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

YEAR I SEMESTER I – INTAKE VIII (GROUP A)
END SEMESTER EXAMINATION – JULY 2017

ICT 10130 Introduction to Information Technology

Date : 26th July 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 **ALL** questions
- 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 of the following inventions resulted in the most substantial increase in processing power of early computers while bringing their sizes down?
 - a. Invention of the Vacuum Tubes
 - b. Invention of Semiconductors
 - c. Invention of the Transistor
 - d. Invention of the Integrated Circuits (ICs)

ANS:.....

2. How would you represent the decimal value 33 in Binary?
 - a. 1E
 - b. 30
 - c. 1C
 - d. 100001

ANS:.....

3. Communication between computers is achieved by connecting them together 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

ANS:.....

4. Which of the following storage devices allows access to information in a sequential manner?
- a. CD-R
 - b. DVD
 - c. Hard disk
 - d. Magnetic tape

ANS:.....

5. Testing a program for any syntax or semantic error is known as :
- a. Double checking
 - b. Editing
 - c. Debugging
 - d. Decoding

ANS:.....

6. In programming, converting a high level language instructions into machine language instructions is done by :
- a. Drivers
 - b. Service Programs
 - c. Converters
 - d. Compilers

ANS:.....

7. Which of the followings is **NOT** a function of an Operating System?
- a. Database management
 - b. Process management
 - c. Memory management
 - d. Disk management

ANS:.....

8. Microwave transmission is a typical example of _____.

- a. Line of sight transmission
- b. Ground Wave transmission
- c. Infrared Wave transmission
- d. Optical transmission

ANS:.....

9. _____ provide a file-system interface where clients can create, update, read and delete files.

- a. Compute Server Systems
- b. Peer-to-peer Systems
- c. File Server Systems
- d. None of these

ANS:.....

10. Which of the following is a traditional scheme of IP Addressing?

- a. IPv6
- b. IPv4
- c. Broadcasting
- d. TCP-IP

ANS:.....

11. A computer derives its basic strength from _____.

- a. Speed
- b. Accuracy
- c. Memory
- d. all of the above

ANS:.....

12. Modern computers compared to earlier computers are _____.

- a. Faster and larger
- b. Less reliable
- c. Larger and stronger
- d. Faster and smaller

ANS:.....

13. A computer is capable of performing almost any task, provided that it can be _____.
a. Memorized
b. Analyzed
c. Reduced to a series of logical steps
d. Changed to a mathematical equation

ANS:.....

14. A Bit represents a _____.
a. Decimal digit
b. Octal digit
c. Binary digit
d. Hexadecimal digit

ANS:.....

15. A computer has very high speed, accuracy and reliability. Its intelligence quotient could be of the order of _____.
a. 100
b. 0
c. 50
d. 200

ANS:.....

16. Processors of all computers, whether micro, mini or mainframe must have _____.
a. ALU
b. Local storage
c. Control Unit
d. All of the above

ANS:.....

17. Real time computing is possible because of the following characteristic of computer _____.

- a. Storage capability
- b. High speed
- c. Accuracy
- d. Versatility

ANS:.....

18. A collection of eight bits is called a_____.

- a. Byte
- b. Word
- c. Record
- d. File

ANS:.....

19. Control Unit of a digital computer is often called the _____.

- a. Lock
- b. Nerve center
- c. IC
- d. all of the above

ANS:.....

20. Group of instructions that directs a computer is called _____.

- a. Storage
- b. Memory
- c. Logic
- d. Program

ANS:.....

21. Software instructions intended to satisfy a user's specific processing needs are called _____.

- a. System software
- b. Device drivers
- c. Documentation
- d. Applications software

ANS:.....

22. Which of the followings is not a factor when categorizing a computer?

- a. Amount of main memory that the CPU can use
- b. Capacity of the storage devices
- c. Where it was purchased
- d. Speed of the input/output devices

ANS:.....

23. The Central Processing Unit (CPU) consists of:

- a. Input, output and processing
- b. Control unit, local storage and secondary storage
- c. Control unit, arithmetic-logic unit and local storage
- d. Control unit, processing, and local storage

ANS:.....

24. What are the five main components of a computer system?

- a. CPU, CD-ROM, mouse, keyboard, sound card
- b. Memory, Video Card, Monitor, Software, Hardware
- c. Modem, Keyboard, Word Processor, Printer, Screen
- d. CPU, memory, system bus, input, output

ANS:.....

25. How do the main components of a computer communicate with each other?

- a. Through system bus
- b. Through memory
- c. Via keyboard
- d. Using mouse

ANS:.....

26. The three activities in an information system that produce the information to control operations are _____.

- a. input, processing, and output.
- b. data analysis, processing, and feedback.
- c. information retrieval, research, and analysis.
- d. input, output, and feedback.

ANS:.....

27. The average number of tickets sold daily online is an example of _____.

- a. raw data.
- b. meaningful information.
- c. feedback.
- d. input.

ANS:.....

28. The hardware and software used to transfer data in an organization is called _____.

- a. networking and data management technology.
- b. data and telecommunications technology.
- c. data management technology.
- d. networking and telecommunication technology.

ANS:.....

29. How do software vendors correct flaws in their software after it has been distributed?

- a. re-release software
- b. issue patches
- c. issue bug fixes
- d. issue updated versions

ANS:.....

30. Which of the following Network Topology is easiest to expand?

- a. Mesh
- b. Bus
- c. Star
- d. Ring

ANS:.....

(Total 15 Marks)

Part B

Answer **ALL** questions

Question No. 02

- a. What is the role of an Operating System (OS) in a typical personal computer?
(2 marks)
- b. Is it possible to install open source software directly into a computer? Justify your answer.
(3 marks)
- (Total 5 marks)**

Question No. 03

- a. Consider the following statement.
“the Internet and World Wide Web (WWW) are the same”. Do you agree with this statement? Justify your answer.
(2 marks)
- b. From an Internet user’s point of view, what is meant by the term “upload” and “download”?
Explain with an example.
(3 marks)
- (Total 5 marks)**

Question No. 04

- a. What is Artificial Intelligence
(2 marks)
- b. As a computer user how can you help to achieve Green Computing?
(3 marks)
- (Total 5 marks)**