

**BACHELOR IN COMPUTER
APPLICATIONS**

Term-End Examination

June, 2012

CS-612 : PC SOFTWARE SKILLS

26020
07097

Time : 2 hours

Maximum Marks : 60

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

1. (a) What is a Table ? What is a Pivot Table ? 5
How to create Pivot Table ? What are the
uses of Pivot Table ?
- (b) A boatsman must ferry across a river with 10
a wolf, a sheep and a bundle of fodder. His
boat is too small to carry more than himself
and one of the passengers at a time. He
cannot leave the wolf alone with sheep, or
the sheep alone with the fodder. Show how
he can cross without any detriment to either
sheep or fodder ?
- (c) What is a chart wizard in MS-Excel and 5
what are two of its advantages ? List the
steps involved in creating a chart through
Chart Wizard.

- (d) What is Internet ? How does it work ? 5
- (e) What is a Search Engine ? What are different types of Search Engines ? Explain. 5
2. (a) What is a Decision Tree ? Solve the following problem using Decision Tree : 5
"You have been given 13 (thirteen) coins, one of which is different (heavier) from the rest in weight how will you pick it in no more than three weighings ? Also draw the decision tree for the given problem.
- (b) Explain the use of the following functions by providing their syntax, functionality and an example for each, in context of MS-Excel : 5
- (i) SUM
 - (ii) ABS
 - (iii) FACT
 - (iv) MOD
 - (v) TRIM
3. (a) Prove that for all $n \geq 4$, $2^n > n^2$ 5
- (b) What is DNS ? What is significance of DNS ? List any two geographical and nongeographical domain names. 5

4. (a) What is a URL ? Explain the parts of URL with an example. 5
- (b) What is a Macro ? Explain how to record and run the Macro ? Also explain how to delete a Macro ? 5
5. Write short notes on *any five* of the following :
- (a) Internet Service Provider 5x2=10
- (b) Telenet
- (c) FLOOR ()
- (d) CEILING ()
- (e) SPANNING CIRCLES
- (f) PYTHAGORAS Theorem
-