

REPUBLIC OF CAMEROON
Peace- Work-Fatherland

 MINISTRY OF SECONDARY EDUCATION

 SOUTH REGIONAL DELEGATION

 TEACHERS' RESOURCE UNIT
 P.O. BOX 77 TEL: 222-284-190



REPUBLIQUE DU CAMEROUN
Paix-Travail-Patrie

 MINISTÈRE DES ENSEIGNEMENTS SECONDAIRES

 DÉLÉGATION RÉGIONALE DU SUD

 CELLULE D'APPUI A L'ACTION PEDAGOGIQUE
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MARCH 2024

ADVANCED LEVEL

The Teachers' Resource Unit in collaboration with the Regional Inspectorate of Pedagogy	SUBJECT CODE NUMBER 0796	PAPER NUMBER 1
GENERAL CERTIFICATE OF EDUCATION REGIONAL MOCK EXAMINATIONS	SUBJECT TITLE INFORMATION AND COMMUNICATION TECHNOLOGIES	
CANDIDATE NAME: CANDIDATE NUMBER: CENTRE NUMBER:	DATE Friday 22nd March 2024 (AFTERNOON)	

Time Allowed: **ONE AND A HALF HOURS**

INSTRUCTIONS TO CANDIDATES

Mobile phones are NOT ALLOWED in the examination room.

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 Co to

Read the following instruction carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.

- USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
- DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Before the examination begins:

- Check that this question booklet is headed “**Advanced Level – 0796 ICT 1**”
- Fill in the information required in the spaces above.
- Fill in the information required in the spaces provided on the answer sheet using your HB pencil: **Candidate Name, Exam Session, Subject Code, Centre Number and Candidate Identification Number.** 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.

How to answer the questions in this examination

- Answer **ALL** the **50** questions in this examination. All questions carry equal marks.
- Each question has FOUR suggested answers: **A, B, C** and **D**. Decide on 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 **B** is the correct answer, mark **B** as shown below:
 [A] ~~[B]~~ [C] [D]
- 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 an answer, erase the first mark carefully, and then mark your new answer.
- 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 this question later.
- Calculators are allowed.**
- Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
- At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH ANY.**

1. **The correct order of the stages of a system development life cycle is;**
[A] Analysis, Feasibility study, implementation, Design
[B] Feasibility study, Analysis, Design, implementation
[C] Analysis, Design, Feasibility study, implementation
[D] Feasibility study, Analysis, implementation, Design
-
2. **The principle of the Data Protection Act (1998) is;**
[A] Data should be processed immediately
[B] Data should be valuable
[C] Data should not be stolen
[D] Data should be kept up to date
-
3. **A program at the time of execution is known as _____**
[A] Thread
[B] Algorithm
[C] Instruction set
[D] Process
-
4. **The following are possible health hazards of prolonged use of computer system except**
[A] Back to neck pains
[B] Eye strain
[C] Tuberculosis
[D] Wrist pains
-
5. **_____ is the protocol suite for the Internet.**
[A] TCP/IP
[B] OSI
[C] ISP
[D] HTML
-
6. **The following are constraints of a project Except**
[A] Scope
[B] Resources
[C] Team
[D] Budget
-
7. **The paradigm in which the programmer designs programs by outlining steps to be followed to solve problem is called:**
[A] Top-down programming
[B] Declarative programming
[C] Procedural programming
[D] Objected-oriented programming
-
8. **An algorithm that compares two adjacent items and then swaps them, is**
[A] Insertion sort
[B] Selection sort
[C] Merge sort
[D] Bubble sort
-
9. **In project management, the amount of time a task can be delayed without delaying the project is called:**
[A] Lead time
[B] Critical time
[C] Lag time
[D] Slack time
-
10. **The file format JPEG stands for:**
[A] Joint Picture Experts Group
[B] Joint Pictures Experts Graphics
[C] Joint Photographic Experts Group
[D] Joint Photographic Experts Graphics
-
11. **The correct spreadsheet formula for the average of two cells A1 and A2 where A1 is possibly blank is:**
[A] = (A1:A2)/2
[B] average(A1+A2)
[C] AVERAGE((A1+A2)/2)
[D] average(A1,A2)
-
12. **An information system that does NOT directly assist in the management of an organization is:**
[A] Management Information System
[B] Geographic Information System
[C] Health Information System
[D] Decision Support System
-

13. A 32-bit computer can access how many bytes at a time?

- [A] 4
 - [B] 2
 - [C] 8
 - [D] 16
-

14. How many CDs of 700MB capacity can contain 100 newsletters from a digital library assuming that the average number of characters of each newsletter is 1000?

- [A] 10
 - [B] 11
 - [C] 1
 - [D] 70
-

15. Which of the following devices has the largest storage capacity?

- [A] Digital Versatile Disc
 - [B] Compact Disc
 - [C] Floppy disk
 - [D] Hard disk
-

16. A service which can be used by the state of Cameroon to provide online services to its citizens is known as __

- [A] E-mail
 - [B] Web routing
 - [C] Legislation
 - [D] E-government
-

17. It is a situation in which a process can never terminate because it cannot get the resource it needs to continue execution.

- [A] Deadlock
 - [B] Livelock
 - [C] Mutual exclusion
 - [D] Process synchronization
-

18. A baseband communication system transmits signals in _____

- [A] Wave form
 - [B] Electromagnetic form
 - [C] Analogue form
 - [D] Digital form
-

19. A switching technique in which a dedicated communication path is established, maintained and terminated for each communication session is:

- [A] Circuit switching
 - [B] Message switching
 - [C] Packet switching
 - [D] Logic switching
-

20. An example of a mono tasking operating system is:

- [A] Windows
 - [B] Macintosh
 - [C] MS DOS
 - [D] Linux
-

21. Which of the following is not a reason for using ICT in education

- [A] ICT tools increase learner motivation and engagement
 - [B] ICT tools facilitate that acquisition of basic skills in subject area.
 - [C] ICT tools enhance teaching through the use of presentation software
 - [D] ICT tools force students to learn at others' pace.
-

22. Transferring data from a remote computer to a local computer is referred to as

- [A] Uploading
 - [B] Downloading
 - [C] Transferring
 - [D] Downlinking
-

23. Spooling is necessary because

- [A] It is a more secure method of accessing data
- [B] Print jobs go more smoothly with less stop and go
- [C] The computer is released to do other things while still printing
- [D] It enables the operating system to function properly

24. A method that can prevent illegal access to computer systems through networks is:

- [A] Encryption of files
 - [B] Use of firewall
 - [C] Use of antivirus software
 - [D] Archiving
-

25. Below is the correct format of an email address:

- [A] User_name@DomainName.
 - [B] user_name@Website.com/info.
 - [C] user_nametAVesite.info
 - [D] markjohn@yahoo.com
-

26. A functional requirements report indicates the work done in the _____ phase of SDLC.

- [A] Development
 - [B] Analysis
 - [C] Design
 - [D] Investigation
-

27. In writing codes in a programming language, the programmer must follow the rules of the language called:

- [A] Syntax
 - [B] Protocol
 - [C] Semantics
 - [D] Lexeme
-

28. It is the process of trying to predict what will happen in a real life situation from a model of that situation.

- [A] Simulation
 - [B] Monitoring
 - [C] Modeling
 - [D] Prototyping
-

29. Which of the following software can be used to enhance teaching and learning through the use of pictures, video and sound?

- [A] Multimedia software
 - [B] Network software
 - [C] Programming software
 - [D] Utility software
-

30. The intersection of the 8th row and the 7th column in a spreadsheet application will give the cell reference

- [A] 8G
 - [B] G8
 - [C] 7H
 - [D] H7
-

31. Which of the following data structures is referred to as a LIFO (Last In First Out) abstract data type?

- [A] List
 - [B] Queue
 - [C] Stack
 - [D] Tree
-

32. Which of the following cables is the fastest channel of communication in computer networks?

- [A] Fiber optic
 - [B] Coaxial cable
 - [C] Unshielded twisted pair
 - [D] Shielded twisted pair
-

33. Which of the following is most suitable for analyzing large quantities of data such as in weather forecasting?

- [A] Minicomputer
 - [B] PC
 - [C] Supercomputer
 - [D] Mainframe computer
-

34. Which device sends information only to requesting computers in a network?

- [A] Switch
 - [B] Node
 - [C] Server
 - [D] Hub
-

35. It is a database language concerned with the definition of the whole database structure and schema.

- [A] DDL
 - [B] DML
 - [C] DCL
 - [D] SQL
-

- 36. In low level programming languages,**
[A] Code are written in a form that the computer can easily execute
[B] Programmers easily write codes using them
[C] Programs are cheaper to design
[D] Codes can be used to write programs for difficult tasks.
-

- 37. The number 4683 is not a possible number in base 8 because:**
[A] It does not contain binary digits
[B] It contains only four digits
[C] It is not divisible by 8
[D] It contains the digit 8
-

- 38. The binary equivalent of the hexadecimal number F2E is:**
[A] 001011110000
[B] 111100101110
[C] 111100100111
[D] 010111101111
-

- 39. Which of the following is true about multitasking systems?**
[A] Several CPUs are needed to process a task at a time
[B] Several users can access the same task at a time
[C] A CPU can process several tasks at a time
[D] Several CPUs with each processing a different task
-

- 40. The collection of principles that judge people's actions whether they are right or wrong is called:**
[A] Legislation
[B] Data Protection Act
[C] Ergonomics
[D] Ethics
-

- 41. Communication between the keyboard and the CPU involves _____**
[A] Simplex
[B] Half-duplex
[C] Full-duplex
[D] Self-duplex
-

- 42. Which of the following is NOT an integrated software package?**
[A] OpenOffice
[B] Lotus Smart Suite
[C] Microsoft Access 2007
[D] Microsoft Office 2010
-

- 43. Which of the following registers keeps track of where an instruction is kept in main memory?**
[A] Memory Address Register
[B] Memory Data Register
[C] Instruction Register
[D] Program Counter
-

- 44. Software available free of charge but requires the user to pay a fee for its upgrade is:**
[A] Shareware
[B] Firmware
[C] Freeware
[D] Public domain
-

- 45. A network that gives access to some users outside the organization is known as:**
[A] The internet
[B] Extranet
[C] Intranet
[D] Inter-networking
-

- 46. A field in a database table which appears as a primary key in another database table is called a**
[A] Candidate key
[B] Secondary key
[C] Foreign key
[D] Primary key
-

- 47. Virtual memory is:**
[A] An extremely large main memory
[B] An illusion of an extremely larger main memory
[C] An extremely large secondary memory
[D] A type of memory used in supercomputers
-

48. The measurement of things such as fingerprints and retinal scans used for security access is called:

- [A] Biometrics
 - [B] Bio-measurement
 - [C] Computer security
 - [D] Smart weapon machinery
-

49. Which of the following loops will be executed at least once?

- [A] While loop
 - [B] Do...while loop
 - [C] For loop
 - [D] All of the above
-

50. It refers to rules about acceptable behavior when communicating online.

- [A] Computer ethics
- [B] Code of conduct
- [C] Protocol
- [D] Netiquette

END

STOP
GO BACK AND CHECK YOUR WORK