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

**YEAR I SEMESTER I (Group A)**  
**END SEMESTER EXAMINATION – FEBRUARY 2015**

**ICT 10130 Introduction to Information Technology**

Date : 05<sup>th</sup> February 2015  
Time : 9.00a.m. – 11.00 a.m.  
Duration : Two (02) Hours

**Instructions to Candidates:**

- This paper consists of two parts (A and B) and a Practical test.
- Part A – Answer **all** questions in the sheet provided.  
Part B – Answer any **Two (2)** questions out of the Three (3) questions.
- The total marks for the paper is 60 and out of 60 marks, *20 marks* will be allocated for the *Practical Test*.
- The marks for each question are shown in brackets.
- Answers should be written neatly and legibly.

**Part A**  
Multiple Choice Questions

Answer ALL Questions.

1. Magnetic disks are the most popular medium for
  - a. Direct access
  - b. Sequential access
  - c. Both of above
  - d. None of above
  
2. Which statement is valid?
  - a. 1KB = 1024 bytes
  - b. 1 MB=2048 bytes
  - c. 1 MB = 1000 kilobytes
  - d. 1 KB = 1000 bytes
  
3. Software in computer
  - a. Enhances the capabilities of the hardware machine
  - b. Increase the speed of central processing unit
  - c. Both of above
  - d. None of above
  
4. Which language is directly understood by the computer without a translation program?
  - a. Machine language
  - b. Assembly language
  - c. High level language
  - d. None of above

5. The difference between memory and storage is that memory is ... and storage is ...
  - a. Temporary, permanent
  - b. Permanent, temporary
  - c. Slow, fast
  - d. All of above
  
6. 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
  
7. Which of the following are the two main components of a CPU?
  - a. Control Unit and Registers
  - b. Registers and Main Memory
  - c. Control unit and ALU
  - d. ALU and bus
  
8. Different components on the motherboard of a computer are linked together by sets of parallel electrical conducting lines. What are these lines called?
  - a. Conductors
  - b. Buses
  - c. Connectors
  - d. Consecutives

9. A computer program that converts an entire program into machine language at one time is called a/an
- a. Interpreter
  - b. CPU
  - c. Compiler
  - d. Simulator
10. Operating system is also known as:
- a. database
  - b. system software
  - c. hardware
  - d. printer
11. The primary purpose of an operating system is.....
- a. To make the most efficient use of the computer hardware
  - b. To allow people to use the computer
  - c. To keep systems programmers employed
  - d. To make computers easier to use
12. Which of the following performs modulation and demodulation?
- a. fiber optics
  - b. satellite
  - c. coaxial cable
  - d. modem

13. Which of the following communication modes support two-way traffic but in only one direction at a time?
- a. Full duplex
  - b. half duplex
  - c. three-quarters duplex
  - d. all of the above
14. Where does a computer add and compare data?
- a. Hard disk
  - b. Floppy disk
  - c. CPU chip
  - d. Memory chip
15. A time sharing system imply
- a. more than one processor in the system
  - b. more than one program in memory
  - c. more than one memory in the system
  - d. None of above
16. Which of the protocols given below is used for sending email?
- a. FTP
  - b. SMTP
  - c. TCP/IP
  - d. HTTP

17. To which category of computers do desktop computers, notebooks (laptops) and Personal Digital Assistants (PDA's) fall?
- a. Supercomputers
  - b. Mainframe computers
  - c. Mini computers
  - d. Micro computers
18. Which of the following is NOT a function of the Operating System?
- a. Process management
  - b. Memory management
  - c. Disk management
  - d. Database management
19. Communication between computers is achieved by networking computers together using connecting devices and setting up of strict rules for communication to take place. These 'rules' are more appropriately termed as
- a. Protocols
  - b. Internet
  - c. Web
  - d. Browser
20. A collection of eight bits is called\_\_\_\_\_.
- a. Byte
  - b. Word
  - c. Record
  - d. file

## **Part B**

### **Open-Ended Questions**

Answer any **TWO (2)** questions out of the **THREE (3)** questions

#### **Question No. 01**

- a. Which type of computer (supercomputers, mainframe computers, minicomputers, and microcomputers) will best suit for individuals? Justify your answer.

(5 marks)

- b. Giving examples, explain and differentiate between volatile and non-volatile memory.

(5 marks)

**(Total 10 marks)**

#### **Question No. 02**

- a. Differentiate between ROM, RAM and CMOS. You should stress on how these memory are used and how they operate.

(5 marks)

- b. Explain the mechanism and uses of a dot-matrix printer and an ink-jet printer.

(5 marks)

**(Total 10 marks)**

#### **Question No. 03**

- a. Distinguish between Applications software and Systems software giving clear examples for each.

(5 marks)

- b. What does DBMS stand for and what are its main functions?

(5 marks)

**(Total 10 marks)**