BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2010

CS-612 : PC SOFTWARE SKILLS

Time : 2 hours   *Maximum Marks : 60*

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

1. (a) Explain the use of custom controls on the worksheet. Also, write the steps to create custom controls.   **6**

   (b) Prove that there is at least one prime number between x^2 and $(x+1)^2$ for all integers x satisfying $1 \le x \le 20$.   **4**

   (c) What is meant by domains in DNS ? How are they used for network addressing ?   **4**

   (d) What is a template in MS-Excel ? How is it different from Auto templates ? Explain the use of Autotemplates.   **5**

   (e) Why Search Engines are used in web ? Explain the features of any two Search Engines.   **5**

(f) Explain the concept of minimum spanning circles using an example.   6

2. (a) How does the Internet work ? Explain the role and function of all hardware devices used between client and server machine.   6

(b) At what time after 4 PM is the minutes hand of a clock exactly aligned with the hour hand ?   4

3. (a) What are the similarities and differences between the FTP and TELNET ? Also, write the steps to download a file from the FTP server.   6

(b) Write a step by step procedure to get the values of the given formula.   4

$$m = \frac{x^3 + y^2 + z}{y}$$

where, the values of x, y and z are given. The values of m must be saved in new column.

4. (a) What is a difference between E-mail and online chatting ? Explain the different components of an E-mail.   5

(b) Explain the use of Autofilters and Advanced 5
filters in MS-EXCEL with the help of an
example.

5. Write a short note on the following : **10**

(a) HTTP

(b) Pivot Table

(c) GOAL SEEK

(d) Decision Trees

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