



**University of Kelaniya – Sri Lanka**

***External Examinations Branch***

**Faculty of Commerce & Management Studies**

**Bachelor of Business Management (General) Degree First Examination  
(External) – 2010  
January 2012**

**BMGT E 1065 – Information Technology**

**Time: 03 Hours**

This question paper consists of three (03) parts - part I, II and III

**Instructions.**

- (i) Answer all questions in parts I and II.
- (ii) Part I consists of 15 Multiple choice questions. Each question carries 02 marks. Total marks for part I is 30.
- (iii) Part II consists of 10 questions. Each question carries 02 marks. Total marks for part II is 20.
- (iv) part III comprises of 03 questions. You are expected to answer 02 questions only. Each question carries 25 marks. Total marks for part III is 50.
- (v) It is compulsory to write answers for the questions in part I and II in the question paper itself and it should be attached to the answer booklet containing answers for part III.
- (vi) Part I and II of the question paper should not be taken out of the examination hall.
- (vii) Do not use additional paper to answer the questions in Parts I and II.

6. Which one of the following is a reason that users should log on with a username and password?
  - a. To be aware of who is in the building.
  - b. To check up on the time-keeping of users.
  - c. To protect computers against unauthorized use.
  - d. To enable a personalized greeting for each user.
  
7. Which one of the following statements about a password is **TRUE**?
  - a. It must be changed only if it is compromised.
  - b. It cannot contain special character symbols.
  - c. It should be a strong one which other cannot guess.
  - d. It must be registered with the system administrator.
  
8. Which one of the following is an unsafe online activity?
  - a. Giving your home address to someone you met in a chat room.
  - b. Using a screen name or nick name that cannot identify you.
  - c. Meeting someone you met online face-to-face in the company of your parents.
  - d. Keeping your social network profile private.
  
9. Which one of the following describes Bluetooth?
  - a. Short-range wired protocol for exchanging data.
  - b. Short-range wireless protocol for exchanging data.
  - c. Long-range wireless protocol for exchanging data.
  - d. Long-range wired protocol for exchanging data.
  
10. Which one of the following would **NOT** happen if a computer suddenly malfunctions?
  - a. The operating system will fail.
  - b. Files saved on the hard drive will be lost.
  - c. All off-site backups will be lost.
  - d. Some software may have to be reinstalled.
  
11. Which one of the following shows file size from smallest to largest?
  - a. Gigabyte, Megabyte, Kilobyte, Byte.
  - b. Megabyte, Gigabyte, Kilobyte, Byte.
  - c. Byte, Kilobyte, Megabyte, Gigabyte.
  - d. Byte, Megabyte, Kilobyte, Gigabyte.

12. Which one of the following statements about software copyright is **TRUE**?
- a. Copyright promotes the illegal use of software.
  - b. Copyright is the exclusive legal right of software authors to produce copies of their own software.
  - c. Copyright is designed to protect a disk against computer viruses.
  - d. Copyright will prevent a CD-ROM from being duplicated.
13. Which one of the following corresponds to the given set of activities in correct order "pointing and clicking, reading, displaying, voicing"
- a. Speaker, mouse, monitor, input
  - b. Mouse speaker, monitor, barcode reader
  - c. Mouse, barcode reader, monitor, speaker
  - d. Barcode reader, speaker, monitor, mouse
14. Which category of computer-based information systems are concerned with supporting the clerical work an organization?
- a. Office automation systems
  - b. Strategic information systems
  - c. Business information systems
  - d. Expert systems
15. What is a Word Processor used for?
- a. To analyze figures
  - b. Creating and editing documents
  - c. Storing information
  - d. Preparing presentations

**Part II**

Write answers for questions in the given space

01. What is meant by a Computer Based Information System (CBIS)?

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.....  
.....

02. What are the components of a contemporary computer system?

- (a) .....
- (b).....
- (c) .....
- (d) .....
- (e) .....
- (f) .....

03. What is the difference between computer software and hardware?

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.....  
.....

04. Compare characteristics of primary storage with those of the secondary storage.

Primary storage

Secondary storage

- (a).....
- (b) .....

05. Compare characteristics of mainframe computers with those of personal computers (PC).

Mainframe Computers

Personal Computers

- (a) .....
- (b) .....

06. Distinguish between an analog and a digital signal

.....  
.....  
.....

07. Name two (02) advantages of networking

- (a) .....
- (b) .....

08. Name basic text formatting methods available in a word processor.

(a) .....

(b).....

(c) .....

(d) .....

09. Define what is meant by 'multitasking'.

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10. What is the difference between a logical and a physical view of data?

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.....  
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### Part III

- i. Use a separate answer booklet to answer questions in this section.
- ii. Answer only two (02) questions out of three (03) questions.

01. (a) Describe what is meant by an operating system of a computer? Name and describe main operating system capabilities. (12 marks)
- (c) What is object-oriented programming? How does it differ from conventional software development? (07 marks)
- (d) List and describe the principal issues in managing hardware and software assets. (06 marks)
- (Total 25 marks)

02. (a) Name and briefly describe the three components of a DBMS (10 marks)
- (b) i. Supplier and part information are given in SUPPLIER and PART tables. Write a SQL query to obtain supplier names, supplier identification numbers and addresses of suppliers who supplies Door latch and Door handle.

SUPPLIER

Supplier_Number	Supplier_Name	Supplier_Address
4058	Perera	42, Main Street, Kandy
2038	Fernando	112/A, Kandy Rd, Nittambuwa
1125	Gomez	21, Jaya Mawatha, Kegalle

PART

Part_Number	Part_Description	Unit_Price	Supplier_Number
137	Door latch	22.50	4058
145	Door handle	26.25	2038
150	Door seal	6.00	4058
152	Compressor	70.00	1125

- ii. Show how the above SQL query would display. (15 marks)
- (Total 25 marks)

03. (a) Why has telecommunication technology become such an important aspect for managers and organizations? (09 marks)
- (b) Write short notes on any four (04) of the following
- i. Problem of accessing internet in Sri Lanka.
  - ii. Value-Added Networks (VANs)
  - iii. Peer-to-peer computing
  - iv. Search engine
  - v. Modem

(04 x 04 marks = 16 marks)  
(Total 25 marks)