University of Kelaniya - Sri Lanka

Centre for Distance and Continuing Education

Faculty of Commerce & Management Studies

Bachelor of Business Management (General) Degree First Examination (External) – 2012/ 13

January/ February - 2016

BMGT E 1065/ BMGT 13065 – Business Informational Technology

No of questions – 06   Time: 03 Hours

This paper has three parts: Part A , B and C. all questions in Part A and B are compulsory and they will carry 40 Marks. Apart from that, Answer any 3 (03) Questions from Part C.

Part A

(01)   Answer for all questions, select the most appropriate answer and   underline it. Answers providing in separate papers are not accepted and marked.

(i)   Information is known to be,

     a.   Data

     b.   Processed Data

     c.   Manipulated input

     d.   Computer output

     e.   none of the above

(ii)   Strategic information is required by

     a.   Middle managers

     b.   Line managers

     c.   Top managers

     d.   All workers

     e.   Suppliers

(iii)   In motor car manufacturing, the following type of information is strategic

    a.   Decision on introducing a new model

    b.   Scheduling production

    c.   Assessing a competitor car

    d.   Computing sales tax collected

    e.   all of the above

(iv)   Management information systems (MIS)

    a.   create and share documents that support day-today office activities

    b.   Process business transactions

    c.   capture and reproduce the knowledge of an expert problem solver

    d.   use the transaction data to produce information needed by managers to run the business

    e.   none of the above

(v)   If a university sets up a web-based information system that faculty could access to record student grades and to advise students, that would be an example of a/an

    a.   CRM

    b.   intranet

    c.   ERP

    d.   extranet

    e.   none of the above

(vi)   An information system that supports planning and assessment needs of executive management is

    a.   Decision Support System

    b.   Transaction Processing System

    c.   ERP

    d.   Management Information System

    e.   none of the above

(vii)   Contemporary Information Systems are interfacing with customers and suppliers is known as,

   a.   Business Process Re-engineering

   b.   Customer Relationship Management

   c.   Supply Chain Management

   d.   Both a and b

   e.   Both b and c

(viii)   Which of the following is not a class of information system applications?

   a.   database management system

   b.   decision support system

   c.   expert Information system

   d.   management information system

   e.   office automation system

(ix)   Select the most suitable term to fill in the blank of the following statement. In a typical .... network, application processing is shared between clients and one or more servers.

   a.   Client-Server computing

   b.   Cloud computing

   c.   Mobile computing

   d.   Data computing

   e.   none of the above

(x)   Data mining is used

   a.   in Operational management

   b.   to analyze past decisions made by managers

   c.   to detect patterns in operational data

   d.   to retrieve archival data

   e.   to aid strategic management

(2.5 Marks for each)

(Total 25 Marks)

Part B

(02)   Answer for this Part B must be provided in separate papers supplied.

   a)   What are the major components of a computer.

                                                                 (03 Marks)

   b)   What is the role of Random Access Memory?

                                                                 (03 Marks)

   c)   What is secondary storage? Name two secondary storage devices?

                                                                 (03 Marks)

   d)   Name Two non-physical external storage options available for storing data.

                                                                 (03 Marks)

   e)   Name the three types of Cloud computing options.

                                                                 (03 Marks)

                                                             (Total 15 Marks)

Part C

(03)   Answers for this part must be provided in separate papers supplied.

   a)   How does internet work? Explain by an illustration.

                                                                 (05 Marks)

   b)   What do you mean by Peer to Peer computing? How can it be different from
          Client- Server computing?

                                                                 (07 Marks)

   c)   Face book is a social network where users can share their photos, comments, and
          likes. Identify 4 other Social Media networks available in the internet and briefly
          describe the nature of them.

                                                                 (08 Marks)
                                                             (Total 20 Marks)

04) a) Explain what system software is by highlighting their functions.

(05 Marks)

b) What major threats can be confronted against a Computer system?

(05 Marks)

c) What is the functionality of Virus Guard and Internet Security system?

(05 Marks)

d) What are the physical preventions needed to safeguard the computer system?

(05 Marks)

(Total 20 Marks)

(05) a) What do you mean by cloud computing?

(05 Marks)

b) What do you mean by Software as a Service (SaaS)? Provide examples for such services available.

(07 Marks)

c) What are the benefits and risks of using cloud application software rather than installing application software in Computers?

(08 Marks)

(Total 20 Marks)

(06) a) What do you mean by DBMS? What is its purpose?

(05 Marks)

b) What is Big data? Explain with examples.

(05 Marks)

c) What do you mean by Data Warehouse? What is its purpose?

(05 Marks)

d) What is Data mining? Explain by an example.

(05 Marks)

(Total 20 Marks)