APPENDICES

APPENDIX - A

Syllabus- Educational Technology for B. Ed. (Shivaji University)

Unit - 1 : Educational Technology :

    a. Concept and meaning of educational Technology .

    b. Nature and scope of Educational Technology.

    c. Functions, need and significance of Educational Technology

Unit- 2 : Communication Process :

    a. Communication : concept, nature, general theory, models, components, modes and scope.

    b. Communication channels : meaning nature, classification, communicator- Communicate relationships.

    c. Problems in communication according to phases of Communication types of problems and nature of Problems.

    d. Communication approaches and use of Technology in effective educational communication.

Unit- 3 : Systems Approach to Instruction :

    a. Concept of system and systems approach.

    b. Implications of systems approach for teaching learning process.

    c. Instructional system designing: concept, components, Interrelationship of components, steps.

Unit- 4 : Resources of an Instructional system :

A} Physical Resources:

    a. Classifications: Projected/non projected, hardware/software.

    b. Hardware: Boards, radio, taperecorder, TV, Videoscope, instant slide maker, overhead projector, epidiascope, interactive video computer, transparency maker, reprographic equipments, computers etc.

    c. Software : scripts, slides, programmes learning materials,

    filmstrips, transparencies, newspapers, text-books, charts,

    maps, globes, models, pictures, records, cassettes,

    computer programmes etc.

    d. Low cost support system : Concept, need, significance, illustrations and techniques of preparation.

B} Human Resources:

    Identification, strategies for developing expertise, competencies and teaching.

Unit- 5 : Use of different media :

    a. Principles of using different media (including mass media and other media)

    b. Processes : selection, preparation and planning, execution, evaluation.

    c. Integrating these with the classroom teaching.

Unit- 6 : Management of Physical resources :

    a. Sources of different material/gadgets/hardware.

    b. Care, maintenance, scheduling and preparing operational

        instructional manual for gadgets.

    c. Lay out of educational technology laboratory or A. V. Room.

Unit- 7 : Innovation in Educational Technology :

    a. Concept and significance.

    b. Tryout strategies of an innovation, actions research.

    c. Recent innovations: TV and video lessons, computer assisted learning, interactive video, multimedia package, and language laboratory.

    d. Computer literacy.

Unit - 8 : Programmed learning :

    a. Concept and Historical background.

    b. Basic principles and functional characteristics.

    c. Styles of programming, its importance and limitations.

    d. Administration and evaluation of programme.

Unit- 9 : Educational Technology - Teacher as a change agent :

    a. Identifying strengths and weaknesses of instructional material.

    b. Determining relative effectiveness of instructional material.

    c. Sharing the experiences with others in the system.

    d. Strategies of communicating, orienting motivating others, workshop demonstration, team teaching.