University of Kelaniya – Sri Lanka

External Examinations Branch
Faculty of Commerce and Management

Bachelor of Business Management (General) Degree First Examination – (External) 2009
October 2010

BMGT E 1065 - Information Technology

No. of Questions : 06

Time : 03 hours

Answer only five (05) questions.

(01)   Today computerized Information System (IS) are being widely used in all areas of human life.

(a)   Explain what do you mean by an Information System as well as a computer based information system (CBIS) giving major components and examples of CBIS.

(05 marks)

(b)   State the usage and the importance of Information Technology in the field of Management.

(05 marks)

(c)   Explain 3 devices which can be used as input as well as output devices of a computer.

(05 marks)

(d)   Compare characteristics of primary storage with those of the secondary storage.

(05 marks)

(02)   To play a useful role in the firm's information technology system, computer hardware requires computer software.

(a)   What is the difference between computer software and hardware?

(02 marks)

(b)   Explain why do you unable to run your computer without system software giving latest examples for them.

(08 marks)

(c)   What are the uses of following types of Application softwares? Explain using suitable examples.

      I.   Word processing Software

      II.   Spreadsheet Software

      III.   Database Software.

      IV.   Presentation Graphics Software

      V.   Web Browsers.   (10 marks)

                                    (Total 20 marks)

(03)   (a)   Differentiate between data and information with suitable examples.

                                     (04 marks)

(b)   "Decrease in size and increase in performance of a computer could be seen since 1940."

Do you agree with this statement? Support your answer emphasizing important discoveries made in various periods in the past.

                                     (08 marks)

(c)   Convert following decimal numbers into their equivalent binary numbers.

    I   64   III   81

    II   325   IV   411

Convert the following binary numbers into decimal.

    I   11100111   III   1111011

    II   101010   IV   1000110

                                         (08 marks)

                                    (Total 20 marks)

(04)   (a)   "Define a database and a database Management System in the context of information technology.

                                     (02 marks)

(b)   Describe the principle types of database approaches and advantages and disadvantages of each.

                                       (08 marks)

(c)   A certain higher educational institute keeps track of information about their students, subjects and results in a relational database. The database consists of three different tables.

    I   Draw an entity relationship diagram to depict the above scenario.

II   What are the three most important SQL commands that can be used to manipulate data in the above database.

III   Write a SQL query to retrieve names, student numbers and subjects each student selected.

(10 marks)
(Total 20 marks)

(05) (a)   What is Internet? List and describe the major internet capabilities.

(06 marks)

(b)   Name the principle Network topologies and state advantages and disadvantages of each.

(06 marks)

(06) Why has tele communication technology become such an important issue for today's managers and organizations.

(08 marks)
(Total 20 marks)

(06) Write short notes on any five (05) of the following.

I   World Wide Web.

II   WAN and LAN

III   Batch Processing and Online Processing

IV   ROM and RAM

V   Web Portal

VI   Search Engine

(5x04 marks)
(Total 20 marks)