

## CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

### General Certificate of Education Examination

0796 INFORMATION AND COMMUNICATION TECHNOLOGIES 1

JUNE 2019

ADVANCED LEVEL

Centre Number	
Centre Name	
Candidate Identification No.	
Candidate Name	

**Mobile phones are NOT allowed in the examination room.**

### MULTIPLE CHOICE QUESTION PAPER

**One and a half hours**

#### INSTRUCTIONS TO CANDIDATES

*Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.*

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

#### *Before the examination begins:*

3. Check that this question booklet is headed "0796Information and Communication Technologies 1"
4. Fill in the information required in the spaces above.
5. Fill in the information required in the spaces provided on the answer sheet using your HB pencil:  
Candidate Name, Exam Session, Subject Code and Candidate Identification Number.  
Take care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions.

#### *How to answer the questions in this examination*

6. Answer ALL the 50 questions in this Examination. All questions carry equal marks.
7. Electronics calculators are NOT allowed
8. Each question has FOUR suggested answers: A, B, C and D. Decide which answer is appropriate. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.  
For example, if C is your correct answer, mark C as shown below:  
[A] [B] [C] [D]
9. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
10. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
11. Do all rough work in this booklet using the blank spaces in the question booklet.
- 12 At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.

03/0796/1/A/MCQ

**Turn Over**

1 A(n) \_\_\_ is installed when a new hardware is on play store connected to the computer: \_\_\_\_\_

A	Defragmenter
B	Device driver
C	Operating system
D	Translator

2 A technique that can capture data by converting text information on paper into editable text in the computer.

A	OCR
B	MICR
C	Scanning
D	OMR

3 Components in the CPU communicate through the: \_\_\_\_\_

A	NIC
B	RAM
C	Register
D	Bus

4 Eyestrain can be reduced by:

A	reducing room light intensity.
B	using LCD monitors.
C	using CRT monitors.
D	avoiding breaking eye contact with monitor.

5 Which of the following is a volatile medium?

A	DVD
B	Main memory
C	ROM
D	Flash memory

6 A task in a project was programmed to take 6 days although it can be finished in 4 days. This task is said to:

A	Be a lag task.
B	Be a critical task.
C	Have a successor.
D	Be a milestone task.

7 The technique of developing a system model and testing to make adjustments until an acceptable product is realized is known as: \_\_\_\_\_

A	Waterfall technique.
B	SDLC.
C	Flow charting.
D	Prototyping.

8 The equivalence of the binary number 111110 in hexa decimal is:

A	3E
B	F2
C	76
D	D3

9 A tool necessary to make payments in e-commerce is:

- A ISP
- B ATM
- C Credit card
- D ADSL

10. The component that is used by the computer to represent data is: \_\_\_\_\_

A	Keyboard
B	Logic Gates
C	Motherboard
D	Control unit

11. A network topology in which each device is directly connected to all other devices by a separate cable is known as: \_\_\_\_\_

A	Ring
B	Star
C	Mesh
D	Hybrid

12. A measure that will ensure that transmitted data is error free is known as:

A	Data Debugging
B	Data integrity
C	Data encryption
D	Data validity

13. If two users attempt to update the same record in a database

A	the DBMS blocks the record to one user.
B	the DBMS will freeze.
C	the DBMS will allow both updates to be saved.
D	the DBMS will shut down.

14. Which of the following are stages of the machine cycle in the control unit? \_\_\_\_\_

A	Control, Execute
B	Fetch, Execute
C	Execute, store
D	Decode, Fetch

15. Study the algorithm below  
*Start*  
 Give two integers,  $N$  and  $M$   
 If  $N$  is greater than  $M$   
 Then Set  $M$  to  $M-2$   
 Else Set  $M$  to  $N+3$  EndIF  
 Print  $M$ .

Stop.

Given that the input in the first statement are  $N=5, M=7$ , what is the value of the output?

A	15
B	8
C	13
D	5

16. Which of the following is NOT an activity in the design phase of system development?

A.	Selecting hardware needed
B	Writing algorithms
C	Draw up strategies for implementation
D	Writing codes for interface

17. Voters e-registration can be described as

B	Electronic census
C	On-line voting
D	Electronic capture

18. Bits of data from many wires are to be transmitted over a single wire. The device needed

A	Modem
B	Bus
C	Multiplexer
D	Switch

19. the control structure that executes a set of instructions a number of times based on a condition is called a?

A	Logic
B	Choice
C	Loop
D	Sequence

20. A system building tool that can be used to predict failures:

A	SDLC
B	Simulation
C	Try-by-error
D	Top-down

21. The software that attributes file formats is:

A	Application software
B	Kernel
C	Operating system
D	Format software

22. Any instruction to be processed by the CPU must be broken down to correspond to the

A	ALU
B	Instruction set
C	Program
D	g <sup>2</sup>

23. The method used by organization to completely do away with the old system to use a new system is known as implementation?

A	Direct
B	Complete
C	Parallel
D	Piecemeal

24. Communication circuits that transmit data in both directions but not at the same time are said to be operating in?

A	Simplex mode
B	Half-duplex mode
C	Asynchronous mode
D	Synchronous mode

25. A software that can convert codes written by programmers into machine code is: \_\_\_\_\_

A Defragmenter  
 B Operating system  
 C Application software  
 D Compiler

A design method that uses successive improvement on a model to arrive at the desired result is:

A	iteration
B	simulation
C	prototyping
D	SDLC

27. The protocol that defines the process of requesting and transferring HTML webpages across the internet is?

A	FTP
B	TCP
C	HTTP
D	POP3

28. Which of the following is utility software

A	Compression software
B	Operating system
C	DBMS
D	Word processor

29. The process that programmers take to eliminate errors in a code is known as?

A	Debugging
B	Syntax
C	Simulation
D	Prototyping

30. which of the following enables the monitor to display images?

A	Motherboard
B	Monitor viewer
C	Video controller
D	Video player

31. Consider the sentence below:  
 John n is a boy  
 The HTML statement for the sentence is:

A	<b>John is a <i>boy</b></i>
B	<b><i>John is a boy</b></i>
C	<b>John</b> is a <i>boy</i>
D	<b>John is a <i>boy</i></b>

32. Which of the following is a pointing device?

A	Touchpad
B	Keyboard
C	Monitor
D	Scanner

33. The equivalence of the Boolean expression NOT(A+B) is:

A	$\overline{A \cdot B}$
B	$\overline{A} + \overline{B}$
C	$\overline{A \cdot B}$
D	$\overline{A+B}$

Two students communicating through the Internet noticed that the communication speed

A	Poor computer performance
B	Small RAM size
C	The bandwidth is low
D	The distance of the users is wide

35. The technology that can be used by a teacher to simultaneously deliver live lectures to students in more than one location:
- |   |                            |
|---|----------------------------|
| A | Teleworking                |
| B | Distance learning          |
| C | Video conferencing         |
| D | Computer assisted learning |
36. The business organization that sells Internet access to people is known as:
- |   |           |
|---|-----------|
| A | ISP       |
| B | Google    |
| C | Microsoft |
| D | Linux     |
37. Parts of the same file that are scattered within the hard disk can be arranged to exist together by?
- |   |                    |
|---|--------------------|
| A | Antivirus software |
| B | Operating system   |
| C | Translators        |
| D | Defragmenter       |
38. Which of the following CANNOT tell the duration of a projects?
- |   |                        |
|---|------------------------|
| A | Gantt chart            |
| B | SDLC                   |
| C | Critical path analysis |
| D | PERT                   |
39. The device that selects the path to be taken by network signals as they move from one network to another is:
- |   |        |
|---|--------|
| A | Server |
| B | Bridge |
| C | Switch |
| D | Router |
40. A procedure that verifies that a user of a computer system is genuine is called?
- |   |                |
|---|----------------|
| A | Authorisation  |
| B | Authentication |
| C | Identification |
| D | Encryption     |
41.  $1101_2 + 1001_2 =$
- |   |       |
|---|-------|
| A | 11010 |
| B | 11111 |
| C | 10110 |
| D | 10101 |
42. A system that can predict weather condition is called:
- |   |                               |
|---|-------------------------------|
| A | Transaction processing system |
| B | Geographic information system |
| C | Management information system |
| D | Knowledge based system        |
43. A user of the Internet can be confident that information sent to a friend will only be received by him. This is possible through:
- |   |                 |
|---|-----------------|
| A | Hyper links     |
| B | URL             |
| C | Protocol        |
| D | Packets of data |
44. A language that can be used to extract specific information from a database is:
- |   |        |
|---|--------|
| A | Pascal |
| B | SQL    |
| C | BASIC  |
| D | Query  |
45. A hardware device that controls access between the Internet and the computer system is:
- |   |               |
|---|---------------|
| A | Proxy server  |
| B | Firewall      |
| C | Active switch |
| D | Router        |
46. A process that will translate a code written in high level language to a machine code is:
- |   |             |
|---|-------------|
| A | Compilation |
| B | Debugging   |
| C | Decoding    |
| D | Synthesis   |
47. An advantage of writing codes in machine language is?
- |   |                                |
|---|--------------------------------|
| A | It needs to be compiled        |
| B | The code executes faster       |
| C | Coding is easier to understand |
| D | Little memorization is needed  |
48. A series of strings that identify a by its network location is known as?
- |   |            |
|---|------------|
| A | IP address |
| B | Website    |
| C | Protocol   |
| D | URL        |
49. A process in which a customer gains access to a company's computer network for malicious intentions is called:
- |   |              |
|---|--------------|
| A | Hacking      |
| B | Masquerading |
| C | Phishing     |
| D | scamming     |
50. A system that accumulates data for a period of time before processing takes place is called:
- |   |                    |
|---|--------------------|
| A | Transaction system |
| B | Real-time system   |
| C | Batch system       |
| D | Reservation system |

STOP

GO BACK AND CHECK YOUR WORK