

B-203: EDUCATIONAL TECHNOLOGY AND ICT

Objectives

The student teacher will be able:

- To familiarize with fundamentals of ICT.
- To get aware about the use of ICT in Education.
- To develops the skill to use multimedia.
- To utilize ICT for solving educational problems.

Course Content

Unit I: EDUCATION TECHNOLOGY

- Origin & Meaning.
- Nature, Scope, Needs & type.
- Educational Technology & Technology in Education.
- Programmed Learning.

Unit II: EDUCATION AND THE MASS-MEDIA

- Radio, TV & films: Uses, Advantages & Limitations.
- Current status of mass media in education.
- Role of teacher in using mass media.
- Open Education Resources.

Unit III: ICT & MULTIMEDIA

- Role of teaching- learning Process.
- Computer as a learning resource.
- Internet as an information resource.
- Computer- Assisted Interaction.

Unit IV: ADVANCED TECHNOLOGY IN EDUCATION

- Working of hardware(s): OHP, LCD, Computer and CCTV.
- Online learning and networking, e-mail, tele-conferencing.
- Role of CIET, UGC & IGNOU.
- EDUSAT, Educational Television & Games.

Practicum

- Development of Computer aided materials, slides, power-points etc.
- Use of internet, e-mail.
- Critical review of educational programme.
- Online Process.
- Unit test.
- Hands on experience as Computer.

Book(S) Recommended

- 1- Davis, I.K.: The Management of learning.
- 2- Smith & Moore: Programmed Learning.
- 3- Sharma, R.A. : Shiksha Takhiki.
- 4- Mangal, S.K. : Fundamentals of Educational Technology, Prakash Brothers.
- 5- Dececoo, J.P. : Educational Technology Readings in Programmed Instruction.