



EASTERN UNIVERSITY, SRI LANKA

FACULTY OF COMMERCE AND MANAGEMENT

1ST YEAR 1ST SEMESTER EXAMINATION IN B.BA./ B.COM. - 2012/2013

[JAN., FEB. - 2015]

MGT 1012 – 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 SHEET.

1. Which of the following is/are advantages of Computer?
A). Speed C). Efficiency
B). Accuracy D). Storage
a) A & B b) B, C & D
c) A, C & D d) A, B, C & D
2. LSI stands for
a) Low Scale Integration b) Large Scale Integration
c) Large Scale Interaction d) Logical Secrete Integration
3. _____ print characters by spraying electrically charged ink onto the paper.
a) Laser Printer b) Line Printers
c) Thermal Printer d) Ink-jet Printers
4. _____ comprises the electronic, electrical and mechanical components of the machine.
a) Software b) Hardware
c) Both A & B d) Operating System
5. Operating System is the system software, which acts as an interface between the _____ and _____
a) User & Computer b) Hardware & Software
c) User & Software d) User & Hardware
6. VGA stands for
a) Video Graphics Array b) Visual Graphics Array
c) Volatile Graphics Array d) Video Graphics Adapter
7. Internet is _____
a) Network of Networks b) Networks of Hardware
c) Networks of Data d) Networks of People

8. Which of the following is/are the web browsers?
 a) Internet Explorer b) Netscape Navigator
 c) Opera d) All A, B, C

A	B	Output
0	0	1
0	1	0
1	0	0
1	1	0

9. The given truth table represents a
 a) XOR gate b) NOR gate
 c) XNOR gate d) NAND gate
10. A computer program that converts an entire program into machine language is called a/an
 a) Interpreter b) Simulator
 c) Compiler d) Commander
11. The two kinds of main memory are
 a) Primary and secondary b) Random and sequential
 c) ROM and RAM d) All of above
12. The process of loading the operating system from the secondary memory to primary memory is known as _____
 a) Standby b) Booting
 c) Re-booting d) None-of the above
13. The central processing unit (CPU) consists of
 a). Input, output and processing
 b). Control unit, primary storage, and secondary storage
 c). Control unit, arithmetic-logic unit and primary storage
 d). Control unit, processing, and primary storage
14. EEPROM stand for
 a). Electrically Erasable Programmable Read Only Memory
 b). Easily Erasable Programmable Read Only Memory
 c). Electronic Erasable Programmable Read Only Memory
 d). None of the above
15. A hybrid computer
 a) Resembles digital computer b) Resembles both a digital and analog computer
 c) Resembles analog computer d) None of the above
16. The silicon chips used for data processing are called
 a) RAM chips b) ROM chips
 c) PROM chips d) Micro processors
17. The instructions for starting the computer are housed on
 a) Random access memory b) CD-Rom
 c) Read only memory chip d) All of above
18. Which of the following is/are the elements of multimedia?
 a) Text b) Sound
 c) Graphics d) All A, B & C

19. WAN stands for
- a) Wap Area Network
 - b) Wide Area Network
 - c) Wide Array Net
 - d) Wireless Area Network
20. Which of the following is required when more than one person uses a central computer at the same time?
- a) Terminal
 - b) Light pen
 - c) Digitizer
 - d) Mouse
21. As compared to the secondary memory, the primary memory of a computer is
- a) Large
 - b) Cheap
 - c) Fast
 - d) Slow
22. Which of the following memories has the shortest access times?
- a) Cache memory
 - b) Magnetic core memory
 - c) ROM
 - d) RAM
23. The Hexadecimal equivalence of 1111010.011_2 is
- a) F4.3
 - b) E4.3
 - c) 7A.3
 - d) 7A.6
24. The Octal equivalence of $2A1.3A_{16}$ is
- a) 5201.162
 - b) 1241.162
 - c) 5201.164
 - d) 1241.164
25. The Hexadecimal equivalence of 12643.32_8 is
- a) AD11.62
 - b) 15A3.68
 - c) 53211.32
 - d) 15A3.62

Part B: Answer all questions.

Q1.

- a). Define the term *computer*.
- b). List five advantages and five disadvantages of computers.
- c). Discuss briefly the different computer generations.
- d). Define analog, digital and hybrid computers.
- e). What do you understand by Embedded Computers? Give two examples for such computers.
- f). Write short notes about Input unit, output unit and central processing unit of a computer system.
- g). What is cache memory?
- h). Briefly define the System Software and Application Software. Give three examples for each type.
- i). What it meant by USB port?

Q2.

- a). List the hardware, software and other requirements for connecting a home computer to the internet.
- b). What is Email? List the advantages and disadvantages of Email.
- c). Why a spyware is considered harmful software?
- d). Write short notes on the following:
 - i) Telecommuting;
 - ii) Social networking.
- e). Do the following numeric conversions:
 - i) Convert the following into Binary numbers (Base 2).
 1. $1AE2_{16}$
 2. 0.8125_{10}
 3. 3762_8
 - ii) Convert the following into Octal numbers (Base 8).
 1. $DBC3_{16}$
 2. 123.8125_{10}
 3. 1100110011_2
 - iii) Convert the following into Hexadecimal numbers (Base 16).
 1. 658_{10}
 2. 725.61_8
 3. 1100110011.110011_2



EASTERN UNIVERSITY, SRI LANKA
FIRST YEAR FIRST SEMESTER EXAMINATION IN
BUSINESS ADMINISTRATION / COMMERCE - 2012/2013

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Index No.:

Marks:

Use this answer script to answer the questions in Part A

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