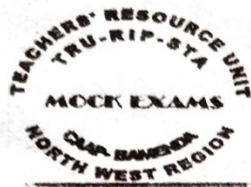


REPUBLIQUE DU CAMEROUN
Paix-Travail-Patrie

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MINISTRY OF SECONDARY EDUCATION

TEACHERS' RESOURCE UNIT
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MARCH 2023

A ATVE

The Teachers' Resource Unit and the Regional Inspectorate of Pedagogy, in collaboration with COSTA	SUBJECT CODE NUMBER 0796	PAPER NUMBER 1
GENERAL CERTIFICATE OF EDUCATION AND ADVANCED TECHNICAL AND VOCATIONAL EDUCATION REGIONAL MOCK EXAMINATION	SUBJECT TITLE 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:
[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. 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. Which of the following is NOT a GUI component?
 - A. Menu
 - B. Icon
 - C. Command
 - D. Text Box

2. An optical CD-ROM can hold approximately
 - A. 1.44 megabytes
 - B. 250 Gigabytes
 - C. 700 Megabytes
 - D. 1.44 gigabytes

3. For the website *www.minesec-distancelearning.cm* which of the following is the top level domain?
 - A. www.
 - B. .minesec-distance learning
 - C. .cm
 - D. www.minesec

4. What is the decimal equivalent for the Octal number, '1'?
 - A. 1
 - B. 8
 - C. 01
 - D. 110

5. Which of the following enables a computer to run High Level Language?
 - A. Processor
 - B. Compiler
 - C. Editor
 - D. Interpreter

6. The expression $A + \overline{B}$ in De Morgan's Theorem is equivalent to:
 - A. $\overline{A} + \overline{B}$
 - B. $\overline{A} \cdot \overline{B}$
 - C. $\overline{A} \cdot B$
 - D. $A + \overline{B}$

7. Given that a logical high is represented by '1' and a logical Low is represented by '0'. An XNOR Gate outputs a logical high when...
 - A. All inputs are high
 - B. All inputs are low
 - C. All inputs are same
 - D. All inputs are different

8. A network device that amplifies and regenerates signals over long distances is called a?
 - A. Repeater
 - B. Gateway
 - C. Bridge
 - D. Switch

9. Which of the following is NOT a characteristic of an algorithm
 - A. Finite
 - B. Reasonable
 - C. Ambiguous
 - D. Readable

10. In a full Mesh topology. How many cables are needed to connect four computers
 - A. 8
 - B. 6
 - C. 4
 - D. 5

11. ----- Control structure in Programming allows the execution of one block of instructions multiple times until a specific condition is met.
 - A. Sequential
 - B. Decision
 - C. Loop
 - D. Iteration

12. Which of the following is a pointing device
 - A. Scanner
 - B. Pen touch
 - C. Laptop
 - D. Mouse

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

14. Which of the following is volatile?
 - A. ROM
 - B. RAM
 - C. PROM
 - D. USB

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 base 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 inputs 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. How many possible values are there in a Boolean data type?

- A. 2
- B. 1
- C. 0
- D. 3

19. Which of the following is NOT a layer of TCP/IP protocol?

- A. Application Layer
- B. Session Layer
- C. Transport Layer
- D. Internet layer

20. To avoid unnecessary duplication of 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. Information systems that monitor the elementary activities and transactions

- A. Management Information system
- B. Operational Information system
- C. Transaction Processing Systems
- D. Decision support Systems

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 an 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 channel that transmits 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

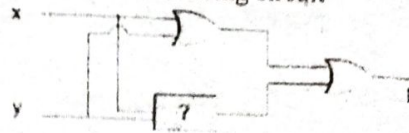
26. A table that the operating system uses to locate files on a disk is called?

- A. NTFD
- B. ROUND ROBIN
- C. FAT
- D. DATA

27. Which of the following file formats represents Graphics format?

- A. JPEG
- B. MPEG
- C. MICR
- D. MIMD

28. Consider the following circuit



In order to make the output $F=x+y$, the "?" marked box should be replaced by

- A. An OR gate
- B. An AND gate
- C. A NAND gate
- D. XOR gate

29. The communication links between the CPU, Peripherals and memory is called...

- A. BUS
- B. Handshaking
- C. Media
- D. Interface

30. Which of the following is a health related disease affecting fingers resulting from poor ergonomics.

- A. CTS
- B. RSI
- C. Eyes strain
- D. Fingers pain

31. Another name for the main circuit board of a personal computer.

- A. RAM board
- B. Peripheral board
- C. Motherboard
- D. Central Processing Chip

32. An Expert System installed 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
- B. 1024 B
- C. 700MB
- 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

TURN OVER 3

35. Which of the following has an embedded system/
 A. Inventory Control System?
 B. MIS
 C. Payroll System
 D. Monitoring System
36. The simplified form of the expression $AB+ABC$ is.....
 A. AB.
 B. $A(B+C)$.
 C. $AB+AC$.
 D. ABC.
37. To maintain the integrity of transmitted data between two computers in a network, what is added to the transmitted data?
 A. Character code
 B. Parity bit
 C. Batch number
 D. network address
38. On receiving an interrupt, the CPU:
 A. Complete executing the current instruction and moves to the interrupt.
 B. Immediately moves to the interrupt service routine without completing current instruction.
 C. Releases the processor for other activities.
 D. Makes any peripheral device that requested the interrupt to wait for a fixed interval of time.
39. 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?
40. The resolution of a print out from a printer is measured in
 A. Pages per minutes
 B. Dots per minutes
 C. Dots per inch
 D. Pixels density
41. One main role of a Geographic Information System is
 A. To determine the weather forecast
 B. To determine the climate of an area
 C. For map reading
 D. To study the physical features of an area
42. One way to avoid RSI is to
 A. Use LCD monitors
 B. Avoiding eye contacts with monitors
 C. Use lenses
 D. Take frequent breaks at intervals
43. The binary equivalent of the hexadecimal code F3A1 is
 A. 1111001110100001.
 B. 0111000100101111.
 C. 1111001100101111.
 D. 1111000100101001.

44. You work as an IT expert in one of the companies around your town, which of the following software would you use to create a website?
 A. Presentation software
 B. Operating systems software
 C. System software
 D. Web authoring software.
45. What is the main characteristic of Multimedia applications?
 A. Sustainability
 B. Interactivity
 C. Ease of manipulation
 D. User friendly
46. Some computer viruses are very resistant, if a computer system is experiencing a viral attack, what is the first step in cleaning the virus?
 A. Install and run an Anti-Virus
 B. Backup files, Format the entire system and install anti-virus.
 C. Backup files and Format drive C
 D. Scan the system with a good Anti-Virus.
47. Which of the following fields in emailing will enable one to send a copy of a mail to many recipients without each recipient knowing the others?
 A. To
 B. BCC
 C. CC
 D. a and b
48. A Debugging technique can be implored in a situation where a file is
 A. Corrupt
 B. Overloaded
 C. Missing
 D. Blocked from opening
49. 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
50. The technology used to read pencil or pen marks on a multiple choice answer sheet is
 A. OCR
 B. OMR
 C. POS
 D. MICR

END

GO BACK AND CHECK YOUR WORK