



**CHRIST HIGH SCHOOL PLOT 5,  
CHS STREET, KM 32, ABUJA-KEFFI  
ROAD UKE, NASARAWA STATE**

**SS3 EXAMINATION  
2024/2025 ACADEMIC  
SESSION**

**SUBJECT: COMPUTER STUDIES  
CLASS: SS 3  
TIME: 2 Hours 30 Minutes**

NAME.....

CANDIDATE'S ADMISSION NO.

### INSTRUCTION

Write your name and number in the space provided on your answer booklet. Write your name on any extra sheet used.

Answer all questions in section A and four questions in section B.

At the end of the examination, staple all your work securely together.

**FOR EXAMINER'S USE**

Total Score:

+

**SUBJECT: COMPUTER STUDIES CLASS: SS 3 TIME: 2:30 hours,  
Objective 40Marks**

1. The first calculator was built by?
  - A. Marie Jacquard
  - B. Blaise Pascal
  - C. Charles Babbage
  - D. John Napier
  - E. Laptop
2. A similarity between data and information is that both?
  - A. can be displayed on the monitor
  - B. are computer inputs
  - C. are processed facts
  - D. are computer results
  - E. None of the above
3. The computer hardware can be classified into
  - A. ALU and Control Unit
  - B. System Unit and Peripheral
  - C. Central Processing Unit and Control Unit
  - D. Input and Output Units
  - E. Monitor and CPU
4. The outcome of a processed data in a computer is known as
  - A. raw fact
  - B. Information
  - C. database
  - D. computer result
  - E. Document
5. A good program must not be

---

  - (a) accurate
  - (b) efficient
  - (c) clear
  - (d) inaccurate
  - (e) readability
6. Which of the following computing devices did not exist in the pre-computing age to the 19th century?
  - A. Napier's bone
  - B. Abacus
  - C. ENIAC
  - D. Slide Rule
  - E. Laptop
7. The computing devices invented by Charles Babbage are?
  - A. Difference Engine and Abacus
  - B. Analytical Engine and Slide Rule
  - C. Abacus and Slide Rule
  - D. Analytical and Difference Engines
  - E. Abacus
8. In a computer, the sets of instruction that direct it in performing a particular task is called?
  - A. information
  - B. program
  - C. data
  - D. file
  - E. Document
9. The property of a disk that determines the amount of data it may contain is?
  - A. size
  - B. volume
  - C. storage capacity
  - D. storage power
  - E. CPU

10. Which of the following items best describes the term hardcopy?

- A. Print out
- B. Written on a hardboard
- C. Information stored on a hard disk
- D. Amount of data
- E. Laptop Screen

11. Which of the following is not an output device?

- A. Plotters
- B. Speakers
- C. Projectors
- D. Webcams
- E. Printer

12. Which of the following signifies the correct association between a hardware component and its functions?

- A. Mouse to input
- B. Monitor to print
- C. CPU to storage
- D. Hard disk to processing
- E. System Unit

13. Fig 1 is a logic gate. Use it to answer the question below

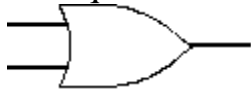


Fig 1 represents \_\_\_\_\_?

- A. an AND gate
- B. an OR gate
- C. a NOT gate
- D. a NAND gate
- E. None of the above

14. Which of the following software is best suitable for keeping records during national population census?

- A. Word Processing
- B. Spreadsheet
- C. Graphic

D. Database

E. All of the above

15. A major function of system software is \_\_\_\_\_?

- A. Collection of Files
- B. Translation of machine language into machine code
- C. File management
- D. Arrangement of files in ascending order
- E. Delete files

16. An advantage of Graphical User Interface (GUI) over Disk Operating System (DOS) is that it allows the use of \_\_\_\_\_?

- A. Diskette
- B. Keyboard
- C. Mouse
- D. Monitor
- E. Printer

17. Which of the following methods is not suitable for securing files?

- A. Use of backup
- B. Use of antivirus
- C. Saving documents without a password
- D. Proper labelling of storage devices
- E. None of the above

18. Which of the following programming languages needs no translator for it to run?

- A. High-Level Language
- B. Low Level Language
- C. Machine Language
- D. Assembly Language
- E. All of the above

19. The acronym HTTP stands for \_\_\_\_\_

- A. Hyper Text Transfer Protocol
  - B. Higher Transfer Text Protocol
  - C. Hard Text Transfer Protocol
  - D. Higher Text Transfer Protocol
  - E. Higher Test Text Protocol
20. In ring topology, the computer that is allowed to transmit data possesses the \_\_\_\_\_
- A. Packet
  - B. Data
  - C. Access method
  - D. Token
  - E. File
21. The most cost-effective and secure way of transmitting confidential messages among the employees of an organization is the \_\_\_\_\_
- A. Electronic notice boards
  - B. Teleconferencing
  - C. E-mail
  - D. Social networks
  - E. Facebook
22. The application software which allows information available on the internet to be obtained is called \_\_\_\_\_
- A. Browser
  - B. World Wide Web
  - C. Spreadsheet
  - D. Internet Protocol
  - E. System Software
23. A modern and a telephone connection are provided. Other things needed to be able to connect a computer to the internet are \_\_\_\_\_

- A. ISP account and Utility software
  - B. Browser and ISP account
  - C. ISP account and Network
  - D. Browser and Printer
  - E. Application Software
24. Which of the following is employed in the transfer of data between computers and a network?
- A. Fiber optics
  - B. Male connector
  - C. Female Connector
  - D. USB Port
  - E. Social Media
25. Which of the following software can be used for graphic production?
- A. DOS Editor
  - B. PC Writer
  - C. Coreldraw
  - D. Acrobat Reader
  - E. Microsoft Word
26. Which of the following items is not located on the MS Word menu bar?
- A. Home
  - B. Open
  - C. View
  - D. Mailings
  - E. Layout

27. Use the Table to answer the questions below

	A	B	C	D	E
1	BOOK SUPPLIED TO SENIOR HIGH SCHOOLS				
2		MATHS	ICT	ENG	
3	SHS1	3450	4500	5678	
4	SHS11	8765	6580	9000	
5	SHS111	2456	4009	4400	

In the table, the content of cell C5 \_\_\_\_\_

- A. 2456
- B. 4009
- C. 4400
- D. 3450
- E. 8765

28. Use the Table above to answer the questions below

The number of cells that contain data in row 1 is\_\_\_\_\_

- A. 1
- B. 3
- C. 5
- D. 7
- E. 6

29. Use the Table above to answer the questions below

Which cells in table contain numeric data with the least value?

- A. A5
- B. B5
- C. C5
- D. D5
- E. A4

30. In changing the storage location of a file, the command to use is\_\_\_\_\_

- A. ctrl + S keys
- B. 'save' command
- C. 'save as' command
- D. alt + F, then save
- E. Ctrl + W

31. Which of the following statements is true about registers?

- A. It is storage area around CPU
- B. It is situated beside the CPU
- C. It is situated beside the memory
- D. It is a special high speed storage area within the CPU
- E. None of the above

32. The Instruction fetched into the CPU is decoded by the\_\_\_\_\_

- A. Primary memory
- B. Program counter
- C. ALU
- D. Control unit
- E. None of the above

33. What is the shortcut key of printing a document for computer having windows?

- A. Shift + PP
- B. Shift + P
- C. Alt + P
- D. Ctrl + P
- E. Fn + P

34. Which of the following is responsible for the management and coordination of activities and the sharing of the resources of the computer?

- A. motherboard
- B. application software
- C. RAM
- D. system software
- E. operating system

35. MP3 file format is associated with what type of files?

- A. flash file
- B. Word document
- C. video
- D. image
- E. audio

36. A hexadecimal "A0" has the decimal value

- A. 80
- B. 100
- C. 160
- D. 183
- E. 256

37. In ring topology, the computer that is allowed to transmit data possesses the \_\_\_\_\_

- A. Packet
- B. Data
- C. Access method
- D. Token
- E. All of the above

38. Evaluate the BASIC statement:

LET  $Z = 4 * W^2 + 2 * Y$

Given that  $W = 5$  and  $Y = 10$

- A. 50
- B. 80
- C. 100
- D. 120
- E. 130

39. Given that  $26_{1010} = X_{22}$ , X is

- \_\_\_\_\_
- A. 11011
  - B. 11010
  - C. 11110
  - D. 10111
  - E. 111011

40. In hexadecimal number system, B, D, E represent \_\_\_\_\_

- A. 11, 12, 13 respectively
- B. 12, 14, 15 respectively
- C. 13, 14, 15 respectively
- D. 14, 16, 17 respectively
- E. None of the above

41. The conversion of  $11001_2$  to base 10 equals \_\_\_\_\_

- A. 30
- B. 28
- C. 25
- D. 20
- E. 50

42. Which of the following statements is not true about a computer file?

- A. It is very fast to access any record within a file
- B. It is created electronically
- C. Initial setup is inexpensive
- D. File creation and access are less laborious
- E. None of the above

43. An advantage of sequential access over serial access is that \_\_\_\_\_

- A. Sequential file is slow
- B. Sequential file is detailed
- C. Sequential file does not use key
- D. Individual records can be located more quickly
- E. Files are deleted

44. The Use of electronic systems to send an unsolicited e-mail to someone's address is known as

- \_\_\_\_\_
- A. Hacking
  - B. Spamming
  - C. Internet fraud
  - D. Piracy
  - E. Chatting

45. The sequence of operation of a computer is

- A. accept data, process data and produce output
- B. accept data, produce data and produce information
- C. produce data, supply data and produce output
- D. process data, produce data and display information
- E. None of the above

46. Which of the following descriptions is not true about data?

- A. It can be converted to information

- A. is a collection of raw facts and figures
- C. is unorganized
- D. is used for decision making
- E. All of the above

47. Which of the following statements is true about super computers? They

- A. can fit on a single small chip
- B. are easily affordable
- C. can process billions of operations in a second
- D. are found across various homes and offices
- E. They are very small

48. What factors will motivate a field engineer into choosing a *notebook computer* over a *desktop computer*?

- A. Cost, convenience and battery life
- B. Cost, size and convenience
- C. Size, convenience and battery life
- D. Size, cost and battery life
- E. None of the above

49. A collection of wires through which data are transmitted from one part of the computer to another is known as

- A. address
- B. bus
- C. driver
- D. register
- E. CPU



Figure 1

50.

The logic gates represented in Figure 1 is called

- A. AND gate
- B. NAND gate
- C. NOR gate
- D. OR gate
- E. None of the above

51.

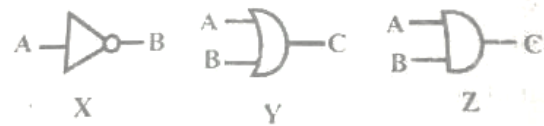


Figure 2

Use the logic gate in Fig 2 to answer question 51.

Which of the logic gates will give an output opposite to the input state?

- A. X
- B. Y
- C. Z
- D. X and Y
- E. Y and Z

52. The operation of a computer and peripherals attached to it is controlled by

- A. application
- B. hardware
- C. live ware
- D. system software
- E. Microsoft Excel

53. The generality of a program means the program should be able to

- (a) solve all problems
- (b) solve all similar problems
- (c) give general solution
- (d) change easily
- (e) none of the above

54. The actual writing of the program in a programming language is called

- 
- (a) program documentation
  - (b) program testing
  - (c) program development
  - (d) program coding
  - (e) program running

55. Which of these language is compiled

- (a) BASIC
- (b) PHP
- (c) QBASIC
- (d) C
- (e) Perl

56. The process of updating a previously written program is called

- 
- (a) maintenance
  - (b) program testing
  - (c) program running
  - (d) program document
  - (e) none of the above

57. The step by step procedure of solving a program is called \_\_\_\_\_

- (a) flowchart
- (b) implementation
- (c) logarithm
- (d) algorithm
- (e) simplification

58. \_\_\_\_\_ is a diagram which represents the step by step procedure of solving a problem

- (a) algorithm
- (b) graph
- (c) flowchart

- (d) drawing
- (e) art work

59. One of the following is not a name flowchart symbol

- (a) decision
- (b) process
- (c) connector
- (d) start
- (e) agreement

60. The symbol that connects a symbol to the next is the

- 
- (a) connector
  - (b) flow line
  - (c) process
  - (d) end
  - (e) start

61. Flowchart are drawn from \_\_\_\_\_

- (a) left to right
- (b) bottom to top
- (c) right to left
- (d) right
- (e) top to bottom

62. Which of these is not a BASIC in-built function?

- (a) ABS ()
- (b) TAN ()
- (c) EXP ()
- (d) LOG ()
- (e) Sin ()

63. Which of these functions is used to find square root?

- (a) EXP
- (b) SQR
- (c) SRT
- (d) SQT



(e) none of the above

64. Which of these functions gives the logarithm of a number?

- (a) Log ()
- (b) LGO ()
- (c) LOG ()
- (d) LGG ()
- (e) LLG ()

65. What will be the result of LOG (100)?

- (a) 10
- (b) 1
- (c) 2
- (d) 3
- (e) 1000

66. What will be the result of SQR (4\*25)?

- (a) 4
- (b) 10
- (c) 5
- (d) 100
- (e) 1000

67. The register is a special high speed \_\_\_\_\_ area within the CPU

- (a) input
- (b) processing
- (c) output
- (d) storage
- (e) none of the above

68. Registers are located in the \_\_\_\_\_

- (a) hard disk
- (b) CPU
- (c) mother board

- (d) monitor
- (e) keyboard

69. Current instruction register \_\_\_\_\_ instructions currently being executed.

- (a) allows
- (b) control
- (c) retrieve
- (d) store
- (e) contains

70. Main memory holds instructions while registers hold current \_\_\_\_\_

- (a) data
- (b) information
- (c) program
- (d) software
- (e) none of the above

71. Every program, song and document is stored as a \_\_\_\_\_ in the computer

- (a) folder
- (b) filed
- (c) record
- (d) data
- (e) document

72. A \_\_\_\_\_ is the smallest unit of information stored in computer file

- (a) Folder
- (b) record
- (c) field
- (d) file
- (e) Document

73. Alphanumeric character set consists of \_\_\_\_\_

- (a) numbers
- (b) letters
- (c) numbers and letters
- (d) data item
- (e) number and symbols

74. The smallest unit computer data measurement is

- (a) bytes
- (b) megabytes
- (c) gigabytes
- (d) megabit
- (e) bits

75. The \_\_\_\_\_ is formed in the CPU of a computer

- (a) main memory
- (b) modem
- (c) mother board
- (d) register
- (e) zip drive

76. The central processing unit is connected to the

- (a) expansion board
- (b) expansion slots
- (c) memory ship
- (d) mother board
- (e) system unit

77. Which of these packages is appropriate for preparing payroll of workers?

- (a) Corel draw
- (b) Microsoft access
- (c) Microsoft excel
- (d) Microsoft word
- (e) Wordpad

78. One of the following is not a type of file organization

- (a) serial
- (b) random
- (c) indexed
- (d) linear
- (e) None of the above

79. Computer files operations do not include \_\_\_\_\_

- (a) create
- (b) view
- (c) update
- (d) access
- (e) open

80. Data loss and overwriting are effects of file \_\_\_\_\_

- (a) security
- (b) insecurity
- (c) corruption
- (d) damage
- (e) none of the above

## **THEORY**

**(Answer Three Question)**

1. a. Write a BASIC program for this  $R = \left( \left( \left( \sqrt{-b^2} \right) - 4 * A * C \right) \div (2 * A) \right)$   
b. Explain the four levels of programming language

2. a. Mention ten basic keywords you know  
b. Write a program to find the simple interest of a business out fit
3. a. Demonstrate the positional value of 2134  
b. Convert AE13F to decimal and binary
4. a. Define computer ethics and mention two basic rules  
b. i. What is operator precedence?  
ii. Mention the Ms Excel Arithmetic operators
5. a.

	A	B	C	D	E	F	G
1							
2		NAME	TEST 1	TEST 2	ASSIGNMENT	TOTAL	AVERADE
3		JOHN	4	4	1	9	4.5
4		MATTHEW	5	5	23	33	16.5
5		JOY	6	67	45	118	59
6		ALBERT	7	8	7	22	11
7		OJO	8	99	8	115	57.5
8							

- i. Write the Summation formula
- ii. Write the Average formula

	B	C	D	E	F	G	H
1							
2	NAME	TEST 1	TEST 2	ASSIGNMENT	TOTAL	AVERADE	GRADE
3	JOHN	4	4	1	9	4.5	F
4	MATTHEW	5	5	23	33	16.5	F
5	JOY	6	67	45	118	59	A
6	ALBERT	7	8	7	22	11	F
7	OJO	8	99	8	115	57.5	A

- b. Write the Excel formula for grading