

Unit I

Understanding Educational Technology

- i) Meaning, Objectives, Types & Scope.
- ii) Forms-
 - a) Teaching technology b) Instructional technology c) Behavioral Technology d) Instructional Design system.
- iii) Major institutions of Education technology in India- CIET, EMMRC, IGNOU, UGC their role in education.

Unit II

Innovations in Teaching

- i) Microteaching – Meaning, Characteristics, procedure, major skills and role of supervisor
- ii) Simulated teaching – Meaning, types, steps, procedure, training group, role play simulation in teacher education programme.
- iii) Flanders Interaction Analysis Category System-Description, assumption, procedure, behaviour ratios.

Unit III

Programmed Instruction/Learning

- i) Origin, Meaning, principles & Types
Contribution of Skinner, Mager, Gilbert.
- ii) Development of Programmed – steps
(preparation, writing the programme, try-out and revision)
- iii) Review of Research trends in programmed learning-national and International context.

Unit IV

Information and Communication Technologies – an Introduction

- i) Nature and Scope of a communication system sender, receiver, message and the medium; one to one, one to many, many to many communication.
- ii) Types of communication in classroom –verbal, non-verbal. Effective communication in classroom.
- iii) Use of ICT in Research, including on-line research, Use of ICT for reporting in the form of theses, Journal articles, and presentations in Seminars and conferences. Downloading of international standards for writing a research report Downloading of references, and biography new books/journals from internet.

Suggested Readings:

1. Allen, D. W. & Ryan, K. Micro – Teaching
2. Bishop, L. K. Individualizing Educational System.

3. Bloom, B. S. Taxonomy of Educational Objectives.
4. Charlin, A. A. Developing Questioning Techniques.
5. Dosajh, N. L. Modification of Teacher Behaviour Through Micro-Teaching.
6. Flanders, N. A. Analyzing Teaching Behaviour.
7. Shaplin, J. T. Team Teaching.