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SCHOOL OF ACCOUNTING AND BUSINESS
BSc. (APPLIED ACCOUNTING) GENERAL / SPECIAL DEGREE
PROGRAMME

YEAR I SEMESTER I – INTAKE VII (GROUP A)
END SEMESTER EXAMINATION – JANUARY 2017

ICT 10130 Introduction to Information Technology

Date : 8th February 2017
Time : 9.00 a.m. – 10.30 a.m.
Duration : One and a half (01 ½) Hours

Instructions to Candidates:

- Write the Index Number in the space provided at the top of this sheet. Do not write **your name** anywhere in this question paper.
- This paper consists of two parts (A and B)
- Part A – Answer **ALL** questions on the question paper itself.
Part B – Answer **Three (3)** questions out of the Four (4) questions given.
- The total marks for the paper is 30.
- The marks for each question are shown in brackets.
- Answers should be written neatly and legibly.

Part A

Answer **ALL** questions

Question No. 01

1. Which one of the following disks is a fixed disk?

- A. Hard Disks
- B. Flash Disks
- C. Blu-Ray Disks
- D. DVDs

ANS:

2. Which one of the following professions has not been affected by personal computers?

- A. Medical
- B. Clerical and Law
- C. Accounting
- D. None of the above

ANS:

3. Which one of the following memory medium is not used as main memory system?

- A. Magnetic core
- B. Semiconductor
- C. Magnetic tape
- D. Both a and b

ANS:

4. Which one of the followings statement is valid?

- A. 1 KB = 1024 Bytes
- B. 1 MB = 1024 Bytes
- C. 1 KB = 1000 Bytes
- D. 1 MB = 1000 Bytes

ANS:

5. Latency time in data access is,
- A. Time to spin the needed data under head
 - B. Time to spin the needed data under track
 - C. Time to spin data under sector
 - D. All of above

ANS:

6. Which one of the following printers is not suitable to print on multi carbon forms?
- A. Daisy wheel
 - B. Dot matrix
 - C. Laser
 - D. Line

ANS:

7. A normal CD-ROM usually can store up to _____ data.
- A. 680 KB
 - B. 680 Bytes
 - C. 680 MB
 - D. 680 GB

ANS:

8. Which one of the followings requires a large computer memory?
- A. Imaging
 - B. Graphics
 - C. Voice
 - D. All of above

ANS:

9. Which one of the followings is not consisted in a processor?
- A. ALU
 - B. CU
 - C. RAM
 - D. Registers

ANS:

10. The Third Generation Computers were made with _____.

- A. Vacuum Tubes
- B. Discrete Components
- C. ICs
- D. Bio Chips

ANS:

11. Which one of the followings are the two main components of the CPU?

- A. Control Unit and Registers
- B. Registers and Main Memory
- C. Control Unit and ALU
- D. ALU and Bus

ANS:

12. Which of the followings is true?

- A. Fields are composed of bytes
- B. Records are composed of fields
- C. Fields are composed of characters
- D. All of above

ANS:

13. WAN is a most used abbreviation in Networking, what is its full form?

- A. WAP Area Network
- B. Wide Area Network
- C. Wide Array of Network
- D. Wireless Access Network

ANS:

14. Which one of the followings is the correct acronym of VGA?

- A. Video Graphics Array
- B. Visual Graphics Array
- C. Volatile Graphics Array
- D. Video Graphics Adapter

ANS:

15. A computer program that translates one program instruction at a time into machine language is called a/an

- A. Interpreter
- B. Converter
- C. Compiler
- D. Simulator

ANS:

16. Which of the followings has the fastest access time?

- A. Semiconductor Memory
- B. Magnetic Disk
- C. Magnetic Tape
- D. Compact Disk

ANS:

17. A collection of related instructions organized for a common purpose is referred to as

- A. File
- B. Database
- C. Program
- D. None of above

ANS:

18. Which one of the following programming languages is directly understood by the computer without any translation program?

- A. Machine language
- B. Assembly language
- C. High level language
- D. None of above

ANS:

19. Which one of the following terms is the most closely related to main memory?

- A. Non volatile
- B. Permanent
- C. Control unit
- D. Temporary

ANS:

20. Which one of the following units holds data permanently?

- A. Input unit
- B. Secondary storage unit
- C. Output unit
- D. Primary Memory unit

ANS:

21. A computer system comprises of

- A. Input Unit, Output Unit and Control Unit
- B. Input Unit, Output Unit, Control Unit and Storage
- C. Input Unit, Output Unit, Processing Unit and Storage Unit
- D. Input, Output and Storage Units

ANS:

22. The first general purpose electronic digital computer in the world was

- A. UNIVAC
- B. EDVAC
- C. ENIAC
- D. All of above

ANS:

23. Which one of the following companies is the biggest player in the microprocessor industry?

- A. Motorola
- B. IBM
- C. Intel
- D. AMD

ANS:

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

- A. Conductors
- B. Buses
- C. Connectors
- D. Consecutive

ANS:

25. A computer program that converts an entire program into machine language is called a/an

- A. Interpreter
- B. Simulator
- C. Compiler
- D. Commander

ANS:

26. CD-ROM stands for

- A. Compactable Read Only Memory
- B. Compact Data Read Only Memory
- C. Compactable Disk Read Only Memory
- D. Compact Disk Read Only Memory

ANS::

27. Which one of the following units converts user data into machine readable form?

- A. Input unit
- B. Output unit
- C. ALU
- D. Control Unit

ANS:

28. Which one of the following units is known as nerve center of a computer?

- A. ALU
- B. CU
- C. Memory
- D. Registers

ANS:

29. The most commonly used standard data code to represent alphabetical, numerical and punctuation characters used in electronic data processing systems is called

- A. ASCII
- B. EBCDIC
- C. BCD
- D. All of above

ANS:

30. The term GIGO is related to which characteristic of a computer?

- A. Speed
- B. Automatic
- C. Accuracy
- D. Reliability

ANS:

(Total 15 marks)

Part B

Answer any **Three (03)** questions

Question No. 02

- a. Describe Cloud computing highlighting its advantages.

(3 marks)

- b. What is meant by Hybrid Cloud?

(2 marks)

(Total 5 marks)

Question No. 03

- a. Explain the role of an Operating System (OS).

(3 marks)

- b. In the context of computer software, what is the difference between the Source Code and Executable Code?

(2 marks)

(Total 5 marks)

Question No. 04

- a. Data encryption can be achieved by using a single key or two different keys. Compare and contrast the above two methods for data encryption.

(3 marks)

- b. What is the difference between Plaintext and Cipher_text?

(2 marks)

(Total 5 marks)

Question No. 05

- a. Explain the functionality of the Internet.

(3 marks)

- b. Explain how Sri Lankans get access to the Internet.

(2 marks)

(Total 5 marks)