

# LICSTA MOCK 2023, O/L COMPUTER SCIENCE 1

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

REPUBLIC OF CAMEROON  
Peace – Work – Fatherland

MINISTRE DES ENSEIGNEMENTS  
SECONDAIRES

MINISTRY OF SECONDARY EDUCATION

DELEGATION REGIONALE DU LITORALE

REGIONAL DELGATION FOR THE LITTORAL

INSPECTION REGIONALE DE PEDAGOGIE

REGIONAL INSPECTORATE OF PEDAGOGY



GENERAL CERTIFICATE OF EDUCATION MOCK EXAMINATION		
ORDINARY LEVEL		
SUBJECT TITLE CODE	COMPUTER SCIENCE CSC 0595	MARCH 2023
PAPER NUMBER	1	

Time Allowed: One and a half hours.

## INSTRUCTIONS TO CANDIDATES:

*Read the following information carefully before you start answering the questions in the answer 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 "0595 – COMPUTER SCIENCE 1"
- 4 Insert the information required in the space provided above
- 5 Insert the information required in the spaces provided in the answer sheets using your HB pencil:

**Candidate Name, Centre Number and Name, Subject Code Number and Paper Number**

### *How to answer the questions in this examination*

- 6 Answer ALL the 50 questions in this Examination. All Questions carry equal marks
  - 7 Non-programmable calculators may be used
  - 8 Each question has FOUR suggested answers A, B, C, D. Decide on which answer is correct, find the number of the question on the Answer Sheet and Draw a horizontal line across the corresponding letter to join the square brackets for the answer you have chosen. For example, if your correct answer is D, mark D 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 answer, erase the first mark carefully and 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 the question later.
  - 11 Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
- You must not take this booklet out of the examination room. ALL QUESTIONS BOOKLETS AND ANSWER**

SHEETS WILL BE COLLECTED AT THE END OF THE EXAMINATION

- 1) The first (1st) general-purpose calculating device was called:
  - A. Pascaline
  - B. Analytical engine
  - C. Abacus
  - D. Napier's bones
- 2) The size of the screen is measured in?
  - A. Megahertz
  - B. Inch
  - C. Dot per inch
  - D. Pixel
- 3) A memory type that loses it contains when the PC power is switched off is :
  - A. Volatile memory
  - B. ROM Memory
  - C. Flash memory
  - D. Secondary memory
- 4) The difference between RAM and HDD is that data in RAM is ..... while data in HDD is .....
  - A. Permanent, Temporary
  - B. Fast, Temporal
  - C. Temporary, Permanent
  - D. Temporal, Fast
- 5) From what location are the first computer instructions available on bootup?
  - A. ROM BIOS
  - B. CPU
  - C. Boot.ini
  - D. F1 key
- 6) Which of the following CANNOT be modified once written?
  - A. RAM
  - B. PROM
  - C. HDD
  - D. EEPROM
- 7) What name is given to a process that erases all the data on a storage disk and prepares the disk for use?
  - A. Disk burning
  - B. Disk scanning
  - C. Disk crash
  - D. Disk formatting
- 8) The following are activities that take place during the boot up process except
  - A. Basic setting is loaded like which disk drive are present
  - B. The hardware is checked
  - C. Configuration files are loaded
  - D. Some programs that you will not use at that moment are isolated
- 9) A bar code reader is an example of a (an)
  - A. Input device
  - B. Output device
  - C. Processing device
  - D. Storage device
- 10) \_\_\_\_\_ is a temporary storage area in the CPU for input/output operations:
  - A. Channel
  - B. Buffer
  - C. Register
  - D. USB Key
- 11) Which of the following serves as both an input device and an output device?
  - A. Monitor
  - B. Printer
  - C. Mouse
  - D. Touch sensitive screen
- 12) The scanner is an example of
  - A. Optic device
  - B. Output device
  - C. Processing device
  - D. Input device
- 13) The part of the CPU that alters the order of operations based on conditional statements is called
  - A. Cache unit
  - B. Logic unit
  - C. Control unit
  - D. Arithmetic unit

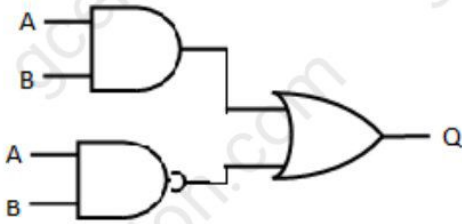
14) The truth table on the right is for the

\_\_\_\_\_ gate

- A. AND
- B. XOR
- C. NXOR
- D. NAND

A	B	Q
0	0	1
0	1	0
1	0	0
1	1	1

Question 15 to 16 concerns the following logic circuit:



15) Identify the gate whose the output is Q

- A. AND gate
- B. NOT gate
- C. OR GATE
- D. Q gate

16) If the inputs A=1 and B=0 then the output Q is:

- A. Q=0
- B. Q=1
- C. Q= 10
- D. Q=100

17) Which of the following statements is true?

- A. byte is a single digit in binary
- B. bit represent a group of digital numbers
- C. byte is an eight digit binary number
- D. bit is an eight digit digit binary number

18) ASCII stand for:

- A. American State of Code for Information Interchange
- B. American Standard Code for Information interchange
- C. American Standard Challenge for Irregular Information

D. American Standard Challenge for Information Interchange

19) In digital information storage, how many character(s) are there in 8 bits?

- A. 8
- B. 128
- C. 2
- D. 1

20) What is the decimal equivalent of the binary number 11101?

- A. 39
- B. 29
- C. 1101
- D. 61

21) In the binary system, subtracting 101 from 1001 gives

- A. 101
- B. 0110
- C. 0100
- D. 1001

22) In terms of computing ergonomics refer to:

- A. How to use computers and computing devices
- B. How to set up the computer and other equipment to minimise risk of injury and discomfort
- C. How to prevent the computer from malware
- D. How to make computers friendlier

23) 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

24) Which of the following file extensions is likely to be an image file?

- A. .mpeg  
 B. .avi  
 C. .jpeg  
 D. .xls
- 25) A software required to design a web page is called:
- A. Internet  
 B. Text editor  
 C. Browser  
 D. Spreadsheet
- 26) Video conference, Telemedicine, telecommuting etc., are technologies most people link up to discuss things. Choose the main problem you think that could be a possible problem to the Cameroonian using this technology.
- A. Bandwidth  
 B. Power failure  
 C. Cost of buying computers and scribing  
 D. Traffic on the internet
- 27) The software needed to display a page on the world wide web is called
- A. An editor  
 B. A web browser  
 C. A web editor  
 D. An e-mail reader
- 28) Web pages are text files written in a language called
- A. Web languages  
 B. Dynamic languages  
 C. Hypertext Markup language (HTML)  
 D. Web logs languages
- 29) Which one of the following is a valid address for a website?
- A. <http://margiestravel.www..com>  
 B. <http://www.margiestravel.com>  
 C. <http://www.com.margiestravel>  
 D. <http://:www.margiestravel.com>
- 30) The technical term used to describe the address of a web page where information can be retrieved is
- A. Domain name  
 B. URL  
 C. Protocol  
 D. e-mail
- 31) You have two computers: Computer A and Computer B. You connect the two computers using WLAN. Computer B is used to access files and applications on Computer A. Which network architecture is set-up?
- A. Internet  
 B. Peer to Peer  
 C. Client – Server  
 D. Bus
- 32) A powerful computer that provides a service, such as a centralised file storage is called:
- A. Client  
 B. Proxy  
 C. Firewall  
 D. Server
- 33) Mrs Edimo has a mobile phone with WIFI capability. She is able to have free access to a local Area Network. This means:
- A. The LAN is unsecured  
 B. The antivirus is not up to date  
 C. The firewall is porous  
 D. The LAN is secured
- 34) A modem could be attached to which port
- A. LPT port  
 B. PS /2 port  
 C. ethernet port  
 D. line in port
- 35) To solve algorithm problem, we should be able to identify
- A. data, problem, instruction.  
 B. Input, processing operations and output.  
 C. code, solution, output.

D. Input, result and time.

36) Following a program line by line in order to identify and correct possible errors is known as:

- A. Testing
- B. Maintaining
- C. Dry running
- D. Eye executing

37) Machine code is:

- A. A code written in high level programming language
- B. A code written in assembly language
- C. A type of barcode
- D. A code that can be directly executed by the CPU

Questions 35 to 37 are based on the following algorithm

1. Start
2. Get num
3. Val = num \*num
4. Display ' the square of the number num is val'
5. End.

38) What construct is used in this algorithm

- A. Looping
- B. Selection
- C. Sequence
- D. Branch

39) What value of val will be printed when the number num is 3

- A. 12
- B. 9
- C. 6
- D. 10

40) Which of the following data 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

41) What does the code do

- A. Product of numbers
- B. Sum of numbers
- C. Square of a number
- D. Square root of a number

42) A type of system designed to solve complex problems by reasoning skilfully about a particular aspect is called?

- A. Transaction Processing System
- B. Management Information System
- C. Geographic Information System
- D. Expert System

43) In which phase of the SDLC is training done

- A. Preliminary investigation
- B. System analysis
- C. System Implementation
- D. System design

44) The correct order of activities of system development life cycle is?

- a. implementation
- b. feasibility studies
- c. documentation
- d. design
- e. analysis
- f. mainainance

A. a,b,c,d,e,f

**B. b,e,c,a,d,f**

C. e,b, d, c, a, f

D. b,d,a,e,f,c

45) What is the main role of databases?

- A. To store archive data
- B. To store and organise data
- C. To analyse data
- D. To backup data

46) When a primary key is linked to a field in another table, we called this key as?

- A. Foreign key
- B. Linker key
- C. Control key
- D. Relational key

47) In PERT chart, tasks are represented using:

- A. Nodes
- B. Number
- C. Letters
- D. Arrows

48) \_\_\_\_\_ is a task that must be completed on schedule for the project to finish on time:

- A. Critical task
- B. Super task
- C. Floating task
- D. Sub task

49) The time between the end of a task and the beginning of a new task is known as:

- A. Lag time
- B. Slack time
- C. Leap time
- D. Lead time

50) A project management tool that clearly shows task dependencies is:

- A. Gantt chart
- B. Data flow diagram
- C. PERT chart
- D. Flow chart

**GO BACK AND CHECK YOUR WORK**