FORM TP 2021086

CANDIDATE – PLEASE NOTE!

PRINT your name on the line below and return this booklet with your answer sheet. Failure to do so may result in disqualification.

TEST CODE **01229010**

MAY/JUNE 2021

CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE® EXAMINATION

INFORMATION TECHNOLOGY

Paper 01 – General Proficiency

1 hour 15 minutes

25 MAY 2021 (p.m.)

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This test consists of 60 items. You will have 1 hour and 15 minutes to answer them.
2. In addition to this test booklet, you should have an answer sheet.
3. Each item in this test has four suggested answers lettered (A), (B), (C), (D). Read each item you are about to answer and decide which choice is best.
4. On your answer sheet, find the number which corresponds to your item and shade the space having the same letter as the answer you have chosen. Look at the sample item below.

Sample Item

Which of the following pairs represents general-purpose software tools?

(A) Spreadsheet and database software
(B) Word processor and accounting software
(C) Student record system and database software
(D) Insurance processing and spreadsheet software

Sample Answer



The best answer to this item is "Spreadsheet and database software", so (A) has been shaded.

5. If you want to change your answer, erase it completely before you fill in your new choice.
6. When you are told to begin, turn the page and work as quickly and as carefully as you can. If you cannot answer an item, go on to the next one. You may return to that item later.

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

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1. Which of the following are considered computer hardware?

(A) Data
(B) Programs
(C) Output devices
(D) Operating systems

2. To use a program stored on a flash drive, the program must be transferred into

(A) ROM
(B) RAM
(C) PROM
(D) EPROM

3. Which of the following operations is considered a feature of a biometric system?

(A) Matching fingerprints
(B) Detecting irregular heartbeats
(C) Diagnosing medical symptoms
(D) Lubricating skeletal joints

4. Which of the following would NOT be considered cloud storage?

(A) Data stored on remote servers
(B) Data stored and accessible on a LAN
(C) Data back-up and storage devices on the Internet
(D) Data managed by storage providers or hosting companies

5. Which of the following could NOT be classified as a cloud-based application?

(A) Gmail
(B) Dropbox
(C) Google Drive
(D) Windows OS

6. The lights in a room turn on as soon as a person enters. Which input device is MOST likely used to control the lighting in the room?

(A) Sensor
(B) Remote
(C) Scanner
(D) Keyboard

7. Which of the following devices is used to input data into the computer?

(A) Mouse
(B) Speaker
(C) USB flash drive
(D) External hard drive

8. In which of the following interface types is the user required to remember specific instructions and syntax?

(A) Menu-driven
(B) Graphical user
(C) Computer screen
(D) Command-driven

Item 9 refers to the following model of a globe.



9. The MOST suitable printer for creating the model of the globe above is

(A) a 3-D printer
(B) a laser printer
(C) an ink-jet printer
(D) a thermal printer

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10. Which of the following protocols is used to ensure that all web pages and servers communicate with each other?

(A) IP
(B) FTP
(C) VoIP
(D) HTTP

Item 11 refers to the following symbol.



11. The symbol represents

(A) LAN
(B) Wi-Fi
(C) Hotspot
(D) Bluetooth

12. Unauthorized, real-time interception of a private communication on a computer network is referred to as

(A) propaganda
(B) identity theft
(C) industrial espionage
(D) electronic eavesdropping

13. Double-entry data verification involves

(A) different data entered once
(B) the data entered being copied to another device
(C) different data entered once by two different persons
(D) the same data entered once then re-entered by another person

14. A developer is important to a company because he/she

(A) is responsible for the company's website
(B) assigns web addresses to all users in a company
(C) backs up files and stores the disks at another location
(D) monitors the shutting down of competitors' websites

15. Which of the following shows an increase in computer memory capacity?

(A) Megabyte → Terabyte → Gigabyte
(B) Megabyte → Gigabyte → Terabyte
(C) Terabyte → Gigabyte → Megabyte
(D) Gigabyte → Kilobyte → Megabyte

16. In the URL http://www.shoes.com, 'shoes.com' stands for the

(A) extension
(B) company name
(C) domain name
(D) Internet company

17. Which of the following checks is NOT a validation technique?

(A) Range
(B) Double entry
(C) Inconsistency
(D) Reasonableness

18. Which of the following types of technology is commonly used by banks to read data on cheques?

(A) POS
(B) OCR
(C) OME
(D) MICR

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19. Transferring data from a remote computer to your computer is referred to as

(A) browsing
(B) uploading
(C) data mining
(D) downloading

20. Data that has been processed and that has meaning is termed

(A) information
(B) database
(C) storage
(D) output

21. Telecommuting can be BEST described as

(A) using the computer while commuting
(B) using the telephone while commuting
(C) working from home by connecting home and office
(D) working from the office after establishing a connection at home

22. The process of scrambling messages at the sending end and unscrambling them at the receiving end is called

(A) coding
(B) espionage
(C) encryption
(D) eavesdropping

23. Which of the following is NOT a hardware component of a computer system?

(A) Data file
(B) Main memory
(C) Peripheral device
(D) Central processing unit

24. Which of the following can be termed 'application software'?

(A) DOS
(B) Linux
(C) Mac Os
(D) Internet Explorer

25. Which of the following functions is performed by a modem?

(A) Regulates analog and digital signals
(B) Modulates analog and digital signals
(C) Prevents analog and digital signals from being uploaded
(D) Prevents analog and digital signals from being downloaded

26. There are many software restrictions used by computers to protect data and maintain data integrity. Which of the following entities are software restriction media?

I. Viruses
II. Passwords
III. Encryptions

(A) I and II only
(B) I and III only
(C) II and III only
(D) I, II and III

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27. Which of the following devices can be used for both input and output?

(A) Touchscreen
(B) Barcode reader
(C) Flatbed scanner
(D) Document reader

28. Which of the following is true of accessing files sequentially?

(A) Occurs in any order
(B) Starts with the first record
(C) Starts with the largest data field
(D) Starts with the smallest data field

29. Which of the following is a hardware user interface?

(A) GUI
(B) Icon
(C) Sensor
(D) Touchscreen

30. An official of Company X sells confidential information about his company to Company Y. What is the term used for this type of information misuse?

(A) Identity theft
(B) Computer fraud
(C) Industrial espionage
(D) Electronic eavesdropping

31. Which of the following are NOT categorized as system software?

(A) Productivity tools
(B) Operating systems
(C) Translators
(D) Utilities

32. Which part of the central processing unit (CPU) coordinates its activities?

(A) Register
(B) Control unit
(C) Main memory
(D) Arithmetic logic unit

33. Before purchasing a computer, James was given a sheet with the following hardware specifications.

Intel Pentium IV		64 bit
3.6 GHz	2 GB	533 MHz
50 RAM	160 GB	SATA
HDD	7200 rpm	

The processing speed of the central processing unit (CPU) is

(A) 2 GB
(B) 3.6 GHz
(C) 7200 rpm
(D) 533 MHz

34. The part of a private network using Internet technology and public telecommunications that can be accessed by business suppliers vendors, customers, partners is called an

(A) Internet
(B) Intranet
(C) Extranet
(D) Ethernet

35. Which of the following pairs are hardware devices with a user interface?

(A) Keyboard/monitor
(B) Optical drive/hard drive
(C) Magnetic/optical character reader
(D) Touchscreen/specialized keyboard

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36. Which of the following is an example of a correctly formatted e-mail address?

(A) lana@happy.net
(B) @lana.happy.net
(C) lana.happy@net
(D) lana@happy@net

37. Which of the following types of software should be used for applications that involve repetitive numerical calculations?

(A) Database
(B) Presentation
(C) Spreadsheet
(D) Word processing

38. Selecting or highlighting a paragraph creates a

(A) file
(B) block
(C) merge
(D) document

39. The following formula is located in position B6 of a spreadsheet.

= B3 + B4 + B5

If the formula is copied to the position located immediately on the left, what would be the resulting formula?

(A) C3 + C4 + C5
(B) A3 + A4 + A5
(C) A3 + A4 + B5
(D) C3 + C4 + B5

Item 40 refers to the following table containing data on three countries, A, B and C, for 2020 and 2021.

Country	2020	2021
A	300	600
B	500	800
C	500	600

40. Which of the following types of charts is LEAST suitable for representing the data above?

(A) Pie
(B) Bar
(C) Line
(D) Column

41. Spreadsheet formulae use

(A) values or labels
(B) labels or cell addresses
(C) values, ranges or cell addresses
(D) values, labels or cell addresses

42. Which of the following buttons can be used to fully justify text?

(A) 

(B) 

(C) 

(D) 

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43. In creating a query, a student entered the following criteria for the date field.

>= 05/11/2021 and <= 05/14/2021

The output will show days

(A) after 14th May 2021 only
(B) from 11th and 14th May 2021
(C) before 11th May and after 14th May 2021
(D) between 14th May and 5th November 2021

44. The field that uniquely identifies a record in a database is called the

(A) foreign key
(B) primary key
(C) alternate key
(D) secondary key

Item 45 refers to the following database table.

Item No.	Item Desc.	Quantity
H050	Hammer	20
H040	Hammer	40
FK030	Fork	35
FK020	Fork	40
FK015	Fork	45

45. The database table above shows records sorted by

(A) Quantity in ascending order
(B) Quantity in descending order
(C) Item No. in ascending order
(D) Item No. in descending order

46. Which of the following sequences of steps for deleting a record in a database table is correct?

I. Choose the delete row option.
II. Select the row to be deleted and right click.
III. Open table in design view.
IV. Choose yes to confirm deletion.

(A) I, II, III, IV
(B) III, II, I, IV
(C) II, III, I, IV
(D) II, I, III, IV

47. Which of the following clearly identify a hyperlink in an HTML document?

I. A link to an email address
II. A link to another webpage
III. A link to another location within the webpage

(A) I and II only
(B) I and III only
(C) II and III only
(D) I, II and III

48. Which of the following content controls would be useful when creating a fillable electronic form for online use?

I. Date picker
II. Check box
III. Drop-down list

(A) I and II only
(B) I and III only
(C) II and III only
(D) I, II and III

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49. Which of the following features allows the user to insert individual names in a primary document?

(A) Footer
(B) Header
(C) Mail merge
(D) Search and replace

50. Which of the following steps is required to centre text across a range of cells in a spreadsheet?

(A) Select and copy the text across the cells.
(B) Select and centre the text and then merge the cells.
(C) Select the text across the cells, then merge and centre.
(D) Type the text in the middle of the selected cells.

Item **51** refers to the following algorithm.

```
Read (A , B)
If A<B Then
Print(A);
```

51. Which of the following tasks does the algorithm perform?

(A) Reads two numbers and prints the first number
(B) Reads two numbers and prints the smaller number
(C) Reads two numbers and prints the first number if it is larger than the second number
(D) Reads two numbers and prints the first number if it is smaller than the second number

52. Which of the following is an example of a conditional construct?

(A) IF ... THEN ... ELSE
(B) FOR ... ENDWHILE
(C) WHILE ... ENDWHILE
(D) REPEAT ... UNTIL

53. When implementing a program, which of the following steps comes after executing?

(A) Linking
(B) Compiling
(C) Maintaining
(D) Interpreting

54. Which of the following is NOT a high-level programming language?

(A) C
(B) Java
(C) Pascal
(D) Assembly

55. Which of the following terms is an invalid variable name?

(A) Sum
(B) Vat15
(C) Count
(D) 2count

56. The decision box of a program flowchart shows the

(A) link to another page
(B) test to be carried out
(C) calculations to be done
(D) input and output operators

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57. A computer programmer is coding an algorithm which calculates the class average for a given exam. He creates a variable called class_avg. Which data type should he specify when declaring this variable?

(A) Real
(B) Integer
(C) Boolean
(D) Character

Item 58 refers to the following algorithm.

I. Ask users for length and width
II. length, width
III. area ← length * width
IV. "Area of rectangle is", area

58. Which of the following options, in the correct order, can be used to replace I, II and III in the algorithm?

(A) Read, process, prompt
(B) Process, read, prompt
(C) Prompt, read, process
(D) Read, prompt, process

59. What is the name given to an identifier that always holds the same value?

(A) Constant
(B) Location
(C) Variable
(D) Storage

Item 60 refers to the following algorithm.

Write ("Enter price: ")	(1)
Read (price)	(2)
Vat: ← price * 15%	(3)
Write Vat	(4)

60. Which line contains a processing statement?

(A) 1
(B) 2
(C) 3
(D) 4

END OF TEST

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

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