanation in teaching is essential for unlocking the student's understanding of the subjects and it develops student's logical thinking.

Narration: Narration is one of most significant devices of imparting instruction particularly in subjects like history, literature, geography etc. It refers to telling a story for giving a clear perception on some topics of literature and history.

Significance of narration in teaching-learning process –

- It helps the children to learn quickly.
- It makes the learners interested in knowing and solving the various problems of life.
- It provides knowledge in abundance.
- Narration gives the learner the opportunity to actively engage with the content they learnt.

Questioning: Questioning plays an important role in teaching-learning and evaluating. When it used at the right time and in the right manner, it can lead to new levels of understanding. Questions serve as a means of organizing knowledge, correlating results, binding together different limits of learning and of integrating personality.

Significance of narration in teaching-learning process –

- Questions can review, restate, emphasize and summarize what is important.
- Questions stimulate discussion and creative and critical thinking.
- Effective questioning can provide teachers with lots of useful information about the learner they learn.
- Effective questioning in the classroom is closely tied with an understanding of Bloom's Taxonomy.

Conclusion: Devices of teaching denotes to some tools that uses by the teachers during teaching –learning process. Teaching devices facilitate the learning process by making it interesting in less time. Devices of teaching develop knowledge and attitudes in the learners.
