



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) – 2011

December 2013

BMGT E 1065 – Information Technology

No of questions – 08

Time: 03 Hours

Introduction to candidates

- Part I and Part II should be attempted compulsorily
- Only two (02) questions out of your (04) questions, should be attempted from Part III.

Part I

1. This is/these are a huge threat to an information system?
 - a. Virtual Private Networks
 - b. Hacking
 - c. Viruses
 - d. Only (b), and (c)

2. Internet is belonged to;
 - a. United States of America
 - b. United Kingdom
 - c. United States of America and United Kingdom
 - d. None of the above

3. MS Access is an example for;
 - a. Word Processor
 - b. Database Management System
 - c. Spreadsheet
 - d. None of the above

4. Keyboard is a;
 - a. Input device
 - b. System software
 - c. Output device
 - d. None of the above.

5. Users can save their personal information in;
 - a. Random Access Memory
 - b. Hard Disk Drive
 - c. Both (a), and (b)
 - d. None of the above

6. Information systems can be affected with;
- Hardware failures
 - Software failures
 - Natural Disasters
 - All of the above
7. Useless e-mails are called;
- Cookies
 - Viruses
 - Spam
 - Outbox
8. Data structure is prepared respectively *with*;
- File → Table → Record → Field
 - Dataset → Table → Record → Field
 - Dataset → Records → Table → Field
 - File → Records → Table → Field
9. This is not an example for an operating system;
- Android
 - Ubuntu
 - Apple
 - Windows XP
10. Command Line Interface (CLI);
- is less user friendly
 - is widely used in personal computers
 - consists of menus and icons
 - designed for Biological computers

(Marks = 2.5×10)

Short answer questions

Fill in the blanks with appropriate terms.

11. Good and quality information are *Accurate, Complete,* _____,
_____ and _____.
12. Broadband connection can be divided into two (2) sub categories.
- _____
 - _____
13. $2DA_{HEX}$ converted to Octal, the answer is _____
14. Data logging, Barcode Readers, (MICR) are _____ data capturing techniques.
15. Personal Computers, Desktop Computers, _____, _____,
_____ etc are "*different types of computers*".

(Total marks 40)

Part II

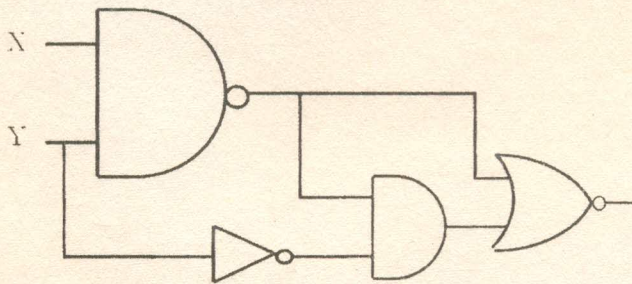
1) "There are three levels (Top Level, Middle Level and Lower Level) in the managerial hierarchy". Explain the information requirements at these levels and information systems associated with each level.

(10 Marks)

2) Name and explain the major categories of software.

(10 Marks)

3) Derive the truth table for following logic gate.



(10 Marks)

Part III

(01) An institution sells vehicles. If the engine capacity is greater than 3 Litres, then the tax is Rs. 500/=. If the engine capacity is greater than 2 Litres, then the tax is Rs. 300/=. If the engine capacity is greater than 1 Litre, then the tax is Rs. 100/=. If the engine capacity is less than 1 Litre, then there is no tax. Develop a flowchart to calculate the tax on vehicle sales.

(15 Marks)

(02) Explain three (3) of the following terms.

- i. Internet Service Provider (ISP)
- ii. Databases
- iii. HTML (Hyper Text Mark-up Language)
- iv. Input Devices
- v. Nanotechnology
- vi. Search Engines

(3 Marks × 5 = 15 Marks)

(03) Briefly explain five (5) network topologies.

(15 Marks)

(04) Name and explain four (4) internet services commonly used in the world.

(15 Marks)