

REPUBLIQUE DU CAMEROUN  
 République - Travail - Progrès  
 MINISTÈRE DES ENSEIGNEMENTS SECONDAIRES  
 LES INSPECTIONS DE PÉDAGOGIE  
 RÉGION DU SUD-OUEST  
 B.P. 10.013, BUEA

REPUBLIC OF CAMEROON  
 Republic - Work - Progress  
 MINISTRY OF SECONDARY EDUCATION  
 INSPECTORATES OF PEDAGOGY  
 SOUTH WEST REGION  
 P.M.B. 10.013, BUEA

The 'Teachers' Resource Unit (TRU) in collaboration with the Subject Teachers' Association (STA)	Subject code 0595	Paper number 1
<b>SOUTH WEST REGIONAL MOCK EXAMINATION</b>		
CANDIDATE NAME .....	Subject title  <b>COMPUTER SCIENCE</b>	
CANDIDATE NUMBER .....		
CENTRE NUMBER .....		
ORDINARY LEVEL	DATE 24/03/2021 AFTERNOON	

Time Allowed: One hour thirty minutes

**INSTRUCTIONS TO CANDIDATES:**

1. USE A SOFT HB PENCIL THROUGHOUT THIS 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, Paper 1".
4. Insert the information required in the spaces provided above.
5. Without opening the booklet, pull out the answer sheet carefully from inside the front cover of this booklet. 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.
6. Insert the information required in the spaces provided on the answer sheet using your HB pencil:

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

How to answer questions in this examination:

7. Answer ALL the 50 questions in this examination. All questions carry equal marks.
8. Non-programmable calculators are allowed.
9. For each question there are four suggested answers, A, B, C, and D. Decide 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 )

10. Mark only one answer for each question. If you mark more than one answer, you will score zero for that question. If you change your mind about an answer, erase the first mark carefully, and then mark your new answer.
11. Avoid spending much time on any question. If you find a question difficult, move to the next question. You can come back to this question later.
12. Do all rough work in this booklet using, where necessary, the blank spaces in the question booklet.
13. Mobile phones are **NOT ALLOWED** in the examination room.
14. You must not take this booklet and answer sheet out of the examination room. All question booklets and answer sheets will be collected at the end of the examination

1. Integrated circuits formed the main innovation in the \_\_\_\_\_ of computers
  - A. First generation
  - B. Second generation
  - C. Third generation
  - D. Fourth generation

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2. The acronym ISP stands for
  - A. Information service provider
  - B. Internet service provider
  - C. Information system provider
  - D. Internet system provider

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3. During encryption the original text is changed to
  - A. Cipher text
  - B. Plain text
  - C. Clear text
  - D. Text file

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4. The ALU of the CPU gets data directly from the
  - A. Primary memory
  - B. Control unit
  - C. External memory
  - D. Registers

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5. Daisy wheel printer is a type of a(n)
  - A. Non-impact printer
  - B. Impact printer
  - C. Laser printer
  - D. Matrix printer

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6. The symbol below represents the \_\_\_\_\_ logic gate:
 



  - A. OR
  - B. NOR
  - C. NOT
  - D. X-OR

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7. The coding scheme which represents characters using 8 bits is the
  - A. BCD
  - B. ASCII
  - C. BC
  - D. EBCDIC

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8. The underlined portions of the email address cbotjohnny@minesec.cm are respectively referred to as:
  - A. Employee ID and Work ID
  - B. User ID and Work ID
  - C. User ID and Domain Name
  - D. Employee ID and Domain Name

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9. Intranet could be defined as network that is
  - A. designed to serve several organizations
  - B. designed for an organisation and cannot be accessed by others
  - C. designed for an organisation but others can have access to
  - D. used to serve managers and personnel of an organisation

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10. An example of the file extension for a sound file is
  - A. jpeg
  - B. .wav
  - C. .txt
  - D. .html

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11. To prevent spam from entering your blog, use a
  - A. Password
  - B. Username
  - C. Word verification phrase
  - D. PIN

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12. The term "data type" refers to sets of
  - A. Values a variable can assume
  - B. Characters
  - C. Integers of real numbers
  - D. Values in a field

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13. Efficiency of software refers to the ability to
  - A. appropriately use memory and time
  - B. give expected results
  - C. recover from minor input errors
  - D. function correctly in different platforms

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14. A person who manages the development of software is known as a
  - A. Programmer
  - B. Software designer
  - C. Software analyst
  - D. System analyst

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15. A program that reads and executes source codes one line at a time and does not produce executable files that can run independently is called a
  - A. Compiler
  - B. Interpreter
  - C. Assembler
  - D. Decoder

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16. A good algorithm should be unambiguous, meaning it should
  - A. Be able to tell when an error is made
  - B. Be consistent in what it does
  - C. Have the same interpretation by everyone
  - D. Have a starting and an ending instruction

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17. The feasibility stage of a SDLC involves
  - A. Purchasing new hardware
  - B. Training users on using the system
  - C. Testing software that will be used
  - D. Estimating the cost of software and hardware

18. A Gantt chart typically represents the project's
- A. Estimated budget
  - B. Risk factors
  - C. Critical path
  - D. Milestones
19. Data capture is the process of
- A. Collecting data
  - B. Converting data to electronic form
  - C. Gathering data
  - D. Acquiring data
20. A LAN is connected to the Internet by a
- A. Modem
  - B. Repeater
  - C. Router
  - D. Switch
21. Operating systems, editors and debuggers are examples of
- A. System software
  - B. Application software
  - C. Utilities software
  - D. Programming software
22. The number of bits in a byte is
- A. 2
  - B. 4
  - C. 6
  - D. 8
23. \_\_\_\_\_ is a characteristic of RAM.
- A. Virtual memory
  - B. Volatile memory
  - C. Non volatile memory
  - D. Cache memory
24. Which of the following IS NOT a service on the Internet?
- A. Email
  - B. Online business
  - C. www
  - D. protocol
25. A graphical representation of an object in order to assess a real life situation is called
- A. Modeling
  - B. Simulation
  - C. Algorithm
  - D. Prototyping
26. Carpal Tunnel Syndrome is likely to be caused by
- A. Prolonged use of the computer keyboard
  - B. Continuous staring of the computer monitor
  - C. Poor lighting of the computer room
  - D. Poor adjustment of the computer user's chair
27. The Logic Unit of the CPU
- A. Produces results
  - B. Compares values
  - C. Controls the flow of information
  - D. Does arithmetic works
28. Programs permanently stored in ROM are examples of
- A. Hardware
  - B. Software
  - C. Firmware
  - D. ROM ware
29. Which of the following can function without a driver?
- A. Digital camera
  - B. USB flash
  - C. Printer
  - D. Motherboard
30. The binary equivalence of the octal number 15 is
- A. 1111
  - B. 1101
  - C. 0101
  - D. 0111
31. The octal equivalent of the binary number 100110011 is
- A. 462
  - B. 463
  - C. 460
  - D. 461
32. Which one of the following can be used to control the availability of sites on the Internet?
- A. Plug-ins
  - B. Filters
  - C. FTP
  - D. Spam
33. The acronym EBCDIC stands for
- A. Extended binary coded decimal interchange code
  - B. Extended bit code decimal interchange code
  - C. Extended binary case decimal interchange code
  - D. Extended binary bit case decimal interchange code
34. One way to prevent an intruder into a computer system in a network is by use of
- A. Hacker-proof programs
  - B. Firewalls
  - C. Hacker-resistant servers
  - D. Access privileges
35. An example of a software suit is
- A. Windows XP
  - B. Ms publisher
  - C. Windows
  - D. Ms office

36. The most appropriate software used to keep all necessary information about students is the
- Word processor software
  - Spreadsheet software
  - Presentation software
  - Database management software
37. In a word processor, automatically indenting and adding hyperlinks is possible using
- Auto format
  - Auto correct
  - Smart tag
  - Typing wizard
38. The computing crime that someone collects personal information and poses as another person is
- Spooling
  - Spoofing
  - Hacking
  - Identity theft
39. Any attempt by individuals to obtain confidential information by falsifying their identity through emails is called
- Phishing trips
  - Spamming
  - Spyware seams
  - Phishing seams
40. The communication model that supports two-way traffic but can only operate in one direction at a time is said to be
- Synchronous
  - Asynchronous
  - Half-duplex
  - Duplex

Questions 41 and 42 are based on the following algorithm:

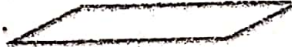
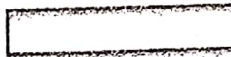

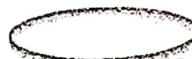
- Set sum to 0
- Set N to 3
- Set x to 1
- While  $x \leq N$
- Set sum to  $sum + x$
- Set x to  $x + 1$
- End while
- Print sum

41. What programming construct is used in line 4?
- Branch
  - Sequence
  - Loop
  - Recursion
42. What is the output of the algorithm?
- 0
  - 6
  - 0, 1, 2, 3
  - 1, 3, 6

43. The three constraints of a project are

- Scope, task and work
- Scope, money and task
- Scope, time and cost
- Scope, time and task

44. The statement "Enter the value of N" should be placed in which of the following symbols?

- 
- 
- 
- 

45. Completely discarding an old system before installing a new system is referred to as

- Piecemeal implementation
- Plunge implementation
- Waterfall implementation
- Model implementation

46. What is the appropriate name given to a task that can only begin when another task has finished?

- Dependent task
- Predecessor task
- Successor task
- Milestone

47. Multiplexing channels data from

- Single path to multiple channels
- Single path to single channel
- Multiple paths to multiple channels
- Multiple paths to single channels

48. One societal problem that arises because of the computer network is

- Client-server computing
- Resource sharing
- Communications speed
- Privacy issues

49. The network topology that has a central switch or hub is called

- Bus topology
- Ring topology
- Star topology
- Mesh topology

50. A malicious code that uses security loopholes in a system to replicate itself is known as

- Worm
- Threat
- Trojan horse
- Virus