CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD
General Certificate of Education Examination

0595 COMPUTER SCIENCE 1

JUNE 2019   **ORDINARY LEVEL**

Centre Number	
Centre Name	
Candidate Identification No.	
Candidate Name	

Mobile phones and Calculators 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.
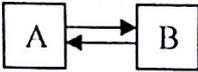
How to answer the questions in this examination

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 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]

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.   Do all rough work in this booklet using the blank spaces in the question booklet.
11.   **At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet.**
12.   **DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.**

_____Turn Over

1. Before a program is run, it must be loaded in the:
   - A ROM.
   - B Hard disk.
   - C RAM.
   - D Virtual memory.

2.

   Data can be transmitted between device A and B simultaneously. This mode of data transmission is referred to as:
   - A half duplex.
   - B simplex.
   - C fullduplex.
   - D multiplex.

3. One way to prevent unauthorized use of files in a computer network is to:
   - A decrypt files.
   - B encrypt files.
   - C use spyware.
   - D spam filter.

4. The process that checks the functionality of hardware and copies the operating system onto the RAM is referred to as:
   - A booting.
   - B input.
   - C processing.
   - D storage.

5. Android is a(n):
   - A operating system.
   - B a generation of young people.
   - C application software.
   - D type of smartphone.

6. Which of the following computer security measures directly address the problem of privacy of health records?
   - A Installing anti- virus software in health information systems.
   - B Collecting only necessary information about people.
   - C Making frequent backups.
   - D Using a fire wall.

7. The part of the CPU that holds data that is being processed is the:
   - A control unit.
   - B arithmetic unit.
   - C logic unit.
   - D register.

8. In a system development life cycle, pilot conversion means running:
   - A the new system alongside the old system.
   - B the new system with selected users alongside the old system.
   - C parts of the old system with parts of the new system.
   - D the new system while the old one is shut down.

9. The abbreviation URL stands for:
   - A Unified Resourced Location.
   - B Uniform Resource Location.
   - C Uniform Resource Locator.
   - D Unified Resource Locator.

10. The maximum rate of transmission of data per unit time along a communication channel is called:
    - A gigahertz.
    - B gigabyte.
    - C broadband.
    - D bandwidth.

11. Pseudo code is used for _____
    - A denoting program flow.
    - B writing programs.
    - C creating flowcharts.
    - D writing steps of an algorithm.

12. Software commonly used to open web pages is called:
    - A search engine.
    - B homepage.
    - C browser.
    - D URL.

13. In logic gates, a logic high is represented by 1 and a logic low by 0. A NOR gate outputs a logic high when:
    - A all inputs are high.
    - B all inputs are low.
    - C one input is high while others are low.
    - D one input is low while others are high.

14. PIN code means:
    - A Personal Identification Number code.
    - B Personal Identity Number code.
    - C Private Identification Number code.
    - D Private Identity Number code.

15. The pair of html tags <ol> …. generates:
    - A unordered list.
    - B numbered list.
    - C bulleted list.
    - D odd numbered list.

16. Vacuum tubes were used in the_____ generation(s) of computers.
    - A first and second
    - B first
    - C second
    - D second and third

Go on to the next page

17. The full meaning of SDLC is:
    A   System Design Life Cycle.
    B   Software Design Life Cycle.
    C   System Development Life Cycle.
    D   Software Development Life Circle.

18. In databases, a field of type integer can:
    A   also accept a real number.
    B   accept any alphanumeric character.
    C   accept only whole numbers.
    D   also accept a currency symbol.

19. Sending a file from your computer to a server is called:
    A   downloading.
    B   reading.
    C   writing.
    D   uploading.

20. Software that manages hardware and other installed software is called:
    A   device driver.
    B   application software.
    C   operating system.
    D   utility software.

21. A certain computer has a 2GHz dual core CPU. Which one of the following is true about the CPU?
    A   It operates 2 cycles per second.
    B   It operates at about 4GHz.
    C   It process 2GB of data per second.
    D   It operates 4 cycles per second.

22. Which of the following is a program used for locating and correcting programming errors?
    A   Compiler.
    B   Assembler.
    C   Debugger.
    D   Linker.

23. _____ is an example of a picture file format?
    A   tiff
    B   wav
    C   mp3
    D   html

24. In networking, the abbreviation MODEM stands for:
    A   Modular and Demodulator.
    B   Modulator and Demodulator.
    C   Modulation and Demodulation.
    D   Moderation and Demoderation.

25. Which software below is most suitable for computer simulation?
    A   Desktop publishing software.
    B   Spreadsheet.
    C   Word processor.
    D   Database management software.

26. A file compression software is an example of:
    A   application software.
    B   operating system.
    C   utility software.
    D   presentation software.

27. The spreadsheet cell range A2:C6 has ___ cells.
    A   4
    B   8
    C   15
    D   3

28. CPU speed can be expressed in:
    A   microseconds
    B   megahertz
    C   megabytes
    D   mega watts

29. In a database table, a field that can be used to uniquely identify a record is:
    A   key field.
    B   secondary field.
    C   foreign key.
    D   optional key field.

30. The number 56A3 has been written possibly in base:
    A   16.
    B   7.
    C   8.
    D   9.

31. An open source software is one that:
    A   has no license.
    B   can be modified, distributed freely.
    C   is downloaded from the internet.
    D   is not protected from viruses.

32. Which of these enables a computer to handle programs that require more memory than available RAM?
    A   Virtual memory.
    B   Cache memory.
    C   ROM.
    D   Register.

33. In the hexadecimal number system there are ___ distinct symbols.
    A   10
    B   15
    C   16
    D   12

34. For signals to travel long distances, their strength needs to be boosted by a device called a:
    A   Modem.
    B   Repeater.
    C   Router.
    D   Multiplexer.

35. The Hexadecimal number 2E in binary is
    A 101110
    B 110110
    C 101100
    D 111100

36. A relational Database comprises a collection of:
    A relations.
    B records.
    C folders.
    D tables.

37. The central processing unit of a micro computer consists of _____
    A RAM and registers.
    B Control Unit and ALU.
    C ALU and RAM.
    D Cache and RAM.

38. _____ refers to the goal, objectives, and expectations of a project.
    A Project scope
    B Project design
    C Project analysis
    D Project review

39. The health hazard carpal tunnel syndrome is basically related to:
    A prolonged use of computer monitor or screen.
    B prolonged use of computer keyboard.
    C poor placement of computer chair.
    D poor location of computer monitor on table.

40. _____ is an input device capable of capturing hardcopy data into the computer system.
    A Keyboard
    B CD-ROM drive
    C Flash memory stick
    D Scanner

41. Planning, scheduling and controlling of the activities of the system development life cycle is known as:
    A Project Design.
    B Project Analysis.
    C Project Management.
    D Project Feasibility Study.

42. SIM stands for:
    A Software Identity Module card.
    B Simulation Identity Module card.
    C Single Inline Module.
    D Software Installation Module card.

43. In computer programming, the term variable means:
    A memory location whose value can change.
    B data that changes.
    C some arbitrary number.
    D a data structure.

44. The octal equivalence of the binary number 11010110 is:
    A 234.
    B 326.
    C 624.
    D 462.

45. The acronym MP3 stands for:
    A Motion Picture Expert Group Audio Layer 3.
    B Motion Picture Audio Layer 3.
    C Motion Picture Layer 3.
    D Motion Picture Expert Group Audio Level 3.

46. The abbreviation MMS stand for:
    A Multiple Media Search.
    B Multimedia Management Search.
    C Multimedia Messaging Service.
    D Multiple Media Service.

47. Which of the following is an example of invasion of privacy?
    A A hacker breaks into a computer system and steals records.
    B A medical doctor informs his/her friends on the health status of his/her patients.
    C A student copies another student's project report from the web, and submits to without the knowledge of the author.
    D A friend steals my ATM card and PIN, and use these to withdraw money from my account.

48. Which one of the following is a primary storage device?
    A RAM.
    B ROM.
    C USB stick.
    D Hard disk.

49. _____ is a circuit board that enables the computer system to output audio files.
    A Graphic card
    B Sound card
    C Memory card drive
    D Flash drive

50. _____ is an example of a solid state storage device.
    A Diskette drive
    B CD – ROM drive
    C Hard disc drive
    D USB flash drive

STOP

GO BACK AND CHECK YOUR WORK