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MARCH 2022

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		
CANDIDATE NAME: .... CANDIDATE NUMBER: .... CENTRE NUMBER:	SUBJECT TITLE INFORMATION AND COMMUNICATION TECHNOLOGY	
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.

1. Which of these is not a micro-computer?
   A. desktop
   B. laptop
   C. mainframe
   D. handheld PC

2. Another name for the main circuit board of a personal computer.
   A. RAM board
   B. Peripheral board
   C. Motherboard
   D. Central processing board

3. The first general purpose computer that could be programmed was the
   A. IBM PC
   B. Altair
   C. HOOVERVAC
   D. ENIAC

4. What is the term for a temporary storage area that compensates for differences in data rate and data flow between devices?
   A. Buffer
   B. Bus
   C. Channel
   D. Modem

5. Which of the following is not a project management goal?
   A. Keeping overall cost within budget
   B. Delivering software on time
   C. Maintaining a functioning team
   D. Avoiding customer's complaints

6. Which of the following is the file extension of Notepad?
   A. .txt
   B. .xls
   C. .ppt
   D. .bmp

7. Which data communication mode is used to transmit data over a serial link?
   A. Simplex
   B. Half duplex
   C. Full duplex
   D. Asynchronous

8. Which of the following is not considered as a risk in project management?
   A. Specification delay
   B. Product competition
   C. Testing
   D. Staff overload

9. If your computer reports that a file has a size of one kilobyte, then how much space is it using?
   A. 8 bytes
   B. 1,024 bytes
   C. 1,048,576 bytes
   D. exactly 1,000 bytes

10. The code used to store letters in the form of numbers in a computer.
    A. ROM code
    B. ASCII

C. PCMCIA
D. SCSI

11. Which component are you UNLIKELY to find as part of a motherboard?
    A. ROM
    B. CPU
    C. CMOS memory
    D. CD-ROM

12. A computer must be capable of doing all of these things except.
    A. build robots
    B. manage information
    C. process data
    D. store information

13. Which of the following would be the correct description for WORM virus?
    A. It infects the boot sector.
    B. It propagates through the internet and e-mail.
    C. It has no effect in increasing the internet traffic.
    D. It alters the folder structure.

14. Which of these is a pointing device?
    A. Laser printer
    B. Touch pad
    C. Data bus
    D. Decimal point

15. The speed of a microprocessor is measured in
    A. Gigabytes
    B. AvisHertz
    C. Bytes per second
    D. Gigahertz

16. Which of the following describes accessibility to confidential files in a computer system?
    A. Confidentiality
    B. Integrity
    C. Double factor authentication
    D. Authenticity

17. Which of these is volatile?
    A. ROM
    B. RAM
    C. PRAM
    D. BIOS

18. Which of the following is not a common threat to computer networks is?
    A. Malware
    B. Lost of information
    C. Hacking
    D. Phishing

19. A CD-ROM can hold approximately
    A. 1.44 megabytes
    B. 250 gigabytes
    C. 700 megabytes
    D. 1.44 gigabytes

20. A top to bottom relationship among the items in a database is established by a
    A. Hierarchical schema
    B. Network schema

C. Relational schema
D. Flat bed

21. Which of the following is not a layer of OSI model
    A. Application layer
    B. Session layer
    C. Transport layer
    D. Internet layer

22. What is the use of the computer port?
    A. Download the file via the internet
    B. To connect with other devices
    C. To reduce the internet speed
    D. None of the these

23. Which of the following is a common networking technology?
    A. IEEE 1492
    B. Ethernet
    C. PCI
    D. SCSI

24. Which of the following systems is convenient for stock management in a department store?
    A. Human information system
    B. Inventory control system
    C. Manufacturing information system
    D. Management information system

25. A device that converts digital signals to analog signals in telecommunications.
    A. Modem
    B. Repeater
    C. Router
    D. Switch

26. A computer network permits sharing of
    A. Resources
    B. Information
    C. A and B
    D. A and C

27. Which of the following management function is not performed by the operating system?
    A. Information management
    B. Software management
    C. Device management
    D. Memory management

28. Which of the following is not a GUI component?
    A. sub menu
    B. Menu
    C. Command
    D. Text box

29. A field in a database that uniquely identifies a record in a table is
    A. Secondary key
    B. Foreign key
    C. Primary key
    D. Unique key

30. Which of the following is NOT a type of Database
    A. Hierarchical
    B. Network
    C. Distributed
    D. Decentralized

31. For the website www.gceboard.cm, the top level domain is
    A. www.
    B. gceboard.cm
    C. .cm
    D. www.gceboard

32. What is the decimal value for the octal value 1?
    A. 1
    B. 8
    C. 10
    D. 100

33. Which of the following software enables the computer to run HLL?
    A. Processor
    B. Compiler
    C. Editor
    D. Database

34. Which of the following is an activity in the design stage of the development of a system?
    A. Checking that the system gives the required output
    B. Determines software requirements
    C. Interviewing future users about their requirements
    D. Creating the data and file structure.

35. The conversion method in which you target only a portion of a new system is called
    A. A Serial
    B. B Pilot
    C. C Parallel
    D. D Piecemeal

36.
```
Start
Get an integer, x
Get another integer, y
If x<y, then
        Take y to be y+2
        Else
        Take x to be y-2
EndIf
Print x, y
Stop
```
If x=4 and y=5 then the output is
    A. 10, 9
    B. 10, 1
    C. 3, 3
    D. 3, 7

37. Which of the following structures supports LIFO?
    A. Queues
    B. stacks
    C. arrays
    D. Harsh tables

TURN OVER

38. An Information System that provides periodic and predetermined reports that summarize Information to facilitate decision-making?
- A. Periodic information system
- B. Geographic information system
- C. Transaction processing system
- D. Management information system

39. Which of the following is a structured programming technique that graphically represents the detailed steps required to solve a problem?
- A. Pseudocode
- B. Flow chart
- C. control flow chart
- D. Gantt chart

40. A process of detecting and eliminating errors in a system
- A. Prototyping
- B. Testing
- C. Debugging
- D. Validating

41. A set of instructions written in a programming language is known as
- A. Pseudocode
- B. Source code
- C. Algorithm
- D. Data flow chart

42. Which of the following is a project management tool?
- A. TPS
- B. PERT
- C. ES
- D. Slack Time

43. The expression 1100101-1011100 will give?
- A. 0001011
- B. 0011001
- C. 0001001
- D. 0000001

Questions 44, 45 and 46 are based on the table below

A	B	X	Y	Z
0	0	1	1	1
0	1	0	1	0
1	0	0	1	1

44. From the table above, a Boolean expression for column X
- A. $A + B$
- B. $\overline{A + B}$
- C. $\bar{A} + \bar{B}$
- D. $\bar{B}$

45. The column Y is an output from
- A. AND Gate
- B. NAND Gate
- C. OR Gate
- D. NOR Gate

46. As per De Morgan's law, $(A \cap B)^I$ is equal to
- A. $A^I \cap B^I$
- B. $A^I \cup B^I$
- C. $A^I + B^I$
- D. $(A^I \cup B^I)$

47. The number of bytes in the word GCE2022 is?
- A. 64
- B. 56
- C. 7
- D. 8

48. The decimal number 11.75 converted into binary is?
- A. 1010.11
- B. 1100.01
- C. 1011.11
- D. 1011.01

49. Which of the following is a feature of DBMS?
- A. Minimum duplication and redundancy of data
- B. High level of security
- C. Single user access only
- D. Supports ACID property

50. The technology that stores only the essential instructions on a microprocessor chip and thus enhances its speed is referred to as:
- A. CISC
- B. RISC
- C. CD-ROM
- D. Wi-FI

END
GO BACK AND CHECK YOUR WORK