**REPUBLIQUE DU CAMEROUN**
*Paix-Travail-Patrie*

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MINISTRY OF SECONDARY EDUCATION

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TEACHERS' RESOURCE UNIT
TRU-RIP-STA
MOCK EXAMS
NORTH WEST REGION

# ITVE

**MARCH 2022**

| The Teachers' Resource Unit and the Regional Inspectorate of Pedagogy, in collaboration with COSTA | SUBJECT CODE NUMBER 0595 | PAPER NUMBER 1 |
|---|---|---|
| **GENERAL CERTIFICATE OF EDUCATION AND INTERMEDIATE TECHNICAL AND VOCATIONAL EDUCATION REGIONAL MOCK EXAMINATION** | | |
| CANDIDATE NAME: . ... <br> CANDIDATE NUMBER: ............................ <br> CENTRE NUMBER: ................................. <br> **ORDINARY LEVEL** | **SUBJECT TITLE COMPUTER SCIENCE** | |

## Time Allowed: One and a half hours
## INSTRUCTIONS TO CANDIDATES:

Mobile phones are **NOT ALLOWED** in the examination room.

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 code and subject title—COMPUTER SCIENCE -Paper 1".
4. Insert the information required in the spaces 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]    [C̲]    [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 . You can come back to the question later.
12. Do all rough work in this booklet using, where necessary, the blank spaces in the question booklet.
13. **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.**

**TURN OVER**

1. A _____ is a structured English-like representation of an algorithm
   A. Mnemonics
   B. Pseudocode
   C. Flowchart
   D. Boolean

2. Which of the following mathematical statements is TRUE?
   A. 1KB=8Bytes
   B. 1MB=1000Bytes
   C. 1KB=1024Bytes
   D. 1MB=1024Bytes

3. The acronym WiFi means?
   A. Wireless connection
   B. Wireless Fibre
   C. Wireless Fidelity
   D. Wireless network

4. The _____ is a private network that connects people within an organization without further access to authorized outsiders.
   A. internet
   B. ethernet
   C. extranet
   D. intranet

5. Communication channel that is bidirectional and communicate one at a time.
   A. Simplex channel
   B. Half-duplex channel
   C. Serial Transmission
   D. Full Duplex

6. Which of the following does NOT represent a coding scheme?
   A. UNICODE
   B. BCD
   C. ASKI
   D. ASCII

7. Which of the following is an example of a volatile memory?
   A. ROM
   B. PROM
   C. EPROM
   D. RAM

8. A field which uniquely identifies a record in a database table is referred to as_____
   A. Secondary key
   B. Foreign key
   C. Primary key
   D. Non key fields

9. The amount of data a communication channel can transmit during a fixed period of time is called
   A. Broadband
   B. Frequency modulation
   C. Bandwidth
   D. Data Density

10. The process of restarting a computer which is already in operation is called
    A. Cold booting
    B. Warm booting
    C. Permanent booting
    D. Temporary booting

11. The following are characteristics of a good password except one
    A. It should be made of a mixture of numbers and letters
    B. It should be made of simple guessable English words
    C. It should be kept secret by the owner
    D. It should not be shared among friends

12. The process of building a software through successive phases in an orderly manner is known as____
    A. Software evolution
    B. Software development
    C. Software application
    D. Software planning

13. A typical example of a Boolean operator is:
    A. AND
    B. +
    C. *
    D. /

14. Which component of the central processing unit is responsible for executing all arithmetic and logical operations?
    A. ALU
    B. Control unit
    C. Register
    D. Memory

15. Which logic gate outputs the result in the table below?

| Input | Input | Output |
|-------|-------|--------|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

   A. AND
   B. OR
   C. XOR
   D. NOR

16. The act of protecting data by converting it to an understandable format by means of an algorithm so that only the intended recipient could understand it is known as:
    A. Compression
    B. Decryption
    C. Encryption
    D. Encapsulation

17. Copying and selling others software, without their authorization is.....
    A. Software shareware
    B. Software freeware
    C. Software privacy
    D. Software piracy

18. The abbreviation PIN stands for:
   A. Personal Identity Numbering
   B. Personal Identity Number
   C. Personal Identification Number
   D. Personal ID card Number

19. A programming language that understands instructions only in the form of 0's and 1's is called _____
   A. High level language
   B. Assembly language
   C. Machine language
   D. Declarative Language

20. One of the shortcomings of social networking nowadays is _____
   A. It enhances wide information sharing in our society
   B. It promotes socialization among youths in our society
   C. It enhances globalization
   D. It enhances the spread of false information in our society

21. Attenuation that occurs during data transmission can be corrected by using a network device called?
   A. MODEM
   B. Repeater
   C. Computer hub
   D. Computer switch

22. Double-keying and proof-reading are two methods of:
   A. Data compression
   B. Data accessing
   C. Data validation
   D. Data verification

23. In an information system, which of the following checks have to be made to ensure that a student's date of birth does not come after her graduation date?
   A. Alphabetic check
   B. Data check
   C. Consistency check
   D. Numeric check

24. In spreadsheet applications, the name given to a pre-programmed formula.
   A. function
   B. operator
   C. graph
   D. range

25. Which of the following is in the descending order of data hierarchy?
   A. Bit, byte, record, fields, file, and database
   B. Database, files, record, fields, bytes and bits
   C. Bytes, bit, fields, record, files, and database

D. Database, bytes, files, record, fields, and bits

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

27. A webcam is an example of _____
   A. Output device
   B. Processing device
   C. Input device
   D. Storage device

28. The manner in which data is organized or structured in a computer file is known as
   A. File security
   B. File extension
   C. File format
   D. File access

29. The three project constraints are _____
   A. Time, Cost and Scope
   B. Cost, Speed and Accuracy
   C. Time, Scope and mile stones
   D. Time, Cost and Accuracy

30. Which of the following acronyms depicts the use of highly developed computer systems to assist industrial activities?
   A. SMS
   B. E-MAIL
   C. CAD
   D. CRT

31. The smallest unit for data measurement.
   A. Bit
   B. Byte
   C. Kilobyte
   D. 1's and 0's

32. The ability of software to run on different platforms is known as _____
   A. Flexibility
   B. Portability
   C. Maintainability
   D. Security

33. Which one of the following devices functions only as an Input Device?
   A. Hard disk drive
   B. Floppy disk drive
   C. Monitor
   D. Keyboard

34. A program is a sequence of _____ written in a programming language.
   A. Functions
   B. Code word
   C. Instructions
   D. Lines

35. A collection of rules for writing programs in a programming language is known as _____
    A. Syntax
    B. Program logic
    C. Program Standards
    D. Semitics

36. In a flowchart, a decision is represented by;
    A. 
    B. 
    C. 
    D. 

37. Which type of data communication model exists in radio communication?
    A. Full duplex
    B. Simplex
    C. Half-simplex
    D. Half-duplex

38. The speed of a computer processor is measured in _____
    A. Bits
    B. Bytes
    C. Hertz
    D. Milliseconds

39. What is the name of the largest electronic circuit in a microcomputer?
    A. Video board
    B. Graphic board
    C. Motherboard
    D. Central Processing Unit

40. Which of the following is NOT a type of an Operating system?
    A. LINUX
    B. Office
    C. Windows
    D. UNIX

41. The network topology in which each computer must be linked to all the other computers.
    A. Ring
    B. Full mesh
    C. Partial mesh
    D. Star

42. ATM in computing, stands for
    A. Automatic Talking Machine
    B. Automatic Teller Machine
    C. All Time Money
    D. Automatic Ticketing Machine

43. The Second Generation Computer was based on_____
    A. Vacuum Tube
    B. Silicon Chips
    C. Transistor
    D. Integrated circuits

44. Dot Matrix Printers are examples of_____
    A. Laser
    B. Inkjet
    C. Impact
    D. Drum

45. A compiler is a computer program that converts
    A. source code line by line.
    B. source code to object code all at once
    C. general purpose languages.
    D. Running programs

46. The full acronym of ISP
    A. Internet Serial Provider
    B. Intranet Service Provider
    C. Internet Service Provider
    D. Internet Service Provision

47. What is computer ethics?
    A. An honest, moral code that should be followed when on the computer
    B. A computer program about honesty
    C. A computer that fits on or under a desk
    D. A list of commandments in the Bible that should be followed.

48. The Octal equivalent of $10000101_2$.
    A. 135
    B. 205
    C. 215
    D. 415

49. A hard disk is divided into tracks which are further subdivided into
    A. Clusters
    B. Sectors
    C. Heads
    D. Circles

50. A sequence of well-defined instructions to complete a task starting from a given initial state to end state is called;
    A. Protocol
    B. Algorithm
    C. Flowchart
    D. Project

**END**
**GO BACK AND CHECK YOUR WORK**