

1. When the computer is working on given instructions, it is called
 - (A) output
 - (B) storage
 - (C) processing
 - (D) input

2. Hexadecimal has a base value of
 - (A) 6
 - (B) 8
 - (C) 16
 - (D) 18

3. Which of the following is NOT a function of the control unit?
 - (A) Read instructions
 - (B) Interpret instructions
 - (C) Direct operations
 - (D) Execute instructions

4. The unit of storage used to represent a character is
 - (A) bit
 - (B) byte
 - (C) word
 - (D) kilobyte

5. Which of the following storage media provides sequential access only?
 - (A) Floppy disk
 - (B) Magnetic disk
 - (C) Magnetic tape
 - (D) Optical Disk

6. Which of the following storage media uses laser technology to store data?
 - (A) Floppy disk
 - (B) Magnetic tape
 - (C) CDROM
 - (D) Hard Disk

7. The technology used to read pencil or pen marks on a multiple choice answer sheet is
 - (A) OCR
 - (B) OMR
 - (C) POS
 - (D) MICR

8. The variable CustBalance stores the amount of money owed by customers. CustBalance is MOST likely of data type
 - (A) integer
 - (B) character
 - (C) real
 - (D) array

9. The MOST suitable device for the output of architectural drawing is a
 - (A) plotter
 - (B) laser printer
 - (C) graphic tablet
 - (D) light pen

10. Which of the following output is an example of a hardcopy?
 - (A) An oral speech delivered by a speaker
 - (B) A bill produced from a printer
 - (C) The display on a monitor
 - (D) A picture on a wall produced from a multimedia projector

11. The decimal equivalent of 00001111_2 is
 - (A) 8
 - (B) 12
 - (C) 15
 - (D) 28

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12. The BCD representation of (-15) is
- (A) 100000011111
 - (B) 101100101111
 - (C) 000000011111
 - (D) 101100010101
13. In modern computers, the CPU speed is measured in
- (A) kilo hertz
 - (B) gigabytes
 - (C) kilo bytes
 - (D) giga hertz
14. Which of the following is NOT a type of application software?
- (A) Word processor
 - (B) Spreadsheets
 - (C) Windows
 - (D) Smart Draw
15. Which of the following is NOT function of an operating system?
- (A) Control input/output operations
 - (B) Provide security
 - (C) Perform calculations
 - (D) Provide a friendly interface
16. An example of multitasking is
- (A) doing a background save while typing a document
 - (B) allowing many users to use the same program
 - (C) allowing one user to use one program
 - (D) opening one program by many users
17. Quality Developers is a company that writes programs to do specific jobs for other companies. These programs are called
- (A) general-purpose software
 - (B) special-purpose software
 - (C) custom-purpose software
 - (D) off-the-shelf software
18. Which of the following is NOT a software interface?
- (A) Command-driven
 - (B) Touch screen
 - (C) Menu-driven
 - (D) Graphical User Interface(GUI)
19. An airline reservation system is an example of
- (A) batch processing
 - (B) real time processing
 - (C) interactive processing
 - (D) distributed processing
20. The name of the interface used by blind persons to perform operations on a computer is
- (A) sensor
 - (B) icon
 - (C) braille
 - (D) touch screen
21. Which of the following is NOT a type of transmission medium?
- (A) Coaxial
 - (B) Twisted pair
 - (C) Modem
 - (D) Microwave

22. Persons at a downtown cafe realized that they were able to access the Internet on their laptop computers. The cafe could be considered as a
- (A) metropolitan area network
 - (B) hotspot
 - (C) local area network
 - (D) satellite
23. Which of the following technologies does NOT facilitate the transferring of data between computers in adjacent buildings?
- (A) Fibre optic
 - (B) Bluetooth
 - (C) Twisted pair
 - (D) Microwave
24. A group of persons who share common interests and communicate by posting messages and replies on the Internet is referred to as a/an
- (A) podcast
 - (B) newsgroup
 - (C) uploader
 - (D) surfer
25. Uploading or downloading data to or from a remote computer is done using
- (A) file transfer protocol
 - (B) inter relay chat
 - (C) blogging
 - (D) instant messaging
26. Each website on the Internet can be accessed by entering a unique address. This address is referred to as the
- (A) HTTP
 - (B) HTML
 - (C) FTP
 - (D) URL
27. Which of the following items CANNOT be sent via email?
- (A) Text documents
 - (B) Parcels
 - (C) Sound files
 - (D) Graphic images
28. Which of the following pairs of items is used to create a web page?
- (A) Homepage and Website
 - (B) HTML and authoring tool
 - (C) ISP and web browser
 - (D) Internet and URL
29. Which ONE of the following statements BEST describes the term 'information'?
- (A) It is raw facts.
 - (B) It is meaningful.
 - (C) It is not the result of processing.
 - (D) Does not have any value.
30. Which of the following control structures is the MOST appropriate for reading data from an array?
- (A) Sequence
 - (B) Selection
 - (C) Repetition
 - (D) Recursion
31. In word processing, an efficient way to move the 3rd paragraph to place it after the 5th paragraph is
- (A) copy and paste
 - (B) copy, cut and paste
 - (C) cut, copy and paste
 - (D) cut and paste

32. Presentation software allows the user to
- I. track changes
 - II. design tables
 - III. enhance public speaking
 - IV. develop graphs to report on sales data
- (A) I and II only
(B) II and III only
(C) III and IV only
(D) I, II, III and IV

33. Which of the following actions is NOT considered to be a computer crime?
- (A) Encryption
(B) Piracy
(C) Industrial Espionage
(D) Hacking

34. Which of the following precautions is NOT a physical restriction with respect to data security?
- (A) Firewall
(B) Locking up the hardware
(C) Fire proof cabinets
(D) Biometric systems

35. The pair of files used to produce merged letters during a mail merge is
- (A) primary document and data source
(B) primary document and merged letters
(C) data source and merged letters
(D) primary document and current letter

36. Text entered into a spreadsheet is aligned towards the left by default. These entries are called
- (A) values
(B) labels
(C) formulae
(D) functions

37. Which of the following formatting features is unique to numbers in spreadsheets?
- (A) Bold
(B) Custom
(C) Italics
(D) Indent

38. To centre the title rows of a spreadsheet across the columns
- (A) centre align the title rows
(B) centre align the title columns
(C) merge and centre title rows
(D) merge and centre title columns

39. Formulae in a spreadsheet involve
- (A) cell addresses, values and labels
(B) cell addresses, values and mathematical operators
(C) cell addresses and labels
(D) cell addresses and values

40. Telecommuting can be BEST described as
- (A) making a communication between two companies
(B) working from home by connecting home and office
(C) working from home by having employees at home
(D) making a communication between home and office

41. Whi true.
- (A)
(B)
(C)
(D)

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(A)
(B)
(C)
(D)

13
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42. Which of the following duties is NOT expected of a database administrator?

- (A) Creating and maintaining data dictionary
- (B) Managing security
- (C) Maintaining performance
- (D) Writing programs

43. Which of the following terms does NOT refer to a form of information processing?

- (A) Process control
- (B) Data validation
- (C) Automation
- (D) Scientific data processing

44. Methods that can be used for validation and verification of data are

- (A) range checks
- (B) data type checks
- (C) inconsistency checks
- (D) all of the above

45. A field in a table that appears as a match of the primary key in another table is called a

- (A) candidate key
- (B) secondary key
- (C) foreign key
- (D) composite key

46. Given the following algorithm

```
j = 5
k = j
j = j + k
k = j + 3
display k
```

the value displayed for **k** is

- (A) 10
- (B) 11
- (C) 13
- (D) 14

47. The following variables *s*, *t* and *u* have been assigned the values shown.

```
s = 5
t = 6
u = 3
```

Which of the following statements does NOT evaluate to true?

- (A) $u > 7$ and $t \leq 7$
- (B) $s < t$ or $u < s - 2$
- (C) $u - 2 \geq 1$
- (D) $t > 4$ or $s = 5$

48. Which of the following algorithms satisfies the requirement of asking the user to input two numbers, calculating the average and displaying the result?

- (A) display 'Enter two numbers'
input a, b
 $c = (a+b)/2$
display c
- (B) **input** a, b
 $c = (a+b)/2$
display c
- (C) display 'Enter two numbers'
input a, b
 $c = a+b/2$
display c
- (D) **input** a, b
 $c = a + b/2$
display c

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49. Which of the following algorithms does NOT display four consecutive numbers?
- (A) **for** v = 2 to 5
 display v
- (B) h = 1
 while h < 5
 display h
 h = h + 1
 end while
- (C) **for** k = 7 down to 4 step -1
 display k
- (D) f = 6
 while f < 3
 display f
 f = f - 1
50. The variables h and s are assigned the following values, h = 4 and s = 3 * h. Display h + s * 2 will show
- (A) 28
(B) 30
(C) 32
(D) 38
51. Which of the following languages is only understood by computers?
- (A) 4 GLs
(B) Machine languages
(C) Natural Languages
(D) Procedural languages
52. Which of the following languages is NOT a high-level language?
- (A) C
(B) COBOL
(C) ASSEMBLY
(D) PASCAL
53. Errors that occur in a program when the rules of the programming languages are NOT obeyed are called
- (A) Syntax errors
(B) Logical errors
(C) Execution errors
(D) Run-time errors
54. Which of the following is NOT a type of program error?
- (A) Logic error
(B) Syntax error
(C) Run time error
(D) Debug error
55. Which of the following is not a term used to describe the process of manually going through a program looking for errors?
- (A) Tracing
(B) Dry run
(C) Debugging
(D) Documentation
56. Which of the following is an example of a conditional construct?
- (A) For-Next
(B) If-then-else
(C) While-endwhile
(D) For-endfor
57. Which of the following reserved words in Pascal displays data and places the cursor on a new line?
- (A) write
(B) read
(C) writeln
(D) readln

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58. Program implementation involves a number of steps. Which of the following steps is NOT legitimate?
- (A) Executing
 - (B) Bonding
 - (C) Compiling
 - (D) Linking
59. Which of the following identifiers is NOT a valid variable name?
- (A) input
 - (B) totalCost
 - (C) 9Count
 - (D) NumCount
60. The term used to describe a memory location whose value changes during program execution is
- (A) constant
 - (B) volatile
 - (C) variable
 - (D) dynamic

IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST.

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CARIBBEAN EXAMINATIONS COUNCIL

SECONDARY EDUCATION CERTIFICATE EXAMINATION

INFORMATION TECHNOLOGY

Paper 02 – General Proficiency

2 hours 15 minutes

SPECIMEN PAPER

INSTRUCTIONS TO CANDIDATES

- 1. This paper consists of THREE sections and a total of TWELVE questions. Candidates MUST answer ALL questions in all THREE sections.**
- 2. Number EACH answer correctly in the answer booklet.**
- 3. Code is to be written in the programming language, Pascal.**

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

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