

DISTANCE EDUCATION
B.C.A. DEGREE EXAMINATION, MAY 2010.
PRINCIPLES OF INFORMATION TECHNOLOGY
(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

1. Explain briefly about the revolution in computers and communications.
(20)
2. (a) Explain about different kinds of software. (15)
(b) Explain about specialized software. (5)
3. (a) What are the factors that affect data transmission?
Explain. (10)
(b) Explain video conferencing and picture phones in detail.
(10)
4. (a) Explain in detail about analog and digital signals.
(10)
(b) Explain communication networks. (10)
5. (a) Explain File Management Systems. (10)
(b) Explain in detail about organizing data in secondary storage.
(10)
6. (a) Write short notes on Data storage. (5)
(b) Explain briefly about the types of database organization. (15)
7. Discuss briefly about five Generations of programming languages.
(20)
8. (a) Explain in detail about six phases of system analysis and design.
(15)
(b) Write short notes on Internet programming and XML.
(5)