GENERAL CERTIFICATE OF EDUCATION (GCE) BOARD

General Certificate of Education Examination

0796 INFORMATION AND COMMUNICATION TECHNOLOGIES 1

JUNE 2021   **ADVANCED LEVEL**

Centre Number	2 2 1 1 3
Centre Name	Bamenda Newlayout External
Candidate Number	2 2 1 1 3 7 0 9 8
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Mobile phones are NOT allowed in the examination room.

MULTIPLE CHOICE QUESTION PAPER

One and a half hours

INSTRUCTIONS TO CANDIDATES

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

1. USE A SOFT HB PENCIL THROUGHOUT THE 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 "0796 Information and Communication Technologies 1"
4. Fill in the information required in the spaces above.
5. Fill in the information required in the spaces provided on the answer sheet using your HB pencil:
   Candidate identification Number and Name, Centre Number and Name.
   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

6. Answer **ALL** the 50 questions in this Examination. All questions carry equal marks.
7. Electronics calculators are not allowed
8. 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 **C** is your correct answer, mark **C** as shown below:

   [A] [B] [C] [D]

9. 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, then mark your new answer.
10. 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.
11. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
12. At the end of the examination, the invigilator shall collect the answer sheet first and then the question booklet after. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.

_____ **Turn Over**

1. Which of the following components of the computer can be used as both input and output device?
   A   Digital keyboard
   B   Digital versatile disk
   C   Visual display unit
   D   Laser printer

2. Which of the following is NOT true about databases?
   A   Information sharing
   B   Security of information
   C   Data integrity
   D   Increase data redundancy

3. Which of the following is NOT a project management technique?
   A   PERT chart
   B   GANTT chart
   C   CPM
   D   SDLC

4. If the implementation of a new system is tried out only in a part of the organisation, it is described as:
   A   Pilot implementation
   B   Phased changeover
   C   Piecemeal changeover
   D   Parallel implementation

5. Optical storage devices employ:
   A   Ultraviolet light
   B   Electromagnetic fields
   C   Optical couplers
   D   Laser beams

6. The speed of the processor of an android phone is measured in terms of :
   A   Nano Hetz
   B   Pico Hetz
   C   Mega Hetz
   D   Kilo Hetz

7. Encryption and decryption provides confidentiality but NOT:
   A   Privacy
   B   Authentication
   C   Integrity
   D   Patent Right

8. The transmission mode between a radio transmitter and a receiver is known as:
   A   Asynchronous
   B   Synchronous
   C   Simplex
   D   Full duplex

9. Which of the following best describes mono tasking operating system?
   A   The operating system is designed for a particular program
   B   Only one user is allowed to use the system
   C   Only one program can run at a time
   D   Only one program can run in that system

10. The result of the arithmetic operation 1001101 +111000 in binary is:
    A   11000101
    B   11100101
    C   10000101
    D   11110101

11. The information system that does NOT generate any organised information is:
    A   DSS
    B   MIS
    C   TPS
    D   EIS

12. A stepwise refinement approach in system development is used in:
    A   Outsourcing
    B   Prototyping
    C   Rapid application development
    D   Waterfall method

13. One major benefit of using barcode is
    A   It provides detailed information on all key aspects of the product
    B   It provides the selling price of the product
    C   It provides the identity of the shop
    D   It provides the name of the product

14. The interactive transmission of data within a time sharing system may be best suited by:
    A   Simplex lines
    B   Half duplex lines
    C   Full duplex lines
    D   Duplex lines

15. A code written by a programmer is called:
    A   Source code
    B   Syntax code
    C   Object code
    D   Instruction code

16. A cash dispenser which can also give a report of the current balance in a customer's account is an example of:
    A   Real time processing
    B   Batch processing
    C   Time sharing processing
    D   Multitasking processing

17. Convert the decimal number 345 to binary.
    A   101110011
    B   101010101
    C   110001101
    D   101011001

18. Which of the following registers carries the address of the next instruction to be executed by CPU?
    A Instruction register
    B Accumulator
    C Memory bus register
    D Program counter

19. The importance of a query in a DBMS is:
    A Extract specific information stored in one or more tables based on a given criterion.
    B Provide user friendly interface to edit information on tables
    C Provide interface to enter information to specific records
    D Link information from several tables into one

20. A suitable information system for sales persons is:
    A MIS
    B EIS
    C GIS
    D TPS

21. A tool used in SDLC to model a new system from a logical point of view is:
    A Data flow diagrams
    B Flow chart
    C PERT chart
    D Simulation

22. Which of the following is a step used in software development by prototyping?
    A Identify basic requirements of software
    B System analyst makes logical appraisal
    C Collection of data about the old system
    D Purchase of hardware needed.

23. A precise report generated by an MIS to call for the attention of an unusual event to alert managers is called:
    A Periodic report
    B Exception report
    C Demand report
    D Summary report

24. The performance of a computer is mostly determined by:
    A The speed of the operating system and memory size
    B The speed and the number of input/output in can handle
    C The processor speed and memory size
    D The size of the BIOS and memory size

25. The general form of the IF statement is:

A	IF <condition> DO <statement>
B	IF <condition> THEN <statement>
C	DO <statement> UNTIL <condition>
D	DO <statement> IF <condition>

26. The system development model that does NOT allow overlapping of phases is called:
    A Waterfall model
    B Spiral model
    C V shape model
    D Iterative model

27. A URL is the full address for an Internet resource. What does it specify?
    A The provider of the resource
    B The location of the resource
    C The access rule of the resource
    D The identity of the user of the resource

28. System evaluation and feedback are key features of what phase of the SDLC?
    A Implementation
    B Maintenance
    C Design
    D Analysis

29. The IF- THEN is an example of a/an
    A Sequential statement
    B Repetition statement
    C Selection statement
    D Iteration statement

30. How many DVDs of size 8GB capacity can be used to backup an 8 terabyte external hard disk?
    A One thousand
    B One million
    C One billion
    D One trillion

31. Which of the following is NOT commonly associated with online learning?
    A Lecture notes
    B White board
    C Calendar
    D E-mail

32. Which of the following programming languages is NOT machine independent?
    A Assembly language
    B C programming Language
    C Pascal programming Language
    D JAVA programming language

33. A type of virus that replicates itself within a system overload the system resources is:
    A Worms
    B Trojans
    C Adware
    D Spyware

34. Which of the following is NOT a mobile operating system?
    A IOS
    B Android
    C Opera Mini
    D Windows

Turn Over

35. From the Gantt chart, one cannot easily identify:
    A   When tasks are to begin and end
    B   Which tasks are occurring simultaneously
    C   Which tasks are dependent on others
    D   The cost of executing each tasks

36. Which of the following can be used to validate a designed algorithm?
    A   Test data
    B   Output
    C   Processes
    D   Constants

37. A software licence that makes the source code available to anyone who wants to modify is:
    A   A freeware
    B   A shareware
    C   An open source
    D   A trial software

38. Which of the following is a risk associated to cloud computing?
    A   Automatic updates
    B   Enhanced mobility
    C   Easy exposure data
    D   Scalability

39. Data is represented in CD-ROMs by
    A   Switches
    B   AND and OR gates
    C   0's and 1's
    D   Pits and lands

40. Which of the following is a limitation of E-commerce?
    A   Products can be sold at cheap prices
    B   It needs a small number of staff
    C   Specialised software are needed
    D   It does not need huge office space

41. 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

42. Which of the following is NOT a basic requirement to set up online communication?
    A   A computer
    B   A modem
    C   A telephone
    D   A web camera

43. Arrange in order from fastest to slowest access time:
    A   Tape-cache-main memory-registers
    B   Registers-cache-main memory-magnetic Tape
    C   Main memory-cache-Tape-registers
    D   Cache- registers-Tape-main memory

44. A device that links several devices to a common channel:
    A   Access point
    B   Switch
    C   Bridge
    D   Router

45. When part of a table depends on a field in the table that is not the table's primary key, it is known as:
    A   Transitive dependency
    B   Partial dependency
    C   Pre-relational dependency
    D   Foreign key

46. Which one of the following filing systems is commonly associated to 64 bits operating system?
    A   eFAT
    B   NTFS
    C   FAT64
    D   FAT32

47. A utility that optimises the hard disk by putting some file content in a contiguous area is:
    A   Disk clean up
    B   Disk defragmenter
    C   Disk restore
    D   Disk compression

48. An application used by programmers to create source code, debug a code and manage the program is known as:
    A   Compiler
    B   Interpreter
    C   Editor
    D   Integrated Development Environment

49. Which of the following is NOT an Internet connection option for mobile devices?
    A   4G
    B   WiFi
    C   Android
    D   Winmax

50. The use of online tutorial lessons to prepare for examinations is known as
    A   E-learning
    B   Computer aided learning
    C   Distance learning
    D   Electronic studies

NOW GO BACK AND CHECK YOUR WORK