



EASTERN UNIVERSITY, SRILANKA  
FACULTY OF COMMERCE AND MANAGEMENT  
FIRST YEAR FIRST SEMESTER EXAMINATION IN  
BUSINESS ADMINISTRATION / COMMERCE - 2009/2010 (MAY/JUNE, 2011)

**MGT 1012, MGT 1112 INTRODUCTION TO INFORMATION TECHNOLOGY**

(Proper/Repeat/Re-Repeat)

Answer all questions

Time: 2 Hours

Part A: Choose most appropriate answer for the following and mark in the given answer script.

- 1) Which of the following is not a computer operating system?
  - a) MS-Dos
  - b) Linux
  - c) Google
  - d) MacOS
- 2) One Kilo byte consists of
  - a) 8192 bits
  - b) 1024 bytes
  - c) both a & b are true
  - d) none of the above
- 3) Chief component of third generation computer was
  - a) Transistors
  - b) Vacuum Tubes
  - c) Integrated Circuits
  - d) none of the above
- 4) What are the five main components of a computer system?
  - a) CPU, CD-ROM, Mouse, Keyboard, Sound card
  - b) CPU, Video Card, Monitor, Software, Hardware
  - c) CPU, Modem, Keyboard, Printer, Screen
  - d) CPU, Memory, System bus, Input devices, Output devices
- 5) How do the main components of the computer communicate with each other?
  - a) using system bus
  - b) using memory
  - c) using keyboard
  - d) using telephone
- 6) A speaker can serve as
  - a) output device
  - b) storage device
  - c) input device
  - d) none of the above
- 7) An example for non-impact printer is
  - a) Laser printer
  - b) Inkjet printer
  - c) Dot matrix printer
  - d) all the above
- 8) Which of the following is a secondary memory device?
  - a) serial port
  - b) Disk
  - c) RAM
  - d) ROM

- 9) Central Processing Unit is combination of
- arithmetic logical unit and input unit
  - arithmetic logical unit and control unit
  - control unit and storage unit
  - control unit and output unit
- 10) Firmware is a
- part of a software that used to boot the computer
  - part of hard ware that used to boot the computer
  - combination of input and output devices
  - combination of hardware and software
- 11) CD-ROM stands for
- Compact Data Read Only Memory
  - Compact Disc Read Only Memory
  - Compactable Read Only Memory
  - Compactable Disc Read Only Memory
- 12) Which computer memory is used for storing programs and data currently being processed by the CPU?
- volatile memory
  - mass memory
  - Hard disk
  - PROM
- 13) Floppy Disk is a
- semiconductor memory
  - memory register
  - magnetic memory
  - optical memory
- 14) EEPROM stand for
- Electrically Erasable Programmable Read Only Memory
  - Electronic Erasable Programmable Read Only Memory
  - Easily Erasable Programmable Read Only Memory
  - None of the above
- 15) Which of the following is not a function of an operating system?
- Input, output management
  - Power management
  - Processor management
  - File management
- 16) ASCII stands for:
- American Standard Case for Institutional Interchange
  - American Standard Code for Information Interchange
  - American Standard Code for Interchange Information
  - American Stable Code for International Interchange



- 17) Programs designed to perform specific tasks is known as
- a) system software
  - b) operating system
  - c) utility programs
  - d) application software
- 18) The decimal equivalence of  $111101.011_2$  is
- a) 61.125
  - b) 61.250
  - c) 61.375
  - d) 61.875
- 19) The Hexadecimal equivalence of  $111101011_2$  is
- a)  $F51_{16}$
  - b)  $1EB_{16}$
  - c)  $753_{16}$
  - d)  $13223_{16}$
- 20) The binary equivalence of  $ABC_{16}$  is
- a)  $101011101100_2$
  - b)  $110010111010_2$
  - c)  $101010101011_2$
  - d)  $101010111100_2$
- 21) Which of the following is not a web browser?
- a) Opera
  - b) Dreamweaver
  - c) Safari
  - d) Netscape Navigator
- 22) A computer virus is
- a) an application software
  - b) a system software
  - c) a utility software
  - d) a self replicating program
- 23) A computer virus will not spreads when
- a) an infected program is executes
  - b) an infected file is being downloaded from internet
  - c) you read emails
  - d) an infected removable storage device is inserted
- 24) The advantage of a computer network is
- a) no virus attack
  - b) security of information guaranteed
  - c) very little initial cost
  - d) sharing of resources
- 25) A Local Area Network is
- a) a network of computers confined to a building
  - b) a network that have around three to hundred computers
  - c) a network in a small office
  - d) all of the above

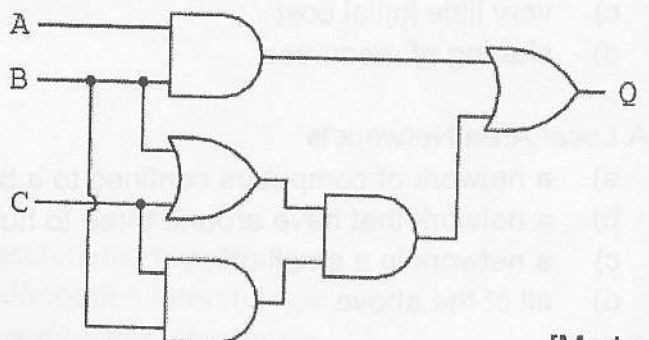
Part B: Answer all questions

1. 1. Discuss the importance of information technology in the business sector.
2. Draw the block diagram of a computer and explain the major functions of each part.
3. List the major technologies used in each generation of the computers.
4. Define the operating system and list its four main functions.
5. What are the two type of software? Give two examples for each type.
6. What do you understand by Firmware? Give two examples for it.
7. List four input devices and four output devices.
8. What do you understand by Embedded Computers? Give two examples for such computers.
9. List five types of data that a computer can handle.
10. Describe the term 'Data Processing' with listing some data processing activities.

[Marks 25]

2. 1. Discuss the application of the Internet and E-mail in the economic development.
2. Convert the following decimal numbers to binary numbers:
  - i.  $75.75_{10}$
  - ii.  $10.625_{10}$
3. Convert the following hexadecimal numbers to binary numbers:
  - i.  $AFB6_{16}$
  - ii.  $1693_{16}$
4. Convert the following decimal numbers to binary and then convert them to hexadecimal numbers:
  - i.  $157_{10}$
  - ii.  $681_{10}$
5. Define the term Computer Network and list its advantages and disadvantages.
6. Define the term Computer virus and discuss how a computer can get a virus and how it spreads among the computers.
7. Discuss the advantages and disadvantages of e-mail over the traditional postal system.
8. Complete the following truth table showing the intermediate outputs for the given logic circuit.

A	B	C							Q
0	0	0							
0	0	1							
0	1	0							
0	1	1							
1	0	0							
1	0	1							
1	1	0							
1	1	1							



[Marks 25]