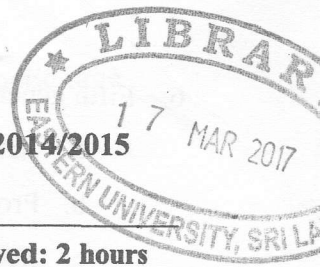# EASTERN UNIVERSITY OF SRILANKA

FACULTY OF COMMERCE AND MANAGEMENT

FIRST YEAR FIRST SEMESTER EXAMINATION IN BBA/BCOM 2014/2015

MGT 1012– INTRODUCTION TO IT (THEORY)

Answer all questions   **Time allowed: 2 hours**

Part I

*Select the most appropriate answer from the given four choices.
*All question will carry equal marks.
*All questions should be answered.

1. The brain of any computer system is
   a. ALU
   b. Memory
   c. CPU
   d. Control unit

2. An optical input device that interprets pencil marks on paper media is
   a. O.M.R
   b. Punch card reader
   c. Optical scanners
   d. Magnetic tape

3. A hybrid computer uses a _____ to convert digital signals from a computer into analog signals.
   a. Modulator
   b. Demodulator
   c. Modem
   d. Decoder

4. A language which is close to that used within the computer is
   a. High-level language
   b. Assembly language
   c. Low-level language
   d. All of the above

5. The basic architecture of computer was developed by
   a. John Von Neumann
   b. Charles Babbage
   c. Blaise Pascal
   d. None of these

1

6. Fifth generation computers are based on
    a. Artificial Intelligence
    b. Programming Intelligence
    c. System Knowledge
    d. VVLSI

7. First generation of computer was based on which technology?
    a. Transistor
    b. LSI
    c. VLSI
    d. Vacuum Tube

8. Microprocessor was introduced in which generation of computer?
    a. 1st Generation
    b. 3rd Generation
    c. 4th Generation
    d. 5th Generation

9. Which of the following memory is non-volatile?
    a. RAM
    b. SRAM
    c. DRAM
    d. ROM

10. GUI stands for
    a. Graph Use Interface
    b. Graphical Universal Interface
    c. Graphical User Interface
    d. Graphical Unique Interface

11. Any data or instruction entered into the memory of a computer is considered as
    a. Storage
    b. Input
    c. Output
    d. Information

12. Which one of the following is not an application software package?
    a. Redhat Linux
    b. Microsoft Office
    c. Adobe PageMaker
    d. Open Office

13. Which of the following is not an advantage of magnetic disk storage?

    a. The access time of magnetic disk is much less than that of magnetic tape

    b. Disk storage is less expensive than tape storage

    c. Disk storage is longer lasting than magnetic tape

    d. None of the above

14. Which was an early mainframe computer?

    a. UNIAC

    b. FUNTRIA

    c. BRAINIA

    d. ENIAC

15. Which network protocol is used to send e-mail?

    a. FTP

    b. SSH

    c. POP3

    d. SMTP

16. Operating System is the most common type of _____ software.

    a. Communication

    b. Application

    c. System

    d. Both c and c

17. Arithmetic logic unit

    i. perform arithmetic operations

    ii. store data

    iii. Perform comparison

    iv. communicate with input devices

From above the correct one is

    a. i only

    b. ii Only

    c. i and ii only

    d. i and iii only

18. The operating system manages

    a. Memory management

    b. File Management

    c. Disk and I/O Devices

    d. All of the above

3

19. A kilobyte also referred to as KB, is equal to:

    a. 1000 bytes

    b. 1024 bytes

    c. 2048 bytes

    d. 512 bytes

20. Which of the following device can be used to directly image printed text?

    a. OCR

    b. OMR

    c. MICR

    d. All of the above

21. EEPROM stands for

    a. Electronically Erasable Programmable Read-Only Memory

    b. Electrically Erasable Programmable Read-Only Memory

    c. Electrically Enabled Programmable Read Only Memory

    d. Electronically Enabled Programmable Read Only Memory

22. A computer port is used to?

    a. Communicate with hard disks

    b. Download files

    c. Communicate with other computer peripherals

    d. None of the above

23. Internet Explorer is a type of

    a. Operating system

    b. Browser

    c. IP address

    d. Complier

24. .... translates and executes program at run time line by line

    a. Compiler

    b. Programming Language

    c. Operating System

    d. Interpreter

25. If all devices are connected to a central hub, then the topology is called

    a. Bus Topology

    b. Ring Topology

    c. Star Topology

    d. Tree Topology

26. What's considered the 'backbone' of the World Wide Web?

    a. Uniform resource locator (URL)

    b. Hypertext mark-up language (HTML)

    c. File transfer protocol (FTP)

    d. None of these

27. Which of the following is not a characteristic of a computer?

    a. Intelligence

    b. Speed

    c. Versatility

    d. Automation

28. URL stands for?

    a. Universal Research List

    b. Universal Resource List

    c. Uniform Resource Locator

    d. Uniform Research Locator

29. Which of the following device has a limitation that we can only store information to it but cannot erase or modify it?

    a. Pen Drive

    b. Hard Disk

    c. Tap-Drive

    d. CD ROM

30. Different components on the motherboard of a PC processor unit are linked together by sets or parallel electrical conducting lines. What are these lines called?

    a. Conductors

    b. Busses

    c. Connectors

    d. None of these

31. Which computer memory is used for storing programs and data currently being processed by the CPU?

    a. Internal memory

    b. Non-volatile memory

    c. PROM

    d. EEPROM

32. A result of a computer virus can not lead to ......

    a. Disk Crash

    b. Mother Board Crash

    c. Corruption of program

    d. Deletion of files

33. Which one of the following would be considered as a way that a computer virus can enter a computer system?

    a. Opening an application previously installed on the computer

    b. Borrowed an illegal copy of software

    c. Viewing a website without causing any additional transactions

    d. Running antivirus programs

34. Which of the following can't spread virus

    a. An e-mail with attachment

    b. A plain text mail

    c. Downloading files over the web

    d. None of these

35. MIPS stands for

    a. Million Instructions Per Second

    b. Million Instructions Per Season

    c. Monthly Instructions Per Second

    d. Million Inputs Per Second

36. In processing cheques which of the following I/O techniques have banks traditionally followed?

    a. OCR (Optical Character Recognition)

    b. MICR (Magnetic Ink Character Recognition)

    c. Barcode

    d. VRT (Volume Rendering Technique)

37. Which of these is a correct format of Email address?

    a. contact.website.info

    b. contactwebsite.info

    c. contact@website.info

    d. contact@website@info

38. What does HTTP stands for?

   a. Hypertext Transfer Protocol

   b. Hypertext Transfer Plotter

   c. Head Tail Transfer Protocol

   d. Head Tail Transfer Plot

39. What is the equivalent decimal number of the hexadecimal number 2C

   a. 3A

   b. 34

   c. 44

   d. 42

40. The output of an AND gate with three inputs, A, B, and C, is high when _____.

   a. A=1, B=1, C=0

   b. A=0, B=0, C=0

   c. A=1, B=1, C=1

   d. A=1, B=0, C=1

40X 2.5marks=100marks

Part II

All questions should be answered.

All question will carry equal marks.

1. With the help of a block diagram, explain the basic architecture of a computer system.

2. Compare the five generations of computers on the basis of the technologies used.

3. Give the full form of the abbreviations: ENIAC, VLSI, ASCII, and ARPANET.

4. Classify computers into three types according to their technology.

5. Convert the following and show your computations

   a. The binary number 10101110111001 into hexadecimal number.

   b. Hexadecimal number C9A into decimal number.

   c. Decimal number 586.956 into Octal number.
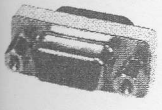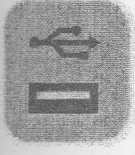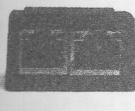
   d. Hexadecimal number B2A.D7C into Octal number

6. Consider the following two columns

Column 1	Column 2
A	Translates a web address (URL to the relevant IP address
B	Is a service of the internet
C	Uniquely identifies each computer on the internet
D	Separates the user name and domain name of an email address
E	Displays formatted web pages on a screen

Select and write down suitable terms for A, B, C, D, and E from the following list

@ symbol, Domain Name Server (DNS), IP address, Web Browser, World Wide Web

7. The following images show different computer ports. Write down the name of the ports A, B, C and D and their usage respectively.

Image	Port name	usage
	(A)	
	(B)	
	(C)	
	(D)	

8. Write down the advantages and disadvantages of the Internet and e-mail.

9. Write down the short notes on the following
   a. Computer Virus
   b. Spyware

10. E-Commerce advantages can be broadly classified in three major categories.
   a. Advantages to Organizations
   b. Advantages to Consumers
   c. Advantages to Society

Explain the advantages of any two categories.

10X10marks=100marks