CS-612

BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Pre-Revised)
Term-End Examination
December, 2016

00196

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 a Protocol ? Explain any two
   commonly used Internet protocols.   *5*

   (b) What is Format Painter and what are its
   uses ? Describe the steps for applying
   Format Painter.   *5*

   (c) If you have twelve coins, one of which is
   heavier from the rest, how will you pick it
   out in three weighings ? Show the steps
   using a decision tree.   *8*

(d) How are Decanting problems solved ? Consider the following problem and provide the solution :

You are provided a 12 lts vessel filled with water and two vessels of 9 lts and 5 lts capacity. How can you divide 12 lts water into two equal portions ? *7*

(e) Explain whether for a prime number $p >= 5$, $p^2 + 5$ is a composite or not. *5*

2. (a) Explain any five fields of an email composition window. *5*

(b) What is a URL ? Explain the parts of URL with an example. *5*

3. (a) What is a Scenario Manager ? Write the steps involved in displaying, editing and deleting a Scenario Manager. *6*

(b) Write the steps involved in applying advanced filters in MS-Excel. *4*

4. Explain the following MS-Excel functions with the help of an example for each : *10*

(a) EXACT( )

(b) TRIM( )

(c) FACT( )

(d) COUNTIF( )

(e) FLOOR( )

5. (a) Explain USENET and NEWS GROUPS of the Internet. 5

   (b) Explain what is a firewall. Describe the role of it in protecting a network from hackers. 5