



LITTORAL COMPUTER SCIENCE TEACHERS ASSOCIATION (LICSTA)

GENERAL CERTIFICATE OF EDUCATION MOCK EXAMINATION

ADVANCED LEVEL

SUBJECT TITLE	796 – INFORMATION & COMMUNICATION TECHNOLOGY	MARCH 2023
PAPER NUMBER	1	

Mobile phones are NOT allowed in the examination room

Time Allowed : One Hour Thirty Minutes (1H:30M)

INSTRUCTIONS TO CANDIDATES

Read the following information carefully before you start answering the questions in the answer 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 "0595 – COMPUTER SCIENCE 1"
- 4 Insert the information required in the space provided above
- 5 Insert the information required in the spaces provided in the answer sheets using your HB pencil:

Candidate Name, Centre Number and Name, Subject Code Number and Paper Number

How to answer the questions in this examination

- 6 Answer ALL the 50 questions in this Examination. All Questions carry equal marks
- 7 Non-programmable calculators may be used
- 8 Each question has FOUR suggested answers A, B, C, D) Decide on which answer is correct, find the number of the question on the Answer Sheet and Draw a horizontal line across the corresponding letter to join the square brackets for the answer you have chosen. For example, if your correct answer is D, mark D 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 answer, erase the first mark carefully and 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 the question later.
- 11 Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.

You must not take this question booklet out of the examination room.

ALL QUESTIONS BOOKLETS AND ANSWER SHEETS WILL BE COLLECTED AT THE END OF THE EXAMINATION

1. Components in the CPU

communicates through

- A. BUS
 - B. RAM
 - C. REGISTER
 - D. NIC
2. Cache memory is intended to provide memory access
 - A. Fastest
 - B. Slow
 - C. Very slow
 - D. Comparatively fast
 3. Which of the following is a generic name given to software that cause harbor in a computer system?
 - A. Illegalware
 - B. Badware
 - C. Malware
 - D. maliciousware
 4. A _____ is a directed graph that describes the flow of execution control of the program.
 - A. Flowchart
 - B. Flow graph
 - C. Complexity curve
 - D. Algorithm
 5. Which of the following is a decision statement?
 - A. IF..ELSE
 - B. DO WHILE
 - C. WHILE
 - D. DO
 6. The language made up of binary coded instructions.
 - A. Machine
 - B. C
 - C. BASIC
 - D. High level
 7. The formal grammar rules governing the construction of valid instruction.
 - A. test case
 - B. syntax
 - C. program
 - D. semantics
 8. The term that provides simultaneous data processing tasks are _____.
 - A. Parallel Processing.
 - B. Array Processing.
 - C. Vector Processing.
 - D. Distributed Processing
 9. _____ a processor architecture

that utilizes a small, simple, highly optimized set of instructions.

- A. RISC
 - B. CISC
 - C. SIMD
 - D. MISD
10. _____ involves the immediate implementation of the new system replacing the old system.
 - A. Phase conversion
 - B. Pilot implementation
 - C. Parallel conversion
 - D. Direct implementation
 11. The network topology that support bi-directional links between each possible node is
 - A. Ring
 - B. Star
 - C. Tree
 - D. Mesh
 12. Character-recognition technology or scanner technology used mainly by the banking industry to ease the processing and clearance of cheques and other documents.
 - A. MICR (Magnetic Ink Character Recognition)
 - B. Magnetic trip technology
 - C. OMR (Optical Mark Recognition)
 - D. OCR (Optical Character recognition)
 13. A computer system that provides unspecified reports and supports complex decision-marking in an organization is called
 - A. Management Information System
 - B. Distributed System
 - C. Decision Support System
 - D. Real-time Processing System
 14. What is the decimal equivalent of the binary number 11011.011?
 - a. 37.375
 - A. 27.375
 - B. 27.125
 - C. none
 15. It is a set of rules that governs the exchange of information in a computer

network

- A. Protocol
 - B. Data transmission rules
 - C. Network access rules
 - D. Server rules
16. How many cables are needed to build a mesh topology of five computers?
- A. 9
 - B. 8
 - C. 5
 - D. 10
17. In telecommunication and computer science, _____ communication is a method of conveying multiple binary digits simultaneously on different channels.
- A. Synchronous
 - B. Asynchronous
 - C. Serial
 - D. Parallel
18. A software or hardware system that controls access to a network to control pages that enter the network is called?
- A. Firewire
 - B. Firewall
 - C. Antivirus
 - D. Network controller
19. The protocol used to receive electronic mail over the Internet is:
- A. TCP/IP
 - B. FTP
 - C. SMTP
 - D. none of the above
20. Some tasks can be extended for a number of days without affecting the finished day of a project. Such task is known as:
- A. Slack task
 - B. floating task
 - C. critical task
 - D. extended task
21. Which of the following logic is used to produce loops in program logic when one or more instruction may be executed several times depending on some conditions?
- A. Selection Logic
 - B. Sequence Logic

C. Iteration Logic

D. Decision Logic

22. The following pseudo code is an example of _____ structure:

```
Get number
Get another number
If first number is greater than second
then
    Print first number
Else
    Print second number
```

- A. Sequence
 - B. Decision
 - C. Loop
 - D. Nested
23. Which of the following is a volatile memory?
- A. DVD
 - B. CD-ROM
 - C. RAM
 - D. Flash Drive
24. A scheduler which selects processes from secondary storage device is called
- A. Short term scheduler.
 - B. Long term scheduler
 - C. Medium term scheduler
 - D. Process scheduler
25. Hackers
- A. All have the same motive
 - B. Break into other people's computers
 - C. May legally break into computers as long as they do not do any damage
 - D. Are people who are allergic to computers
26. Every statement in C program is to be terminated by a _____
- A. dot(.)
 - B. semi-colon(;
 - C. colon(:)
 - D. Question mark(?)
 - E.
27. A block comments begins and ends with?
- A. Start with / and end with //
 - B. Start with /* and end with */

- C. Start with // and end with //
- D. Start with < and end with >
28. A row in a database table is also known as
- Relationship
 - Tuple
 - Cell
 - Attribute
29. Statistical calculations and preparation of tables and graphs can be done using
- Adobe Photoshop
 - Excel
 - Notepad
 - Power Point
30. Which function in Excel checks whether a condition is true or not?
- SUM
 - COUNT
 - IF
 - AVERAGE
31. In Excel, which one denoted a range from B1 through E5
- B1 - E5
 - B1:E5
 - B1 to E5
 - B1\$E5
32. In the URL – www.ictgceal.com/80/home/index.php, home is
- Port
 - Scheme
 - File
 - Directory
33. An HTML web pages starts with which of the following tag?
- <!DOCTYPE html>
 - <body>
 - <html>
 - <head>
34. PHP is the acronym for?
- Processor Hypertext
 - Public Host Processor
 - Hypertext Processor
 - Hypertext Pre Processor
35. CSS is the language we use to style an _____ document.
- PHP
 - HTML
 - SQL
 - .Net
36. Which of the following property is used to set the background image of an element?
- background-color
 - background-image
 - background-repeat
 - background-position
37. Which Microsoft access database object is use to prepare data for transmission?
- Macros
 - Tables
 - Forms
 - Reports
38. What is the maximum length a text field can be?
- 75
 - 120
 - 255
 - 265
39. To create relationship between two tables
- drag any field from parent table and drop on child table
 - drag the foreign key of a table into the primary key of another table
 - drag the primary key of a table into foreign key of another table
 - None of the above
40. Developing a system model and testing to make adjustments until an acceptable product is realized is known as:
- Water Fall Model
 - RAD
 - Prototyping
 - JAD
41. Which of the following is a system development project management tool
- Diagrams
 - Gantt Chart
 - Reports
 - Milestones

42. The expression of an EX-OR gate is

- A. $A'B+AB'$
- B. $AB+A'B'$
- C. $A+A.B$
- D. $A'+B'$

43. Which of the following are known as universal gates?

- A. NAND & NOR
- B. AND & OR
- C. XOR & OR
- D. EX-NOR & XOR

44. In the _____ normal form, a table is atomic.

- A. First
- B. Second
- C. Third
- D. Fourth

45. A language which can be used to extract information from a database is?

- A. Query
- B. C
- C. PASCAL
- D. SQL

46. SSADM is not suitable for:

- A. Small projects
- B. Complex projects
- C. Accommodating changes
- D. Maintenance Projects

47. An information system that manages day-to-day transactions is known as?

- A. EIS
- B. DSS
- C. MIS
- D. TPS

48. Encryption and decryption provides confidentiality but NOT

- A. Privacy
- B. Integrity
- C. Completeness
- D. Authenticity

49. The use of digital resources by educational institutions to deliver lessons across geography boundaries is called?

- A. Digitalization
- B. Online learning
- C. Distance Education

D. All of the above

50. The situation in which users of the internet work together in groups using web cameras is called?

- A. Block working
- B. Distance Working
- C. Teleworking
- D. Video conferencing

END

GO BACK AND CHECK YOUR WORK