

Paper IV Essentials of Instructional Technology:

M.Marks 80

Unit I **Teaching & its Models**

- i) Concept of teaching.
- ii) Characteristics & Functions of teaching.
- iii) Phases of teaching (Jackson)
- iv) Principles & Maxims of teaching
- v) Concept Attainment Model (J.Bruner)
- vi) Synectics Model (W.Gordon)

Each Model is to be discussed along the following:

Syntax, Social system, Principles of Reaction, Support System, Instructional effect, Application.

Unit II **Audio-Visual Aids & Teaching Devices.**

- i) Meaning & Advantages of A-V-aids
- ii) Types of Audio-Visual Aids
 - a) Projected : Film, Film Straps, Overhead Projector, Slides.
 - b) Non-Projected : Graphics, 3-D aids, Display boards, Audio aids.
 - c) Use of Radio, TV & Newspaper as teaching aids.
- iii) Teaching Devices
 - a) Meaning & Importance
 - b) Home Assignment, Discussion, Dramatization.
 - c) Illustration, Lecturing, Narration.
 - d) Observation, Source Method, Story Telling
 - e) Study habits & Supervised Study.

Unit III **Techniques of Teacher-Preparation.**

- i) Microteaching - Nature & Meaning, Main proposition, Phases, Steps, Merits & Limitations.

- ii) Simulated - Nature & Meaning, Mechanism, Teaching
Role Play & T-group. -
Advantages & Limitations.
- iii) Programmed - Meaning & Characteristics,
Learning - Principles & Development of the Programmed
instructions.
- Types.
- Merits & Demerits.
- iv) Team Teaching-Concept, Process Advantages and Limitations

Unit IV

Taxonomy of Educational Objectives & Lesson Planning.

- i) Bloom's Taxonomy of instructional objectives:
- Cognitive, Affective & Psychomotor domains
- ii) Formulation of Instructional Objectives (Mager's)
- i) Meaning & Significance of lesson planning
- ii) Approaches to Lesson planning.
 - a) The Herbartian Steps.
 - b) Gloverian approach.
- iii) Skill lesson & Appreciation lesson.

Unit V

A detailed discussion of the following:

- i) Problem Solving Method
- ii) Dalton Plan
- iii) The Project Method
- iv) Heuristic Method.

Note for Paper Setter:

The paper setters shall set two questions from each unit with internal option. A candidate shall have to attempt five questions. There shall be however, no overall option in the question paper.

References:

1. Allen Dwight and Kevin, Ryan (1969) Micro Teaching, Addison Wesley Pub Co.London
2. Austin, F.M. (1961) Art of Questioning in the Classroom, University of London Press Ltd. London
3. Barle Davide (1960) The Process of Communication, Holt, New York.

4. Bhatta B. D. and Sharma, S.R. (1992) Educational Technology- concept and techniques, Kanishka Pub House, New Delhi
5. Buch, M.B. and Santharam, M.R. (1972) Communication in Classroom, CASE, Faculty of Ed. and Psy. M.S. Univ. Baroda
6. Cherry Colin (1968) On Human Communication, MIT Press, Massachusetts
7. Dale Edgar (1961) Audio Visual Methods in Teaching (Revised) Holt Rinehart and Einston, New York.
8. Das R.C. (1993) Educational Technology-A Basic Text, Sterling, New Delhi.
9. Davis, Irook (1971) The Management of Learning, McGraw Hill London
10. Jangira N.K. and Ajit songh (1982) Core Teaching skills: The Micro Teaching Approach, NCERT, New Delhi
11. Joyce, B Weil, M.Midels of Teaching, Prentice Hall, New Jersey.
12. Nagpure, V. (1992) Teacher Education at Secondary Level, Himalaya Publishing House 'Ramdoot' Dr. Balerao Marg, Girgaon Mumbai.
13. Passi, B.K. (1976) Becoming Better Teacher, Micro teaching Approach, Sahitya Mudranalya, Ahmedabad.
14. Robbins, Stephens, P., Organisational Behaviour VIIIth Edition, Prentice Hall of India New Delhi.
15. Sharma, R.A. (1983) Technology of Teaching : International Publishing House
16. Rather, A.R. Introduction to Instructional Technology Gulshan Publishers Srinagar)