

BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2008

CS-611 : COMPUTER FUNDAMENTALS AND PC SOFTWARE

Time : 2 hours

Maximum Marks : 60

Note : Question number 1 is **compulsory**. Attempt any **three** questions from the rest.

1. (a) Define a Computer. Draw its Von Neumann Architecture, briefly explaining its various components. 5
- (b) Elaborate the term "Breach of Security" and explain at least eight ways that can lead to data loss. 6
- (c) Differentiate between files and folders in Windows. Write steps for creating files and folders and controlling access to them. 5
- (d) What are Business Graphics ? Explain the various types of Business Graphics, with examples. 5
- (e) What is a LAN ? Explain any four LAN Topologies. 9
2. (a) What are the advantages of using Optical Memories over the traditional magnetic memories ? Explain any two optical memories. 5

- (b) What is EDI ? Explain its benefits over the traditional methods of information flow. Support your answer with a diagram. 5
3. (a) What is a Dialog Box in Windows ? How do we move within a dialog box and what are the options available for supplying information in a dialog box ? 4
- (b) What is Cryptography ? Explain with the help of a diagram the Encryption and Decryption Process. Explain with an example, transposition and substitution. 6
4. (a) What are Tables ? How can we include tables in a Powerpoint presentation ? Write steps for setting the borders and shading for a table. 5
- (b) Why do we use looping and conditional statements in a program ? Explain with an example any three looping and conditional statements w.r.t. 'C' language. 5
5. Write short notes on the following : 10
- (a) RISC
- (b) Viruses
- (c) ISDN
- (d) Disk Fragmentation