

**SOUTH WEST REGIONAL MOCK EXAMINATION
GENERAL EDUCATION**

The Teachers' Resource Unit (TRU) in collaboration with the Regional Pedagogic Inspectorates and the Subject Teachers' Association (STA)	Subject Code 0796	Paper Number 1
	Subject Title INFORMATION & COMMUNICATION TECHNOLOGIES (ICT)	
CANDIDATE NAME		
CANDIDATE NUMBER		
CENTRE NUMBER		
ADVANCED LEVEL	DATE Monday, 04/04/2022	

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 "Advanced Level - 0796 Information and Communication Technologies, 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:

$\left[\begin{matrix} A \\ \end{matrix} \right] \left[\begin{matrix} B \\ \end{matrix} \right] \left[\begin{matrix} C \\ \hline \end{matrix} \right] \left[\begin{matrix} D \\ \end{matrix} \right]$

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. The acronym MMS stands for
 - A) Multimedia Messaging Server
 - B) Multimedia Messenger Server
 - C) Multimedia Messaging Service
 - D) Multimedia Messenger Service
2. Running more than one program at the same time in a computer system is referred to as
 - A) Multimedia
 - B) Multitasking
 - C) Multiprocessing
 - D) Multiuser
3. In random data access method
 - A) Time taken to access data is independent on location on disk
 - B) Time taken to access data depends on location on disk
 - C) Data is accessed disorderly.
 - D) Needs to be reorganized before use
4. The output Y of the logic circuit given below is:

 - A) 1
 - B) 0
 - C) X
 - D) \bar{X}
5. How does the size of a logic circuit vary after the simplification of its Boolean expression?
 - A) The circuit size is increased
 - B) The circuit size remains the same
 - C) The circuit size is decreased
 - D) A Boolean expression can not be simplified
6. An XNOR gate produces an output of value TRUE only when the inputs are:
 - A) High
 - B) Different
 - C) Low
 - D) Same
7. It can be defined as a set of interrelated components that collect, process, store, and distribute information to support decision making and control in an organization.
 - A) Information System
 - B) Transaction Processing System
 - C) Management Information System
 - D) All of the above

Questions 8 and 9 are based on the following :

A computer has the following specifications:

Processor: Core i5, 2.4GHz

Ram: 8GB

Hard Disk: 256GB SSD

- After using the computer for some time, it began to freeze when many programs are run simultaneously and only 2GB of storage space was left on the hard disk.
8. Identify the backup size(s) that you use to get a free space of at least 215 GB:
 - A) 41GB
 - B) 2 MB
 - C) 256 GB
 - D) 256 MB
 9. Which of the components improves multitasking if increased?
 - A) Processor speed
 - B) Ram Size
 - C) Hard Disk capacity
 - D) Non
 10. The software development life cycle contains the following stages except:
 - A) Planning
 - B) Testing
 - C) Analyzing
 - D) Simulation
 11. Entity Relationship Diagram in a database represents the _____ model of data
 - A) Conceptual
 - B) Logical
 - C) Physical
 - D) Flat file
 12. For some relations in a database changing the data can have undesirable consequences called:
 - A) Referential integrity constraints
 - B) Modification anomalies
 - C) Normal forms
 - D) Transitive dependencies
 13. Which of the following statements is correct?
 - A) Data redundancy can be handled by inconsistency
 - B) Redundancy in data may lead to its inconsistency
 - C) Inconsistency in data may lead to Redundancy
 - D) Data inconsistency can be handled by Redundancy
 14. ONE tool that can be used to edit source code, compile and run is:
 - A) Compiler
 - B) Editor
 - C) Interpreter
 - D) IDE

15. The use of ICT's tools in public administration, it usually referred to as _____
 A) E-Governance
 B) Online learning
 C) E-commerce
 D) Decentralization
16. _____ is the file format for MS Presentation software.
 A) .txt
 B) .xls
 C) .ppt
 D) .bmp
17. Which of the following is not possible in a word processing software
 A) Add value in a table
 B) Merge cells in a table
 C) Link text in different table
 D) Wrap text in a table
18. Which of the following requires a device driver?
 A) Register
 B) Cache
 C) Main memory
 D) Printer
19. A coding error that generates an incorrect output is called
 A) Logical error
 B) Syntax error
 C) Procedural error
 D) Compiler error
20. Algorithms and flowcharts help us to:
 A) Identify computer components
 B) Direct input to a printer
 C) Know memory capacity
 D) Specify a solution to a problem completely and clearly
21. _____ interface is easier for beginners of computer studies.
 A) Good
 B) Command line
 C) Graphical user
 D) Text
22. It is a function of an operating system:
 A) Process management
 B) Memory management
 C) File management
 D) All of these
23. Which of the following is NOT a process state:
 A) Terminated
 B) Running
 C) Blocked
 D) Established
24. A system that helps the school administration take useful decision about students' progress is an example of a(n) _____ information system
 A) Transaction Processing
 B) Decision Support
 C) Management
 D) Expert
25. Which Microsoft Office product is BEST suited for preparing a presentation that's going to be made in front of an audience?
 A) MS Word
 B) MS PowerPoint
 C) MS Excel
 D) MS Paint
26. To plagiarize also means to:
 A) Copy
 B) Copy with permission
 C) Fake
 D) Copy without permission
27. I protect my computer against malware from the Internet by using:
 A) Antimalware
 B) Viruses
 C) Legislation
 D) None of the above
28. A supermarket wants to automate the process of getting its products details to make receipts. You propose:
 A) OCR
 B) A keyboard
 C) Scanner
 D) Bar code reader
29. PI is a mathematical constant whose value is 3.1415. What data type do you use to define PI?
 A) const
 B) real
 C) int
 D) bool
30. As a network engineer, what type of network do you think is BEST suited for your locality (city)
 A) MAN
 B) WAN
 C) WLAN
 D) LAN
31. _____ Topology requires a point to point connection between all it's nodes
 A) Mesh
 B) Ring
 C) Star
 D) Tree

32. _____ topology is the most fault tolerant
- Mesh
 - Ring
 - Star
 - Tree
33. Which of the following is NOT a network protocol?
- HTTP
 - TCP/IP
 - SMTP
 - PIP
34. What is the meaning of CMS in Web Design?
- Content Management System
 - Content Mixing System
 - Creatives Managerial System
 - Creative Management System
35. What type of language is HTML?
- Scripting Language
 - Markup Language
 - Programming Language
 - Network Protocol
36. What can you use to make a numbered list?
- <dl>
 -
 - <list>
 -
37. _____ device makes use of special human features for identification
- Biometric sensor
 - Scanner
 - OMR
 - OCR
38. Which one of the following is a component of data communication system
- People
 - Hardware
 - Software
 - Protocol
39. How many primary keys can a table have?
- Only 1
 - Only 2
 - Depends on the number of Columns
 - Depends on the Database administrator
40. Which of the following is not a scheduling algorithm?
- FCFS
 - Round Robin
 - Priority Scheduling
 - Capacity scheduling
41. Which one of the following is the fastest communication channel
- Shielded twisted pair
 - Unshielded twisted pair
 - Optic Fiber
 - Coaxial cable
42. _____ is NOT always necessary to access the Internet
- A web browser
 - An ISP
 - A computer
 - A modem
43. _____ looks like a legitimate file but is a virus
- Worm
 - Retrovirus
 - Trojan
 - Ghost Virus
44. What is RISC?
- Remolded Interface System Computer
 - Remote Intranet Secured Connection
 - Runtime Instruction Set Compiler
 - Reduced Instruction Set Computer
45. Which part is NOT a component of the CPU?
- Output unit
 - Control Unit
 - Logic Unit
 - Register
46. Which computer has been designed to be as compact as possible?
- Mini Computer
 - Super Computer
 - Micro Computer
 - Mainframe
47. A program that is employed in the development, repair or enhancement of other programs is known as:
- System software
 - Programming Software
 - Application program
 - Utility program
48. Which of the following is a component of an SQL?
- Data input
 - Data output
 - Data collection language
 - Data definition language
49. Which data manipulation command is used to combine the records from one or more tables?
- SELECT
 - PROJECT
 - JOIN
 - PRODUCT
50. A relational database consists of a collection of:
- Tables
 - Fields
 - Records
 - Keys