CS-612

BACHELOR IN COMPUTER APPLICATIONS

04911

Term-End Examination

December, 2011

CS-612 : PC SOFTWARE SKILLS

Time : 2 hours *Maximum Marks : 60*

Note : (i) *Question number 1 is **compulsory**.*

(ii) *Answer **any three** questions from the rest.*

1. (a) Prove that sum of the squares of the first n 5 integers is :

$$\frac{1}{24} (2n) (2n+1) (2n+2) \text{ by induction.}$$

(b) Prove that the product of four consecutive 5 natural numbers cannot be the square of an integer.

(c) What is an E - mail ? Explain the 5 components of an E - mail.

(d) What is an Address book ? What are its 5 uses ? How to add user to address book ?

(e) What is a Function ? What are the 5 categories of functions ? Give an example of each.

(f) What is a Database in MS - Excel ? How to 5 create a Database ? How to add records in Database (in MS-Excel) ?

2. (a) What is a Scenario ? How to create Scenario   5
        in Excel ? Explain how to add, edit and
        delete a scenario.

    (b) What is Internet ? How does Internet   5
        work ? Who governs the internet ?

3. (a) What is a Telnet ? What are commonly used   5
        options on Telnet ? Explain.

    (b) What is cell referencing ? Explain relative   5
        cell referencing with an example.

4. (a) You have given Eight coins and told that   5
        one is lighter than other seven coins.
        Determine which coin is lighter in only two
        weighings.

    (b) What is a Macro ? What are its uses ?   5
        Explain how to create a Macro ?

5. Write short notes on the following :   5x2=10
    (a) Chart wizard
    (b) URL
    (c) Search Engine
    (d) Minimum Spanning Circles
    (e) Goal seek