

CORE COURSE-IV

M.ED. CC204: COMPUTER APPLICATION

Objectives:

Students will be able to -

1. Give definition, need, categories, types, properties, values and services of information
2. Describe process, types, barriers and use of communication.
3. Apply models of teaching in classroom teaching
4. Use different technological aids in their instruction
5. Introduce system peripherals of computer, different software and operating systems
6. Introduce terminology of networking and internet
7. Use computer in instruction, evaluation and research

UNIT-I Communication of Information:

- 1.1 Components of instructional technology
objectives, learning styles, teaching strategies, resource generation
- 1.2 Concept & Meaning of communication
 - 2.2.1 Definition of communication
 - 2.2.2 Need of communication
- 1.3 Components of communication sender, receiver, message, channel, feed back, encode, decode
- 1.4 Shannon model of communication
- 1.5 Types of communication:
Message related, target related, process related
- 1.1 Barriers of communication: physical, language, psychological, back ground

UNIT-II Communication Media and Information Technology

- 2.1 Meaning of Communication Media
- 2.2 Psychological Foundations of Communication Media
- 2.3 Classification of Communication Media
 - (i) Audio, Visual and Audio-Visual (ii) Static and Motion
 - (iii) Unitary v/s Group Use, (iv) Primitive, Industrial and Modern, (v) Hardware and Software (vi) One-way & Two way
- 2.4 Production/Selection of Audio Media: Broad Cast & Non-Broad Cast Mode
- 2.5 Production/Selection of Visual Media: Slide Projection, OHP Transparency, 35mm Slide, Movie Projection, Video, Film, Multimedia Presentation

UNIT-III Model of Teaching

- 3.1 Concept, Nature and Use of Models of Teaching
- 3.2 Classification of Models of Teaching
- 3.3 Introduction to the Following Models of Teaching
 - i. Cognitive Growth Model-Jean Piaget
 - ii. Jurisprudential Inquiry Model: Donald and Liver
 - iii. Self-Control Model: B .F. Skinner
 - iv. Self-Concept Model: A. Maslow

UNIT-IV Networking and Internet

4.1 Meaning of Computer Networking

4.2 Terminology of Network: LAN, MAN, WAN, Components of LAN, Topology of Networking

4.3 Benefits of Networking

4.4 Internet: Meaning, Browser, Search Engine, WWW, Search through Internet

4.5 Tools and Services on Internet: E-mail, Telnet, Transferring Files with FTP, Mailing List, Digital Text

4.6 Hyper

4.7 Hyper Media

Practical Work: (10 Practical Compulsory)

MS-Word, MS-Excel, MS-Power point, Internet, Paint

Note: Students need to maintain journal of Practical work duly signed by teacher.