THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF MANAGEMENT STUDIES DEGREE PROGRAMME
LEVEL – 4
ASSIGNMENT TEST 2017
COMPUTERS AND INFORMATION SYSTEMS IN BUSINESS – MCU2209
DURATION: TWO (02) HOURS

Date: 29.01.2017   Time: 2.00pm – 4.00pm

INSTRUCTIONS
Answer question 1 and any two from the rest.

Question 1 – Compulsory Question.

(i)   Identify the uses of USB Ports.   (06 Marks)

(ii)   Explain the main memory of a computer system with its key features.   (05 Marks)

(iii)   Identify the applications and limitations of following secondary memory devices.
           a) Hard Disk Drive
           b) Optical Disks
           c) USB Flash Memory (Pen drives)   (15 Marks)

(iv)   Briefly explain following input and output devices of computer systems with their
           key features.
           a) Key boards
           b) Scanners
           c) Bar code readers
           d) Web camera
           e) Laser printer
           f) Thermal printer
           g) Speaker
           h) Multimedia projector   (24 Marks)

Answer any TWO questions from the following
Question 2

(i)   Describe why computer systems need software?   (05 Marks)

(ii)   Differentiate system software and application software. Give examples for each
           category.   (08 Marks)

(iii)   Briefly explain the advantages and disadvantages of obtaining necessary software
           from following sources for accounting, sales management and inventory handling
           purposes of a pharmaceutical importing and distribution company.   (12 marks)

           A. In house software development.

           B. Purchase readily available software packages.

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Question 3

   (i)   Differentiate 'data' and 'information'.   (06 Marks)

   (ii)   Briefly explain the sequential access and random access file organizations. What are the advantages of random access file organizations over the other?   (9 Marks)

   (iii)   Explain following data base models.

       (a) Hierarchical data base.

       (b) Relational data base.   (10 Marks)

Question 4

   (i)   (a) Explain why present day organizations need information systems. How can information systems assist organizations to improve their efficiency and effectiveness?

       (b) Describe the negative impacts of information systems.   (10 Marks)

   (ii)   Describe the components of information technology "infrastructure".   (15 Marks)

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