

SS3 ICT – 1ST TERM QUESTIONS

1. Which of the following data is alpha-numeric?
 - A. 568
 - B. SS3
 - C. 10.00
 - D. Twenty-five
2. The process of converting data into information is known as data
 - A. analysis
 - B. collection
 - C. processing
 - D. collation
3. The BCD equivalent of 135 is
 - A. 10000111.
 - B. 001011101.
 - C. 100110101.
 - D. 000100110101.
4. Which of the following is an example of information?
 - A. Student's score in a test
 - B. Recorded observations
 - C. List of items
 - D. Average score of students in a test
5. The technology used for the first generation of computers was
 - A. vacuum tubes
 - B. integrated circuit
 - C. transistors
 - D. microprocessors
6. The main distinguishing feature of fifth generation computers is
 - A. liberal use of microprocessors
 - B. artificial intelligence
 - C. extremely low cost.
 - D. versatility
7. An opening on the motherboard of a system unit where expansion cards can be inserted is known as
 - A. extension board.
 - B. extension box.
 - C. expansion port.
 - D. expansion slot.
8. The first attempt at using the *punch card* principle to do mathematical calculations led to the invention of
 - A. Napier's bone.
 - B. Abacus.
 - C. Charles Babbage Difference Engine.
 - D. Charles Babbage Analytical Engine
9. One *kilobyte* is equivalent to
 - A. 1024 bits
 - B. 1024 bytes
 - C. 2^{20} bits.
 - D. 2^{20} bytes.
10. An input device that converts an image into a text is known as
 - A optical character reader.
 - B. scanner
 - C. optical mark reader
 - D. barcode reader
11. The unit of the computer system that directs and supervises other units is called the
 - A. Accumulator
 - B. Arithmetic logic unit.
 - C. Control unit
 - D. Memory unit
12. Input devices are computer devices that can
 - A. be used to get data from the computer memory.
 - B. send data and instructions into the computer memory
 - C. receive data and instructions from the computer memory
 - D. send results to the memory of the computer.
13. The central processing 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. A wait state of zero in hardware means the
 - A. processor speed is higher than that of memory
 - B. processor speed is slower than that of the memory

- C. memory is faster than the processor in terms of speed.
- D. processor and the memory are equally matched in speed.
15. The set of instructions used to solve specific user tasks is called
- A. application software.
- B. editor.
- C. system software.
- D. utility software.
16. Which of the following commands can be used to switch between open windows?
- A. Alt+F4
- B. Alt + Tab
- C. Ctrl + D
- D. Ctrl + F
17. The command used to seek for assistance in Microsoft disk operating system is
- A. Help.
- B. 13/?
- C. Attrib.
- D. /S
18. The software responsible for allocating and managing system resources is called
- A. driver.
- B. operating system.
- C. translator.
- D. utility software.
19. The LET statement in QBASIC
- A. allows users to assign a value to a variable.
- B. checks the errors within the code.
- C. allows the users to enter data into the computer from "outside" the program.
- D. allows the users to enter data into the computer during program execution.
20. Data types in QBASIC programming language include the following except
- A. double.
- B. float.
- C. long.
- D. short.
21. A good algorithm must be
- A. concise and finite
- B. consistent and continuous
- C. detailed and verbosc

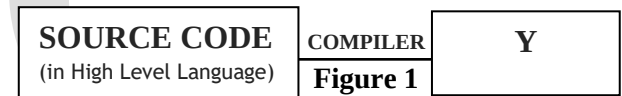
D. sequential and lengthy

22. The command used for adding comments in QBASIC programming is

- A. CLS.
- B. INPUT
- C. REM.
- D. PRINT.

23. Which of the following QBASIC arithmetic operations is the last in order of precedence?

- A. Multiplication
- B. Division
- C. Exponentiation
- D. Subtraction



24. The part labeled Y in the compiler interface in Figure 1 indicates

- A. intermediate code.
- B. input code.
- C. object code
- D. stored code.

25. A program that converts source code instructions in high-level programming language to object codes line by line is known as

- A. assembler.
- B. compiler.
- C. interpreter.
- D. editor.

26. The process of transferring a file from a server to a computer is called

- A. downloading.
- B. uploading.
- C. browsing.
- D. pinging.

27. The https in the web address, <https://www.wacc.org.ng>, is called a

- A. file path.
- B. hostname.
- C. protocol.
- D. web page.

28. The transmission method that allows data transmission to multiple computers on a network without addressing all the computers is called

A. broadcast.

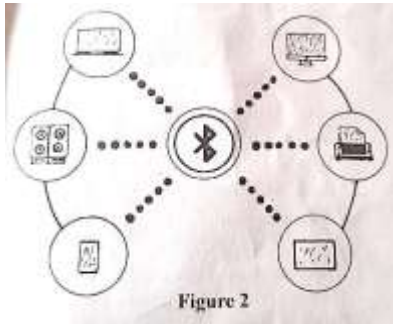
- B. multicast
- C. switch
- D. unicast

29. Which of the following IP addresses can be used to access a locally running website on a user's computer?

- A. 172.0.0.0
- B. 127.0.0.1
- C. 1.172.0.0
- D. 127.1.0.1

30. An advantage of bus topology over star topology is that

- A. it is stronger than star topology.
- B. it is more expensive than star topology.
- C. it requires less cable length than star topology.
- D. its components are easily removed compared to star topology.



31. The technology used in the connection in Figure 2 is called

- A. Bluetooth.
- B. Infrared.
- C. Radar.
- D. Radio wave.

32. The database model that uses tables with columns and rows is called

- A. hierarchical database.
- B. network database.
- C. relational database
- D. linear database.

33. Personalized form of letters which can be sent to many people can be achieved using

- A. macros.
- B. mail merge.
- C. query.
- D. template

34. The following are functions of database

- management system except
- A. backup and replication.
- B. format operation.
- C. rule enforcement.
- D. security of data.

35. Which of the following actions is not an animation in Microsoft PowerPoint?

- A. Dancing
- B. Emphasis
- C. Entrance
- D. Motion paths

36. Headers and footers are used in Microsoft Word documents to

- A. make large document more readable.
- B. allow text to appear at the top of the first page.
- C. enhance the overall appearance of the document.
- D. allow text to appear at the top and bottom of every page.

37. If today's date is 02/02/2008, what will be the result of typing "-today()-1" in a cell of a spreadsheet?

- A. 02/01/2008
- B. 13. 01/02/2009
- C. 01/02/2008
- D. 02/02/2007

38. The usage of the keys CTRL+ W in MS Word

- A. saves the current file.
- B. opens the print dialog box.
- C. closes the current document.
- D. updates the current web page.

39. Stored instructions and data in digital computer consist of

- A. alphabets.
- B. numerals.
- C. characters.
- D. bits.

40. During the booting process in Windows, the Master Boot Record is loaded by the

- A. BIOS
- B. GRUB.
- C. Init.
- D. Kernel.

41. A BIOS configuration program that allows

- a windows user to configure attributes such as password, time and date is called
- BIOS drivers.
 - Bootstrap.
 - CMOS setup.
 - GRUB.
42. The speed of data transfer can be affected by the following factors except
- address bus width.
 - broadband status.
 - clock speed.
 - data bus width.
43. The radix of hexadecimal number system is
- 2.
 - 8.
 - 10.
 - 16.
44. Machine language instructions are expressed in
- ASCII.
 - binary.
 - EBCDIC.
 - hexadecimal.
45. In binary, the decimal number 28 is represented as
- 1001_2
 - 11001_2
 - 11011_2
 - 11100_2
46. A file organization in which the records are stored in the order in which they occur is called

- indexed file.
 - random file.
 - serial file.
 - sequential file.
47. The following are effects of file insecurities except
- data overwriting.
 - data loss.
 - data use.
 - file corruption.
48. The process of making copies of files which can be used to restore the original copy in the event of data loss is called file
- backup.
 - organization.
 - restoration.
 - retrieval.
49. The act of translating data into a secret code is known as
- authentication
 - authorization
 - encryption
 - piracy
50. Viruses. Worms and Trojan horses are regarded as
- application software
 - malicious software
 - utility software
 - system software

THEORY

Instruction: Answer 4 ONLY questions from section

- 1a.** Define the term output device
 - 1aii.** State the four classes of hardware
 - 1b.** Give the two types of printers.
 - 1ci.** Construct a truth table for an AND gate with two input signals.
 - 1cii.** State the output of an OR gate with the signals 0 and 1
 - 1d.** list two types of an logic gate that gives an output of 1 when all of its input signals are 1
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- 3a.** What are Report in a database system?
 - 3b.** List four ways in which Reports can be viewed in database management system
 - 3c.** Outline the steps to print a Report in MS Access

- 2ai.** what is Universal Serial Bus (USB)?
- ii.** State two benefits of USB connection between a computer and another device.
- 2b.** In Table1, three storage devices are described, use it to answer **2bi** and **2bii** by ticking in any of the columns 3,4 or 5 and providing an example under the described storage device in column 2.

TABLE 1					
S/N	1	2	3	4	5
	Description of storage device	Name of storage device	Category of storage device		
			Primary	Secondary	Offline
1.	Magnetic Storage medium which is composed of a thin flexible disk sealed in a square plastic carrier				
2	Optical media which uses one spiral track. Red lasers are used to read and write data on the media surface and it makes use of dual - layering technology to increase the storage capacity to cover 1GB				
3	Non-Volatile memory chip which contents cannot be altered. It is often used to store the start-up routines in a computer (e.g the BIOS)				

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4a Use appropriate labeled diagrams to illustrate the following network topologies.

- Star topology
- Bus topology
- Ring topology.

4b. State

S/N	ACTIONS	TICK
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one advantage of:

- Star topology

- Bus topology

4c. Give one disadvantage of:

- Bus topology
- Ring topology

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5ai. The Table below shows the actions performed by a company on its stored files.

- Give two types of charts in Microsoft Excel

5b. list two disadvantages of computer files as compared to manual files.

5ci. Define charts as its relates to Microsoft Excel

- Tick the actions that will ensure that the files are kept confidential and secured

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1	use of antivirus	
2	use of backup	
3	use of biometrics	
4	use of folder	
5	use of manual file	
6	use of password	

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