CS-612

BACHELOR OF COMPUTER APPLICATIONS
(Pre-Revised)
01904 **Term-End Examination**
December, 2014

CS-612 : PC SOFTWARE APPLICATION SKILLS

Time : 2 hours   *Maximum Marks : 60*

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

1. (a) What is the difference between a worksheet and a workbook ? Write the step-by-step procedure to create a worksheet with data, search and replace data in worksheet.   5

    (b) What is an Excel Solver ? Explain its features in detail with example.   5

    (c) Prove that for all $n >= 4$, $2^n >= 4n$.   5

    (d) Prove that the sum of the squares of the first n integers is

    $$\frac{1}{24}(2n)(2n + 1)(2n + 2).$$ 5

    (e) What is an Internet ? What are the various types of Internet Connections ? Explain.   5

    (f) What is FTP ? Write about four commonly used FTP commands along with syntax.   5

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2. (a) What is DNS ? What are the types of DNS ? List various common domain names. *5*

  (b) What is a Web Browser ? What are the two basic categories of browsers ? Explain the essential features of any one browser. *5*

3. (a) You are given two jugs, one of capacity five litres and the other of capacity three litres and an unlimited supply of water. By a sequence of filling and emptying the jugs and pouring back and forth between the two jugs, show how you can obtain exactly four litres in the first jug. *5*

  (b) If you are given 13 coins, and one of them is heavier than the rest, how can you determine it in not more than 3 weighings ? *5*

4. (a) What are Macros ? What are their uses ? How can you create and run a macro ? How can you delete a macro ? *5*

  (b) What is a Template ? What are its uses ? How can you create and modify a template ? *5*

5. Write short notes on any *five* of the following : *5×2=10*

 (a) Pivot Table

 (b) ISP

 (c) WWW

 (d) URL

 (e) Pythagoras Theorem

 (f) Decanting Problem

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