REPUBLIQUE DU CAMEROUN
Paix-Travail-Patrie

MINISTERE DES ENSEIGNEMENTS SECONDAIRES

CELLULE D'APPUI A L'ACTION PEDAGOGIQUE
ANTENNE REGIONALE DU NORD OUEST

BP 2183 MANKON BAMENDA
TEL 233 362 209
Email : trubamenda@yahoo.co.uk

REPUBLIC OF CAMEROON
Peace-Work-Fatherland

MINISTRY OF SECONDARY EDUCATION

TEACHERS' RESOURCE UNIT
REGIONAL BRANCH FOR THE NORTH WEST

P.O. BOX: 2183 MANKON BAMENDA
TEL 233 362 209
Email : trubamenda@yahoo.co.uk

A
ATVE

MARCH 2023

The Teachers' Resource Unit and the Regional Inspectorate of Pedagogy, in collaboration with Computer Science Teachers' Association(COSTA)	SUBJECT CODE NUMBER 0796	PAPER NUMBER 1
GENERAL CERTIFICATE OF EDUCATION AND ADVANCED TECHNICAL AND VOCATIONAL EDUCATION REGIONAL MOCK EXAMINATION	SUBJECT TITLE INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)	
CANDIDATE NAME: .... CANDIDATE NUMBER: .... CENTRE NUMBER:		
ADVANCED LEVEL		

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 "Advanced level –0796 code and subject title— ICT 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:

<div align="center">[A]   [B]   [C]   [D]</div>

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. **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 meeting in which members are geographically dispersed and attend remotely
   A. e-mail
   B. chat room
   C. e-messaging
   D. video conferencing

2. The word "attributes" in database are properties of?
   A. A database
   B. A field
   C. A record
   D. An entity

3. For the website www.minesec-distancelearning.cm the top level domain is
   A. www.
   B. .minesec-distancelearning
   C. .cm
   D. www.minesec

4. The field in database that uniquely identifies a record in a table
   A. secondary key
   B. foreign key
   C. primary key
   D. unique key

5. A(n)_____ is installed when a new hardware is connected to the computer.
   A. defragmenter
   B. device driver
   C. operating system
   D. translator

6. A technique that can capture data by converting text information on paper into editable text in the computer.
   A. OCR
   B. MICR
   C. Scanning
   D. OMR

7. Components in the CPU communicate through the:
   A. NIC
   B. RAM
   C. Register
   D. Bus

8. volatile medium?
   A. DVD
   B. Main memory
   C. ROM
   D. Flash memory

9. Which of the following software enables the computer to understand human programming language?
   A. Processor
   B. Compiler
   C. Editor
   D. Database

10. The equivalence of the binary number 111110 in hexadecimal is:
    A. 3E
    B. F2
    C. 76
    D. D3

11. A graphical representation of an algorithm is called
    A. pseudocode
    B. flow chart
    C. control flow chart
    D. gantt chart

12. Which of the following is correct in Boolean logic?
    A. 0 AND 1 = 1
    B. 1 AND 0 = 1
    C. 0 OR 1 = 1
    D. 1 OR 0 = 0

13. Which of the following database objects is used to enter data into a relation?
    A. Queries
    B. Reports
    C. Tables
    D. Relationships

14. An example of a Geographical Information system is
    A. shop database
    B. google maps
    C. patients database
    D. hotel reservation system

15. Which of the following determines whether a project should be carried out?
    A. System design
    B. Feasibility studies
    C. System analysis
    D. System evaluation

16. _____ is the technological basis on which the third generation computers were built:
    A. Transistors
    B. Vacuum tubes
    C. Microprocessors
    D. Integrated circuits

17. Study the algorithm below
    Start, Give two integers, N and M
    If N is greater than M
    Then Set M to M-2
    Else Set M to N+ 3 EndIF
    Print M.
    Stop.
    Given that the input in the first statement are N=5, M=7, what is the value of the output?
    A. 15
    B. 8
    C. 13
    D. 5

18. software designed to meet the needs of a particular organization is called
    A. generic
    B. surfing
    C. integrated
    D. bespoke

19. A linear list whose elements are inserted and deleted in a Last-In-First-Out order is a
    A. stack
    B. queue
    C. hash table
    D. binary tree

20. To avoid unnecessary duplication of the same data in a database
    A. we have to normalize
    B. we have to query the report
    C. avoid using tables with keys
    D. proof read data before entry

21. The control structure that executes a set of instructions a number of times based on a condition is called?
    A. Logic
    B. Choice
    C. Loop
    D. Sequence

22. The software that attributes file formats is
    A. application software
    B. kernel
    C. operating system
    D. format software

23. Any instruction to be processed by the CPU must be broken down to correspond with the.
    A. ALU
    B. Instruction set
    C. Program
    D. G2

24. The method used by organization to completely do away with the old system to use a new system is known as implementation?
    A. Direct
    B. Complete
    C. Parallel
    D. Piecemeal

25. Communication circuits that transmit data in both directions but not at the same time are said to be
    A. simplex mode
    B. half-duplex mode
    C. asynchronous mode
    D. full duplex

26. Which of the following CAN NOT tell the duration of a project?
    A. Gantt chart
    B. SDLC
    C. Critical path analysis
    D. PERT

27. In the memory hierarchy the fastest memory is?
    A. RAM.
    B. Cache.
    C. CPU register.
    D. Virtual Memory.

28. What is the term used to describe sequence of instructions?
    A. Hardware
    B. Program
    C. Data
    D. Instructions

29. Each gate can be represented in tabular form by
    A. symbols
    B. truth table
    C. logics
    D. functions

30. Which of the following is not a way of representing an algorithm?
    A. Structured English
    B. Pseudo Code
    C. Flow chart
    D. Machine Language

31. The reliability of a software refers to
    A. its ability to use memory and time
    B. its ability to recover from minor input errors
    C. its ability to give expected results
    D. its ability to function correctly on different platforms

32. An Expert System install in the hospital surgical room can
    A. bill patience
    B. monitor and prescribe drugs for patience
    C. pay hospital employee
    D. keep the surgical room clean

33. How many kilobytes (kb) are there in one Megabyte (Mb)?
    A. 1000
    B. 1024
    C. 1MB
    D. 1GB

34. Computer networks are used by the government of Cameroon today in many ministries, which of the following is not an E-government service
    A. consultation of civil servants information on the website of MINFOPRA
    B. attribution of civil servants matricule numbers
    C. publication of competitive exams results online
    D. online census of civil servants

35. A NAND gate has input A and B. its outputs is Connected to both inputs of another NAND gate. An equivalent gate for these two NAND gates is a (n).
    A. OR gate.
    B. AND gate.
    C. NOR gate.
    D. XOR gate

36. The simplified form of the expression AB+ABC:
    A. AB.
    B. A (B+C).
    C. AB+AC.
    D. ABC.

37. On receiving an interrupt, the CPU
    A. finishes executing the current instruction and moves to the interrupt.
    B. immediately moves to the interrupt service routine without completing current instruction.
    C. releases.
    D. makes any peripheral device that requested the interrupt to wait for a fixed interval of time.

38. In computing a user-interface
    A. helps users to communicate with the computer
    B. converts a program into a machine usable form
    C. transmit data to remote locations as packets
    D. is only a graphical interface?

39. The resolution of a print out from a printer is measure in ....
    A. pages per minutes
    B. dots per minutes
    C. dots per inch
    D. pixels density

40. One popular file format supported by most video player is ......
    A. .MP3
    B. .MPEG
    C. .JPEG
    D. .TIF

41. One way to avoid RSI is to
    A. use LCD monitors
    B. avoiding eye contacts with monitors
    C. use lenses
    D. use adjustable seats

42. The octal equivalent of the of the hexadecimal code F3A1 is
    A. 171641.
    B. 176541.
    C. 176451.
    D. 178661.

43. Two component of the Von Neumann architecture
    A. Memory and Processor
    B. Hard disk and Ram
    C. Processor and RAM
    D. ALU and processor

44. Which of the following is a data validation technique
    A. proof reading
    B. range check
    C. double entering
    D. verification

45. During polling the CPU knows that a device needs attention when
    A. it is interrupted
    B. it has a bit in its device register
    C. its address is accessible for FETCH
    D. it is connected

46. After the design of a system the end users must evaluate to ensure it meets users' needs. This type of test is called
    A. unit testing
    B. acceptance testing
    C. module testing
    D. program testing

47. A network topology in which a node is directly connected to all other nodes by a separate cable is known as
    A. ring
    B. star
    C. mesh
    D. hybrid

48. Eyestrain can be reduced by
    A. reducing room light intensity
    B. using LCD monitors
    C. using CRT monitors
    D. avoiding breaking eye contact with monitor

49. Bits of data from many wires are to be transmitted over a single wire. the device needed to do this is
    A. modem
    B. bus
    C. multiplexer
    D. switch

50 An organization like Express exchange uses firewall to prevent unauthorized access to it's information on a network this type of network is called

    A. internet
    B. extranet
    C. ethernet
    D. intranet

END

GO BACK AND CHECK YOUR WORK