

B.A. 6TH SEM (Education)(Gen.)

Paper: Educational Technology (6.1)

**Topic: Instructional Technology
(*P.I. and its Nature*)**

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PROGRAMMED INSTRUCTION

Meaning:

Programmed instruction or programmed learning is one of the effective method of innovations of teaching-learning process. It is a highly individualized and systematic strategy in classroom instruction as well as self learning or auto instruction.

➤ Programme is a device used to control the student behavior and help them to learn without the supervisor of teacher. It is the subject learnt by the pupil.

➤ Programmed learning is a method of presenting material in the form of printed text or programmed sequences stored in the machines.

➤ These machines are presented according to the teacher's pace(i.e. by self/auto). It is a learner oriented system in which the learner learns and proceeds a number of small steps at his own pace and immediate knowledge whether his answers are correct or not.

Nature of Programmed Instruction

- 1. Individualized Method:** It is an individualized method in which variety of sources like programmed text book, teaching, machine, computers with or without the help of a teacher are used.
- 2. Logical Sequence:** In this technique, the instructional materials are logically sequenced and broken into suitable small steps of the subject matter known as **FRAMES**.
- 3. Progress at their own pace:** The learners make progress at their own pace. The learner is required to read or listen and then respond actively.

4. Immediate Feedback: This learning system has a provision for immediate feedback. It is based on the theory of Re-enforcement.

5. Provide Self Pacing: Programme Instruction provides self pacing as the learner progresses at his own pace. Learning depends on the nature of the learner, teaching materials and learning situations.

6. Interaction between the learner and the learning materials: It is the interaction between the learner and the learning materials. Thus the students are motivated to learn and respond actively.

7. **Overt responses:** It calls for the overt responses of the learner that can readily be observed, measured and effectively controlled.

8. **Provision of constructive evaluation:** It provides continuous evaluation which help in improving the quality of learner's performancethe quality of programmed material.

9. **Based on behavior science and technology:** Programmed learning is application of behavioral science and its technology.

Bibliography:

Prepared with inputs from:

1. Essentials of Educational Technology by S.K.Mangal & Uma Mangal
2. Educational Technology by Dr. Phunu Das Sarmah and Dr. Tarali Pathak