BACHELOR IN COMPUTER APPLICATIONS

01342

Term-End Examination

June, 2011

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) What is a computer ? Describe the basic **6** architecture of a conventional Von Neumann machine, with the help of a diagram.

    (b) What is Cryptography ? Explain the **6** procedure involved in Cryptography with the help of a diagram. Also explain the two types of cipher systems.

    (c) What are Files and how are they different **6** from Folders ? Explain the various file naming conventions and also explain any six types of files.

(d) Explain the importance of tables in MS - Word. Write the steps for attaining the following tasks in tables - **6**

    (i) Creation of a table

    (ii) Sorting and numbering cells

(e) What is data communication ? Explain the need of communication Protocol/ Standards. **6**

2. (a) Differentiate between the following by giving two differences - **6**

    (i) Analog and Digital Transmission

    (ii) Parallel and Serial Transmission

    (iii) Compiler and Interpreter

(b) Explain the four categories of programming languages. **4**

3. (a) What is a WAN ? Explain the three communication switching techniques used in WANs. How WAN is different from LAN ? **6**

(b) Explain the utilities available in Windows 95 for disk defragmentation, and checking disk errors. **4**

4. (a) What are Macros ? Write steps for recording, running and editing a macro. **4**

    (b) What is electronic mail ? Give two advantages of E - mail. Also explain limitations of E - mail. **6**

5. (a) What is Parallel Processing ? Explain the four categories of parallel computers as provided by M. J. Flynn. **5**

    (b) Explain any five, windows accessories. **5**

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