University of Kelaniya - Sri Lanka
Centre for Open and Distance Learning
Faculty of Commerce and Management Studies
Bachelor of Business Management (General) Degree

Year I Examination (External) - 2008

BMGT E 1065 - Information Technology

No. of Questions: 06   Time: 03 hours

Each question carries 20 marks

Answer any five (05) questions only.

(01)   I   What are the major components of a contemporary computer hardware system and briefly state the role of each?

                                                        (05 Marks)

      II   Describe client server network computing giving examples.

                                                        (05 Marks)

      III   What are batch processing and online processing? Give specific real world examples for each.

                                                        (05 Marks)

      IV   Explain what do you mean by an Information System.

                                                        (05 Marks)

                                                (Total 20 Marks)

(02)   I   State and describe the key problems of traditional file based data management approach

                                                        (05 Marks)

      II   State some benefits of a DBMS and few examples for them.

                                                        (05 Marks)

      III   A certain construction firm keeps track of information about their orders, parts and suppliers those who supply parts, in a relational database. The database consists of three different tables.

         a)   Draw an entity relationship diagram to depict the above scenario

         b)   Write a SQL query to retrieve names, identification numbers and addresses of suppliers those who supply each part to the firm.

                                                        (10 Marks)

                                                (Total 20 Marks)

(03)   I   What are the two basic types of software? Give examples of software belonging to each of these types

                                                        (04 Marks)

      II   List down 10 different facilities available in a word processing package. Briefly describe how you would apply 5 selected facilities to make your documents enhanced and reusable.

                                                        (08 Marks)

III   a)   Write some different tasks that Ms-Excel can perform or some different major areas where Excel can be applied

      b)   Describe following in terms of Ms-Excel

-     Workbook and its content
-     Column letter

(08 Marks)
(Total 20 Marks)

(04)   I   Describe the role of electronic switches and binary codes in the representation, storage and transmission of data inside a computer.

(04 Marks)

II   Convert following decimal numbers in to their equivalent binary numbers.

a)   18   b)   257

Convert the following binary numbers into decimal

c) 11010011   d)   1011100

(08 Marks)

III   " 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)
(Total 20 Marks)

(05)   I   What are the elements of a data communication system? Explain using examples.

(04 Marks)

II   Briefly describe three computer networking topologies giving advantages and disadvantages for each.

(06 Marks)

III   Give examples for viruses that can damage software and / or hardware, and three precautions that can be taken to avoid virus attacks and three methods of destroying them.

(10 Marks)
(Total 20 Marks)

(06)   Write short notes on five of the followings

I   Computer data storage units and measurements

II   Direct access storage devices and sequential access storage devices

III   Computer Input and output methods

IV   Internet Service Provider

V   Web Server

VI   Modem

(10 Marks)
(Total 20 Marks)