

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination / Technical and Vocational Education Examination

0796 INFORMATION AND COMMUNICATION TECHNOLOGIES 1

JUNE 2020

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 "0796 Information 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.**

Turn Over

1. Which of the following is most likely to slow down a computer's performance?

A	Increasing the number of output devices
B	Increasing the capacity of the cache
C	Increasing the number of running processes
D	Increasing the capacity of the RAM

2. Which technology innovation characterised third generation computers?

A	Integrated circuits
B	Transistors
C	Vacuum tubes
D	Micro processors

3. Which of the following best describes the backup process of computer data in case of disaster.

A	Reversing the files stored on the hard drive
B	Make an extra copy of the data on the hard disk partition.
C	Make an extra copy of the data to an external storage device
D	Creating a backup folder on your desktop

4. The expression $B12_{16} + 5CA_{16}$ evaluates to:

A	$1F42_{16}$
B	$20DC_{16}$
C	FDC_{16}
D	$10DC_{16}$

5. Which of the following best assists students to improve on their ICT knowledge and educational standards?

A	Access to Computers
B	Pedagogic training on the use of ICT
C	Access to computers on a LAN
D	Provision of internet and multimedia facility tools

6. What is the full meaning of the following network type, VPN?

A	Verified Protected Network
B	Virtual Protected Network
C	Verified Private Network
D	Virtual Private Network

7. Which one of the following statements is NOT true about tables?

A	Each column of a table represents a field.
B	Each row of a table represents a record.
C	Each record in a table contains unrelated collections of fields.
D	A table is a rectangular array of data

8. Data transmission rate usually refers to:

A	The amount of data that can be stored on a server online.
B	The amount of data that can be stored on LAN server.
C	The speed of uploading/downloading on an online server.
D	The speed of uploading/downloading on a local hard disk.

9. A management information system is used to:

A	create and share documents that support day-to-day office activities.
B	process business transactions.
C	Produce reports from transaction data needed by managers to run the business.
D	captures and reproduces the knowledge of an expert problem solver.

10. Which one of the following describes Voice over Internet Protocol (VoIP)?

A	A voice recognition program over Internet.
B	Technology that enables the delivery of telephone conversations over the Internet.
C	A rule that defines the transmission of data over the Internet.
D	Real-time text-based communication between two or more people over the Internet.

11. Quality Developer is a company that writes programs to do specific jobs for other companies. These programs are called?

A	Customized-purpose software
B	General-purpose software
C	Off-the-shelf software
D	Special-purpose software

12. Which of the following statements is FALSE concerning file names?

A	Files may share the same name or the same extension in the same location.
B	The file name comes before the dot (.) followed by the file extension.
C	File extension denotes the file type.
D	Every file in the same folder must have a unique name.

13. Data integrity constraints are used to:

A	control who is allowed access to the data.
B	ensure that duplicate records are not entered into the table.
C	improve the quality of data entered for a specific purpose.
D	prevent users from changing the data values stored in the table.

14. Choose from the following statements the one which is NOT a function of an Operating System.

A	To keep systems programmers employed
B	To make computers easier to use
C	To make the most efficient use of the computer hardware
D	To allow people to use the computer

15. Which one of the following statements about Software End User License Agreement is True?

A	It gives the user the exclusive right to copy and sell the software to other potential users.
B	It gives the user the right to modify the software.
C	It gives full ownership of the software to the user of the software.
D	It gives the user the right to install and run the software on a specified number of computers.

16. Which one of the following is NOT a web browser?

A	Google Chrome.
B	Opera Mini.
C	Yahoo.
D	Internet Explorer

17. A data transmission process which does not use start or stop bits or gaps is called:

A	Synchronous
B	Asynchronous
C	Full duplex
D	Simplex

18. An airline reservation system is an example of:

A	Batch processing
B	Real time processing
C	Interactive processing
D	Distributed processing

19. An information system that represents information in map form is called:

A	HIS
B	EIS
C	GIS
D	LIS

20. The e-commerce domain that involves business activities initiated by the consumer that targets a firm is known as:

A	Customer - to - Customer (C2C)
B	Customer - to - Business (B2B)
C	Business - to - Customer (B2C)
D	Business - Business (B2B)

3

21. Which of the following is a rare option when an anti-virus detects an infected file?

A	Quarantine
B	Delete
C	Open
D	Clean

22. In which aspect is the analog computer better than the digital computer?

A	Speed
B	Accuracy
C	Efficiency
D	Reliability

23. A network topology where network components are connected physically to the same cable trunk is:

A	Star
B	Ring
C	Bus
D	Mesh

24. A data structure that stores homogeneous data elements is:

A	Arrays
B	Fields
C	Records
D	Files

25. A pile in which items are added at one end and removed from the other is called?

A	Stack
B	Queue
C	List
D	Table

26. Which of the following is NOT a basic quality of information security?

A	Availability
B	Locality
C	Accessibility
D	Integrity

27. An advantage of teleworking is, it

A	lays more emphasis on teamwork.
B	allows flexible working hours.
C	allows more commuting time.
D	reduces office space.

28. Which type of visual object is used to analyse and represent the tasks involved in completing a project?

A	Flow Chart
B	Critical Path Chart
C	Overflow chart
D	Gantt Chart

29. A conversion technique in which the new system is introduced one part at a time is called:

A	Plunge conversion
B	Parallel conversion
C	Pilot conversion
D	Piecemeal conversion

30. Someone physically monitoring you while entering your pin code at the ATM without your consent is said to be:

A	Phishing.
B	Shoulder Surfing.
C	Spoofing.
D	Cracking

31. The expression $00001011 + 00001110$ evaluates to:

A	000011001
B	000011101
C	000010110
D	000010011

32. To be able to create, view, change or delete data on a computer system you will need:

A	Access rights.
B	Copy rights.
C	Sign in rights.
D	Entry rights.

33. A super market with a new inventory system will need what type of software in managing it?

A	Business Software
B	Marketing Software
C	Accounting Software
D	Stock Control Software

34. Which one of the following is NOT a feature of electronic commerce?

A	Goods can be advertised and prices compared.
B	Transactions can be processed quickly.
C	There is facial contact between buyer and seller.
D	Services are available 24 hours a day.

35. User requirement in an information system can be verified by:

A	Acceptance test
B	Unit test
C	Integrated test
D	Alpha test

36. Which of the following information systems best assists managers to deal with transactions that cannot be answered by reports from operational or tactical systems?

A	Transaction Processing System
B	Decision Support System
C	Office Automation System
D	Management Information System

37. The protocol used to send and receive electronic mails over the Internet is:

A	TCP/IP
B	FTP
C	SMTP
D	VoIP

38. The programming language that is characterized by use of mnemonics is?

A	Assembly language
B	High level language
C	Machine language
D	Procedural language

39. Which type of software controls the allocation of resources and software on the computer?

A	Network software
B	Operating system software
C	Application software
D	Security software

40. Which of the following shows the sequence of the operation of the microprocessor?

A	Fetch, encode, decode
B	Fetch, encode, execute
C	Fetch, encode, decode, execute
D	Fetch, decode, execute

41. The De- Morgan's Law for the logic OR states that

$$A + B =$$

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

42. Which of the following best describes a fundamental purpose of project management?
- | | |
|---|---------------------------------|
| A | Delivering change management |
| B | Planning and tasks management |
| C | Controlling progress management |
| D | Leadership and team management |
43. Which of the following best describes a malware that would replicate itself and uses a computer network to send copies to other computers?
- | | |
|---|---------------|
| A | Trojan Horses |
| B | Rootkits |
| C | Worms |
| D | Backdoors |
44. Which of the following devices sends data packets only to a receiving device?
- | | |
|---|----------|
| A | Hub |
| B | Switch |
| C | Bridge |
| D | Repeater |
45. Which of the following best describes a document created with an application package which could be used repeatedly by many users for similar purposes?
- | | |
|---|----------|
| A | Template |
| B | Wizard |
| C | Macro |
| D | Form |
46. The buying and selling of stocks over the Internet is called:
- | | |
|---|------------|
| A | e-commerce |
| B | e-banking |
| C | e-shopping |
| D | e-trading |
47. If two users attempt to update the same record in a database,
- | | |
|---|---|
| A | The database blocks the record to one user. |
| B | The database will freeze. |
| C | The database will allow both updates to be saved. |
| D | The database will shut down. |
48. An advantage of a vector-based graphic format is:
- | | |
|---|--|
| A | Quality does not change during resizing |
| B | Quality becomes sharper when scaled-up |
| C | Graphs can be placed in a vector form |
| D | It allows graphs to be converted to data |
49. A cable with central glass tube covered with protective shield which transmit data using photons over long distances is:
- | | |
|---|---------------|
| A | Coaxial cable |
| B | RJ45 |
| C | Optic Fibre |
| D | Twisted pair |
50. Select the method that best describes a programming paradigm that uses modules containing both data and processing operations:
- | | |
|---|------------------------------|
| A | Imperative Programming |
| B | Object- oriented Programming |
| C | Functional Programming |
| D | Procedural Programming |

STOP

GO BACK AND CHECK YOUR WORK