

**CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD**

**General Certificate of Education Examination**

**0796 INFORMATION AND COMMUNICATION TECHNOLOGIES 1**

**JUNE 2018**

**ADVANCED LEVEL**

Centre Number	
Centre Name	
Candidate Identification Number	
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 Number, 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 on which answer is correct. 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 input devices is the most appropriate to mark correct answers of multiple choice questions on an answer sheet?  
A Optical mark reader.  
B Scanner.  
C Magnetic mark reader.  
D Magnetic character reader.
- 
2. What is the main advantage of networking?  
A Cost reduction.  
B Sharing of resources  
C Advanced technology.  
D Internet services.
- 
3. A software used to prevent intruders from gaining access into networks is called a(n) \_\_\_\_  
A Anti virus.  
B Malware.  
C Firewall.  
D Spyware.
- 
4. A network type suitable for a large electricity corporation which has offices in all regions of the Republic of Cameroon is a \_\_\_\_  
A LAN.  
B WAN.  
C MAN.  
D WLAN.
- 
5. Which of the following is most likely to be true about computer networks?  
A The further apart the computers are, the slower the communication is.  
B The more the computers, the more difficult it is to communicate.  
C Virus spread more in WANs than in LANs.  
D The more the users, the more insecure the network is more likely to become.
- 
6. Which of the following explains the effect on a client-server network of bus topology when a client breaks down?  
A The network fails.  
B Only the computers on the side of the server function.  
C The network continues to function.  
D The other computers will improve in performance
- 
7. Select the best option if the cable of the file server in a star network breaks  
A The network remains functional but no file from the server can be retrieved.  
B The system stops functioning and no file from the server can be retrieved.  
C All services of the server stop but its Internet services remain functional.  
D Another computer plays the role of the file server and the system stays on.
- 
8. Information used by a router to determine the destination of each piece of data is contained in a \_\_\_\_  
A Configuration table.  
B TCP/IP.  
C Packet of data.  
D Network board.
- 
9. The situation in which users of an intranet work together in groups using web cameras is  
A Distance working.  
B Videoconferencing.  
C Distributed computing.  
D Blog working.
- 
10. A command line interface is different from a graphical user interface in that  
A It is not text-based.  
B Commands are given using menus.  
C It requires a mouse.  
D Doesn't require users to have knowledge of commands.
- 
11. Which of the following is NOT an example of a pointing device?  
A Keyboard.  
B Joystick.  
C Mouse.  
D Light pen.
- 
12. The name given to files that have been reduced in size is \_\_\_\_  
A Coded files.  
B Compressed files.  
C Shrunk files.  
D Decoded files.
- 
13. Software designed to disturb the functioning of a computer system is called a \_\_\_\_  
A Cookie.  
B Virus.  
C Spyware.  
D Driver.

14. Which of the following is a storage device?  
A Memory card reader.  
B Flash disk.  
C DVD.  
D Floppy disk.
- 
15. A multimedia resource may combine several elements such as  
A Video, text and speakers only.  
B Text and graphics only.  
C Text sound, graphics, animation and video only.  
D Text and sound only.
- 
16. Backup of data files will usually help to prevent:  
A Virus infection.  
B Loss of authenticity.  
C Duplication of data.  
D Loss of data.
- 
17. Which software would you use to write a textbook?  
A Web browsing software.  
B Spreadsheet software.  
C Word processing tutorial.  
D Word processor.
- 
18. Which of these is true of a System Development Life Cycle?  
A It is managed by a system analyst.  
B Gives the duration of the project  
C Has eight phases of development.  
D It is used to manage a project.
- 
19. Which of these is NOT used as a software development model?  
A Navigation.  
B Prototyping.  
C Boehm spiral model.  
D Waterfall model.
- 
20. Which of the following is a low level language?  
A COBOL language.  
B FORTRAN language.  
C ALGOL language.  
D Assembly language.
- 
21. Exactly, how many bytes are in 2.5 kilobytes?  
A 256  
B 2560  
C 2524  
D 2512
- 
22. The clock speed of a CPU is measured in  
A Bits per second.  
B Hertz.  
C Cycles per second.  
D Bytes per second.
- 
23. The correct order of the stages for a system development life cycle is  
A Analysis, Feasibility Study, implementation, Design.  
B Analysis, Design, Feasibility study, implementation.  
C Feasibility study, Analysis, Design, implementation.  
D Feasibility study, Analysis, implementation, Design.
- 
24. In SDLC, the collection of information by means of interviews, questionnaires observation and inspection of documents is an activity in  
A System analysis.  
B System investigation.  
C System specification.  
D Information requirement.
- 
25. What data type do we use for a variable called FOUND which asserts the presence of an element in an array of numbers?  
A Real.  
B Boolean.  
C Integer.  
D Number.
- 
26. An information system that manages on-line requests of hotel clients is termed a \_\_\_\_\_  
A Geographic information system.  
B Real-time system.  
C Management information system.  
D Batch processing system.
- 
27. Which of the lists below contains only input devices?  
A Mouse, webcam, MICR.  
B Printer, keyboard, scanner.  
C Mouse, printer, speakers.  
D Microphone, mouse, flash disk.
- 

Turn Over

28. Which of the following are Magnetic storage media?

- A Floppy disk and USB flash disk.
- B DVD and CD.
- C Hard disk and Floppy disk.
- D Hard disk and DVD.

29. A device that captures data to be processed by the computer is called a(n)

- A Storage device.
- B Connecting device.
- C Communication device.
- D Input device.

30. Which of the following best describes the purpose of a communication system?

- A Communicates messages over the radio, TV and telephones.
- B Transports data and information.
- C Manages data and information.
- D Controls activities of a company.

31. Which of the following lists contains only output devices?

- A Printer, monitor, keyboard.
- B Scanner, Printer, monitor.
- C Modern, router, switch.
- D Loudspeaker, monitor, Printer.

32. A program that translates a source code from a high-level programming language to a lower-level language is called a

- A Assembler.
- B Converter.
- C Decoder.
- D Compiler.

33. Which of the following is an Internet search engine?

- A Yahoo! Mail.
- B Yahoo! Messenger.
- C Mozilla Firefox.
- D Yahoo.

34. Data is transmitted over the Internet as \_\_\_\_\_

- A Data packets.
- B IP signals.
- C IP packets.
- D Data waves.

35. The memory that loses its information when the system's power is switched off is said to be

- A Volatile.
- B Power dependent.
- C Short term.
- D Interrupted memory.

36. Which of the following scenarios best describes intranet?

- A It is a network that provides Internet services only to some computers.
- B It is a private network that functions like the Internet.
- C It is a Local Area Network on the world wide web (www).
- D It is any network that has Internet.

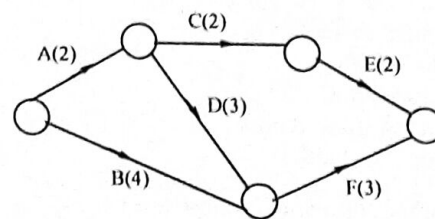
37. Which of the following describes the stages of the machine cycle?

- A Input, decode, execute.
- B Fetch, processing, input.
- C Fetch, decode, execute.
- D Input, storage, output.

38. A service which can be used by the state of Cameroon to provide online services to its citizens is known as \_\_\_\_\_

- A E-mail.
- B Web routing.
- C Legislation.
- D E-government.

39. The PERT chart below shows tasks A to F of a project with the duration of each task in brackets.



The critical path of the project is \_\_\_\_\_

- A A, D, F.
- B A, C, E.
- C B, D, C, E.
- D B, F.

40. The amount of time by which a project task may be extended or delayed without delaying other tasks is known as \_\_\_\_
- A Lag time.
  - B Slack time.
  - C Lead time.
  - D Extra time.

41. A task that shows an achievement in a project with zero duration is \_\_\_\_
- A Critical task.
  - B Float task.
  - C Milestone.
  - D Slack task.

42. Which of the following terms best describe what a project has to accomplish?
- A Target.
  - B Task.
  - C Constraint.
  - D Scope.

43. An electricity cooperation calculates the amounts to be paid by its clients as follows: those who consume less than 100 units per month pay 50frs per unit; those who consume 100 units and above pay 75frs per unit. What algorithmic structure can be used to solve the problem?
- A Recursion.
  - B Repetition.
  - C Loop.
  - D Choice.

44. Which of the following data structures is referred to as a LIFO (Last In First Out) abstract data type?
- A List.
  - B Queue.
  - C Stack.
  - D Tree.

45. Translating an algorithm into a programming language is called:
- A Coding.
  - B Computing.
  - C Interpreting.
  - D Debugging.

46. Study the algorithm below.  
Get a positive integer, N  
If  $N < 3$   
Set P to  $3 * N/2$   
ELSE  
Set Y to  $5 * N/2$   
SET P to  $Y - 4$   
ENDIF  
PRINT P

What is the value of P given that the value of N at the beginning is 6?

- A 11
- B 9
- C 5
- D 15

47. Which of the following loop construct will execute at least once even if the test expression is false
- A For.
  - B DO-While.
  - C While
  - D If

48. Which of the following is true of Gantt Charts?

- A They show the percentages of different tasks in a project.
- B They allow the manager of a project to monitor the progress of a project.
- C They are a group of Pie charts that are connected to give a project manager an idea of how projects are related.
- D They are charts on which the project manager records finished tasks.

49. A program that needs to be compiled before execution is in
- A Low level language.
  - B High level language
  - C Machine code
  - D Compilation code

50. When a code is compiled a(n) \_\_\_\_ is produced.
- A Output
  - B File
  - C Object code
  - D Source code

STOP

GO BACK AND CHECK YOUR WORK