

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD
General Certificate of Education Examination

0595 COMPUTER SCIENCE 1

JUNE 2018

ORDINARY 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 “**Ordinary Level - 0595 Computer Science 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. 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]
8. 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.
9. 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.
10. **Calculator are NOT allowed.**
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

4/0595/1A/MCQ
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1. How many cells are there in spreadsheet cell range A2:C6?
 - A 4
 - B 8
 - C 15
 - D 3
2. The term softcopy means:
 - A Electronic output
 - B Information on magazines
 - C Information spoken in soft tone
 - D Information not hand written
3. The file extension .pdf stands for:
 - A Printable document format
 - B Permanent document format
 - C Portable document format
 - D Page document format
4. In project management, the total time needed by a project is determined by:
 - A Lead time
 - B Gantt chart
 - C Critical path
 - D Slack time
5. The process of using a network to place a file on a server computer is usually referred to as:
 - A File loading
 - B Internet loading
 - C uploading
 - D downloading
6. A pictorial representation of a program or file is known as:
 - A Folder
 - B Menu
 - C Picture
 - D Icon
7. The acronym GIS stands for:
 - A Geographic Interactive System
 - B Geographic Interactive Software
 - C Geographic Information Science
 - D Geographic Information System
8. Convert 512 megabytes to gigabyte.
 - A 2.0
 - B 0.5
 - C 5.12
 - D 51.2
9. In programming, the term “data type” means:
 - A Set of values that can be held by a variable.
 - B Set of values in a field.
 - C Set of alphanumeric characters.
 - D Set of numbers that can be held by a variable.

10. Channeling of signals from different sources through a single pathway is referred to as:
 - A demultiplexing
 - B Compression
 - C demodulation
 - D Multiplexing

11. Which of these hardware components coordinates the operations of a computer system?
 - A Control Unit
 - B Microprocessor
 - C Arithmetic and Logic Unit
 - D System unit

12. Which of these hardware components is generally used to hold data temporarily?
 - A E. PROM
 - B Read Only Memory
 - C PROM
 - D Random Access Memory

13. Convert the hexadecimal number 59 into binary.
 - A 1001101
 - B 1010101
 - C 1011001
 - D 1101101

14. Software, such as Internet Explorer, Google Chrome and Firefox, are referred to as:
 - A System software
 - B Utility software
 - C Browsers
 - D Internet tools

15. At what stage in the SDLC will developers start to acquire equipment or software?
 - A Development
 - B Design
 - C Implementation
 - D Maintenance

16. Which of the following is the fastest medium of data transfer?
 - A Coaxial cable
 - B Twisted pair cable
 - C Telephone lines
 - D Optic Fibre cable

17. The main function of the browser is to
- A Compile HTML
 - B Interpret HTML
 - C Analyse HTML
 - D Assemble HTML

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23. A travelling agency has a computerized system whereby reservations can be made online. This is an example of a (n):
- A Real-time processing system
 - B Batch processing system
 - C Decision support system
 - D Off-line processing system

Consider the table below for questions 18-20.

Code	Last Name	First Name	Address	Contact	Fees Due	Fees Paid
123	Tima	Telesia	Yoka	1122347	250000	150000
124	Valery	Tonton	Vallie	1121477	300000	180000
125	Soya	Kumto	Coastal	1121077	250000	170000
126	OLum	Oliver	Savan	1121478	270000	270000
127	Desmond	Tatina	Molital	1144477	240000	100000

18. The above table has _____ records.
- A 5
 - B 6
 - C 7
 - D 35

19. The table has _____ attributes.
- A 5
 - B 6
 - C 7
 - D 42

20. A field which uniquely identifies a record in a database table is referred to as:
- A A record key
 - B A primary key
 - C A foreign key
 - D A normal key

- 21 Every Friday at 12:00 PM, Sama does a full backup of her computer system, If the hard disk fails on the following Tuesday at 11:00 AM, what data would he likely lose?
- A No data will be lost.
 - B Data entered before 12 noon on Friday
 - C All data entered from Frida at 12:00 PM to Tuesday at 11:00 AM.
 - D Some of the data between Friday at 12:00 noon and Tuesday at 11:00 AM.

22. Information systems that process data generated out of business operations like sales, purchases, and payments are called:
- A Transaction Processing Systems
 - B Office Automation Systems
 - C Decision Support System
 - D Executive Information System

24. Validation and verification checks are performed to ensure:
- A Data security
 - B Data integrity
 - C Data protection
 - D Software security

25. Computer program code that replicates itself and occupies a lot of computer memory is called a:
- A Computer virus
 - B Worm
 - C Trojan horse
 - D Malware

- 267 One good characteristic of an algorithm is that it should be:
- A Ambiguous
 - B Vague
 - C Unambiguous
 - D Intractable

27. Software that converts a program written in low level language into machine code is called a (n):
- A Debugger
 - B Compiler
 - C Assembler
 - D Interpreter

28. Ergonomics is the study of the effects on computer users of all the following **EXCEPT**:
- A Processing speed
 - B Keyboard design
 - C Adjustments of the chair
 - D Lighting of the computer room

29. Some modem PCs are dual core. This means that the computer's processor:
- A Functions like two independent processors.
 - B Always executes the same instruction twice.
 - C Uses two different voltages for different components.
 - D Always execute, two sets of instructions at the same time.

Turn Over

4-/0595/1/A/MCQ

30. _____ is a word processing feature that allows us to type continuously without pressing
- A Editing
 - B Formatting
 - C Word wrap
 - D Continuation

31. An example of a logical operator is:

- A <
- B +
- C *
- D /

32. The output of a certain logic gate is displayed below. Which of the logic gates pertains to the truth table?

Input	Input	Output
0	0	1
0	1	1
1	0	1
1	1	0

- A AND
- B NAND
- C OR
- D NOR

33. If the rate of transmission of data between two devices is 3 bytes per second, then the number of bits transmitted in 10 seconds is:

- A 240 bits
- B 30 bits
- C 24 bits
- D 80 bits

34. A common source of radiation hazards in computing environment is attributed to:

- A Cathode Ray Tube Monitors
- B Liquid Crystal Display Monitors
- C Laser Printers
- D Optical Scanners

35. A programming Language that uses instructions in the form of binary codes is:

- A An assembly Language.
- B A high level language.
- C A machine language.
- D A fourth generation language.

36. Which of the following takes place during the booting process?

- A The operating system and the application software are loaded in the RAM.
- B The application software is loaded onto the RAM.
- C The operating system is loaded onto the RAM.
- D The keyboard and mouse drivers are installed in the computer.

37. In information systems design, the person who writes software to be used by different users is the:

- A Database administrator
- B Computer programmer
- C Computer specialist
- D System analyst

38. The use of capital letters in an e-mail is considered to be poor netiquette because:

- A The sender is giving the impression that he is NOT an expert.
- B Capital letters will occupy more space in memory.
- C The sender is considered to be shouting
- D This is what spammers like to do.

39. The two main categories of software are:

- A System software and Operating system.
- B System software and Application software.
- C Operating system and Application software.
- D Word processing and spreadsheet software.

40. Which is the password with the highest strength?

- A Calvinebirthday
- B 123456
- C Jane Theboss
- D Food4allin

41. The hexadecimal numbering system is in base:

- A 2
- B 10
- C 16
- D 8

42. A risk related to the open nature of networks is:
- A Theft of hardware.
 - B Insecurity from irresponsible users.
 - C Sharing of resources
 - D Increasing need to purchase new network devices.

43. Perform the following binary subtraction: 101111 - 100110

- A 1001
- B 1101
- C 1010
- D 1111

44. A pair of HTML tags used to display text in bold

are

- A `<BOLD> AND </BOLD>`
- B ` AND `
- C `<BLD> AND </BLD>`
- D `<BD> AND </BD>`

45. A disk defragmenter is an example of:
- A An application software
 - B An operating system
 - C A utility software
 - D A presentation software

46. What programming construct is depicted by the activities from Stage 3 to Stage 4 to Stage back to Stage

- A Sequence
- B Selection
- C Loop
- D Branch

47. What value will be printed for X at Stage 6?

- A 4
- B 5
- C 6
- D 1

48. What happens at Stage 4?

- A Decision is made
- B Determine what the value of N is
- C The value of N is incremented by 1
- D Error is generated.

49. Bar charts are most easily produced in which kind of software?

- A Desktop publishing
- B Database management
- C Word processing
- D Spreadsheet

Answer questions 46 to 48 in relation to the flowchart given in Figure 1.

The various stages have been numbered for convenience.

Assume that the value read for X at Stage 1 is 1.

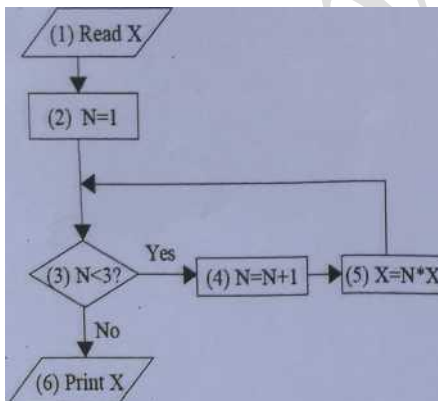


Figure 1.

STOP

GO BACK AND CHECK YOUR WORK

50. Which of the following storage capacities are arranged in increasing order.

- A 1GB < 1TB < 1 MB
- B 1TB < 1GB < 1MB
- C 1MB < 1TB < 1GB
- D 1MB < 1GB < 1TB