

**BACHELOR IN COMPUTER
APPLICATIONS****Term-End Examination****June, 2007****CS-612 (S) : PC SOFTWARE SKILLS***Time : 2 hours**Maximum Marks : 60***Note :**

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

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1. (a) A street contains 1000 buildings. A sign-maker is contacted to number the houses from 1 to 1000. How many zeros will be needed during the numbering ? 5
- (b) Explain what are macros and why these are created in MS Excel. 5
- (c) What are custom controls ? Explain their use on the worksheet. Write the sequence of steps to create custom controls. 7

- (d) What is the remainder left after dividing
 $1! + 2! + 3! + 4! + \dots + 100!$
 by 7 ? 5
- (e) What is the importance of "Scenario" ? Write the
 step-by-step procedure for creating Scenario. 5
- (f) Explain how does E-mail System work. 3
2. (a) What is a Pivot Table in Excel ? Explain the use of
 Pivot Table ? 4
- (b) What are the different software and hardware
 components required for Internet ? Also, explain the
 use of different hardware components. 6
3. (a) At what time after 4 PM is the minutes hand of a
 clock exactly aligned with the hour hand ? 4
- (b) What is Internet ? What do you mean by ISP
 (Internet Service Provider) ? 3
- (c) Differentiate between relative, absolute and mixed
 cell reference. 3
4. (a) Prove that there is at least one prime number
 between K^2 and $(K + 1)^2$ for all integers K satisfying
 $1 \leq K \leq 20$ 4
- (b) Explain the following functions giving examples for
 each : 6
- (i) CEILING()
- (ii) EXP()
- (iii) SUBSTITUTE()

5. (a) Given a 12 litre vessel filled with milk and two empty vessels with capacity of 9 litres and 5 litres. How can you divide the milk into 2 equal portions ? Explain and write sequence of steps to solve the problem. 5
- (b) "MS-Excel Solver is a powerful optimisation and resource allocation tool." Justify the statement. 2
- (c) Write short notes on the following : 3
- (i) Telnet
 - (ii) FTP

