CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD
General Certificate of Education Examination

0595 COMPUTER SCIENCE 1

JUNE 2016   **ORDINARY 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 "**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, Centre Number and Candidate 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. DO NO ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.**

                                                                            Turn Over

1. Application software most suitable for doing automatic calculations as data changes is:
   A   Spreadsheet
   B   Word processor
   C   Database Management System
   D   Presentation software

2. The abbreviation WWW stands for:
   A   World Wild Web
   B   World Wide Web
   C   World White Web
   D   Wide World Web

3. The installation of a newer version of software is referred to as:
   A   Downloading
   B   Uploading
   C   Upgrading
   D   Updating

4. A central device is used to connect the machines in a _____ network.
   A   bus
   B   star
   C   mesh
   D   ring

5. _____ is a temporary storage area in the CPU for input/output operations.
   A   Channel
   B   Buffer
   C   Register
   D   USB key

6. A graphical representation of an algorithm is known as:
   A   Flow chart
   B   Graphical User Interface
   C   Pseudocode
   D   Data Flow Diagram

7. Data and programs that are not currently in use by the computer are stored in _____
   A   the input unit
   B   the output unit
   C   main memory
   D   secondary storage

8. Step-by-step instructions that run on a computer are called _____.
   A   data
   B   information
   C   program
   D   procedures

9. Software used to access the WWW is called a (an) _____.
   A   web
   B   email
   C   browser
   D   mozilla

10. Making illegal copies of copyrighted software is known as _____.
    A   Scamming
    B   Browsing
    C   Sharing
    D   Piracy

11. . The most appropriate software to use to deliver a lesson in a classroom is:
    A   Word processing software
    B   Spreadsheet software
    C   Database software
    D   Presentation software

12. The meaning of SMS as used in mobile communication is:
    A   Short Messaging Service
    B   Short Mobile Service
    C   Short Message Sender
    D   Short mobile Sender

13. An electronic pathway through which the processor communicates with other parts of a computer system is a _____.
    A   communication cable.
    B   register.
    C   bus.
    D   processor cable.

14. Which one of the following is a valid address for a website?
    A   http://www.margiestravel.com
    B   http//www.margiestravel.com
    C   http://www.com.margiestravel
    D   http//:www.margiestravel.com

15. What type of license agreement is an individual automatically agreeing to when they purchase software?
    A   An end-user license.
    B   A multi-user license.
    C   A website license.
    D   A business license.

16. A field which uniquely identifies records in a database table is referred to as:
    A   Identify key.
    B   Identity key.
    C   Foreign key.
    D   Primary key.

17. Which one of the following helps to create a good ergonomic working environment?
    A   Protecting computer monitors from reflections and glare by correcting positioning.
    B   Protecting data in the computer by using effective anti-virus.
    C   Making sure the voltage regulators of your computer uses the right voltage.
    D   Making regular backup of sensitive data.

18. Software that converts a program one statement at a time into machine language just before the statement is executed is:
    A   compiler
    B   debugger
    C   interpreter
    D   assembler

19. Which of the following is an example of a declarative language?
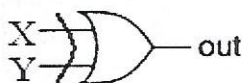   A   SQL
    B   C++
    C   Java
    D   Pascal

20. The given truth table is for the _____ gate.
    A   NAND
    B   NOR
    C   AND
    D   OR

INPUTS		OUTPUT
X	Y	out
0	0	1
0	1	1
1	0	1
1	1	0

21. For the given logic gate, the expression for the output is:
    A $out = X \bullet Y$
    B $out = X + Y$
    C $out = X \oplus Y$
    D $out = \overline{X + Y}$

22. Guidelines for the use of the Internet is referred to as:
    A   Code of ethics
    B   Netiquette
    C   Cyber law
    D   Etiquette

23. If you DO NOT want your data to be read while being sent over the Internet, then you need to:
    A   Use a firewall.
    B   Encrypt the data.
    C   Decrypt the data.
    D   Inscribe the data.

24. In project management, a _____ task must not be delayed if the entire project has to be finished on schedule.
    A   Dummy
    B   Hanger
    C   Critical
    D   Main

25. Which of the following structured (or compound) data types can be used to store a collection of test scores of ALL the students in a class?
    A   Real
    B   Integer
    C   Array
    D   String

26. How many nibbles are there in 4 bytes?
    A   32
    B   16
    C   8
    D   4

27. What does EBCDIC stand for?
    A   Extended Binary Coded Digital Interchange Code
    B   Extended Binary Coded Decimal Interchange Code
    C   Extended Binary Coded digital Integer Code
    D   Extended Binary Coded Decimal Integer Code

28. Which of the following is an example of an impact printer?
    A   Laser printer
    B   Ink jet
    C   Dot matrix
    D   Thermal

29. Another name for secondary storage is
    A   Disk storage
    B   Primary storage
    C   Memory
    D   Auxiliary storage

30. A collection of related web pages is a
A   Web book
B   Web document
C   Web site
D   Web directory

31. The process of converting digital signals to a form suitable for transmission over a telephone line is called:
A   Modulation
B   Demodulation
C   Line switching
D   Multiplexing

32. The first major computer network was:
A   World Wide Web
B   BIGNet
C   EarthNet
D   ARPANET — _Communication_

33. A _____ is a communication network that covers a large geographical area such as a country
A   LAN
B   MAN
C   WAN
D   PAN

34. _____ is a protocol for transfering files over the Internet.
A   HTTP
B   FTP
C   ISP
D   URL

35. Buying and selling over the internet is also known as
A   e-marketing
B   e-selling
C   e-commerce
D   e-buying

36. _____ is a set of rules that governs the transmission of signals across devices in a network.
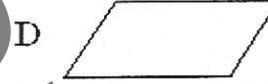A   Protocol
B   Topology
C   Token
D   Telnet
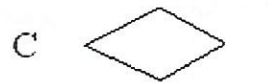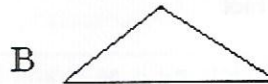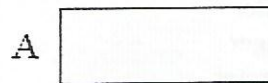
37. People who manage and manipulate the development of information systems are referred to as _____.
A   users
B   programmers
C   system analysts
D   clients

38. What is the decimal equivalent of the binary number 11011?
A   37
B   27
C   16
D   61

39. In which phase of the system development life cycle are interviews and questionnaires used?
A   Implementation
B   Analysis
C   Documentation
D   Design

40. Simulation software is:
A   designed to solve real life problems
B   used to design other software
C   designed to imitate a real life situation
D   used in designing 3D objects

41. Which of the following is _NOT_ a flow chart symbol?

A   ▭

B   △

C   ◇

D   ▱

42. Bluetooth connections between two or more devices is an example of a _____ network
A   PAN
B   WAN
C   MAN
D   SAN

43. The main role of a repeater in a network is to:
A   Amplify weak signals
B   Select the best path for a packet across networks
C   Provide an error free connection between two network segments
D   Ensure that two network have a repeated set of signals

44. If the ASCII code for letter b in binary is 01100010, then the ASCII code for letter d in binary is?
    A   01101101
    B   01101010
    C   01101100
    D   01100100

45. A webcam is a(an)
    A   output device.
    B   input device.
    C   processing device.
    D   Storage device.

The Questions 46 to 48 concern Spreadsheet Applications.

46. A pre-programmed formula is called _____.
    A   a function
    B   a graph
    C   a range
    D   software

47. A column header is described as:
    A   field name
    B   value
    C   formula
    D   Cell address

48. Which of the following is a correct cell address?
    A   AB
    B   Z33
    C   9Z
    D   F0

49. A (an) _____ is a pictorial representation of a command or task that is used in GUIs
    A   painting
    B   clip art
    C   icon
    D   dialog box

50. In which phase of the SDLC is data gathered and scrutinized
    A   Preliminary investigation
    B   System analysis
    C   System design
    D   System development

STOP

GO BACK AND CHECK YOUR WORK