

DE-4031

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DISTANCE EDUCATION
B.C.A. DEGREE EXAMINATION, DECEMBER 2008.
PRINCIPLES OF INFORMATION TECHNOLOGY
(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

1. (a) Discuss the six elements of a computer and communications. (12)
(b) Explain the ethics of Information Technology. (8)
2. Explain in detail about five types of applications software. (20)
3. (a) Enumerate the practical uses of communications and connectivity. (10)
(b) Explain in detail about Video Conferencing. (10)
4. (a) Discuss in detail about communications channels. (10)
(b) Explain the factors affecting data transmission. (10)
5. (a) Differentiate between compression and Decompression techniques. (10)
(b) Explain the following :
 - (i) Optical Disks
 - (ii) Magnetic Tapes.

6. (a) Discuss in detail about File Management Systems.
(b) Explain the different types of Database Organizations.
 7. (a) Describe the various generations of programming languages.
(b) Write a short note on HTML.
 8. (a) Explain in detail about Internet Programming. (10)
(b) Write a short note on Java and ActiveX. (10)
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