CS-612

BACHELOR OF COMPUTER APPLICATIONS
(PRE-REVISED)
Term-End Examination

December, 2012

CS-612 : PC SOFTWARE APPLICATION SKILLS

Time : 2 hours   *Maximum Marks : 60*

Note :   (i)   *Question number 1 is **compulsory**.*
            (ii)   *Answer **any three** questions from the rest.*

1.   (a)   Three married couples are to cross a river   **6**
            in a boat which can hold only two persons,
            one of whom must row the boat. Each of
            the three husbands is a jealous man, who
            will not allow his wife to be left in a company
            of other men, unless he is also present. Show
            how the jealous husbands and their wives
            can accomplish the trip.

      (b)   For all n, prove that $2^n > = 2n$ **4**

      (c)   What is an Internet ? How to connect to   **5**
            Internet ?   List the requirements for
            connecting Internet.

      (d)   What is an e-mail ? Explain the components   **5**
            of e-mail.

(e) What is the Excel chart ? What are chart components ? Explain any two chart types available in Excel. **5**

(f) What is a Scenario ? How to create a Scenario ? How to delete a Scenario ? **5**

2. (a) What is a Function ? Explain the following functions : **5**

   (i) VLOOKUP()   (ii) AND()

   (iii) TODAY()   (iv) WEEKDAY()

   (b) If you have 12 coins, one of which is different from the rest (heavier), how will you pick it in three weightings. **5**

3. (a) What is www ? How to browse the www ? Explain about one Browser. **5**

   (b) $S_n = \left(\dfrac{1}{2}n\,(n+1)\right)^2$ prove by Induction. **5**

4. (a) What is an Internet Protocol ? What are different types of Internet Protocols ? Explain any two Internet Protocols. **6**

   (b) What is a Macro ? How to create a Macro ? **4**

5. Write short notes on *any five* of the following :   **10**
    (a) Decision Tree
    (b) Talenet
    (c) URL
    (d) Decanting problems
    (e) Pivot table
    (f) Work Sheet

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