

GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

JUNE 2025

ORDINARY LEVEL

Centre Number	
Centre Name	
Candidate Identification Number	
Candidate Name	

Mobile phones are NOT allowed in the examination room.

MULTIPLE CHOICE QUESTION PAPER

Duration: 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 "ORDINARY LEVEL – 0595 COMPUTER SCIENCE 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 Name, Exam Session, Subject Code 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

6. Answer **ALL** the 50 questions in this Examination. All questions carry equal marks.
7. Non-programmable Calculators are allowed.
8. Each question has FOUR suggested answers: **A, B, C** and **D**. Decide which answer is appropriate. 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 your rough work in this booklet using 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. DO NOT ATTEMPT TO LEAVE THE EXAMINATION HALL WITH IT.**

Turn Over

1. In the evolution of electronic computers, transistors were used in
 - A First generation
 - B Second generation
 - C Third generation
 - D Fourth generation

2. Which one of the following represents a picture file?
 - A Read.avi
 - B Read.doc
 - C Read.jpg
 - D Read.ppt

3. In a word processor application, the program that provides synonyms of words is
 - A Thesaurus
 - B Translator
 - C Dictionary
 - D Encyclopedia

4. The security measure in a computer system that requires the use of network IP address is
 - A Password
 - B Firewall
 - C Encryption
 - D Decryption

5. Software used only to create and edit text
 - A Editor
 - B Compiler
 - C Interpreter
 - D Assembler

6. The type of error in a program caused by the omission of a keyword in the programming language is called
 - A Logic error
 - B Semantic error
 - C Syntax error
 - D Runtime error

7. The implementation method in which an old system is totally replaced by a new one at once
 - A Plunge
 - B Phased
 - C Pilot
 - D parallel

8. The computer RAM cannot be replaced by ROM because
 - A ROM is non-volatile
 - B Data in ROM is fixed
 - C ROM is slower
 - D ROM is too large

9. The organization of files on a disk constitute a
 - A Query
 - B Field
 - C Record
 - D Database

10. The conversion of digital signals to analogue signals is an example of
 - A Moderation
 - B Demoderation
 - C Modulation
 - D Demodulation

11. The network device used to determine the best path for a data packet across networks is called
 - A Repeater
 - B Router
 - C Linker
 - D Bridge

12. The point on the command line interface where instructions are entered is called
 - A Space
 - B Entry
 - C Prompt
 - D Cursor

13. A program that detects errors in a program Code is called
 - A Compiler
 - B Debugger
 - C Assembler
 - D Decoder

14. The CPU system bus consists of
 - A Memory, address and control buses
 - B Data, address and control buses
 - C Memory, address and data buses
 - D Memory, data and control buses

15. An example of spreadsheet mixed cell reference is
 - A A\$2
 - B \$2\$A
 - C \$A\$2
 - D 2\$A

16. The protocol that governs the downloading of files on the Internet is
 - A HTTP
 - B FTP
 - C ISP
 - D IP

17. In SDLC, preliminary investigation is done during
 - A Project evaluation
 - B Project analysis
 - C Feasibility study
 - D System design

18. The computation of the logic operation on the strings of bits (10010) AND (01011) gives
 - A (11001)
 - B (00010)
 - C (11101)
 - D (11011)

19. Two components of a data transmission system include
 A Software and hardware
 B Sender and receiver
 C Protocol and topology
 D Data and information
-
20. The result of computing $1101_2 + 101_2$ is
 A 10010_2
 B 10101_2
 C 11000_2
 D 10001_2
-
21. The acronym PIN code stands for
 A Personal Identity Number
 B Personal Identification Number
 C Private Identification Number
 D Private Identity Number
-
22. Program written in HTML is interpreted by
 A The Internet
 B A browser
 C An interpreter
 D A compiler
-
23. The exact number of floppy discs each of size 4MB needed to hold 2GB of data is
 A 1
 B 50
 C 500
 D 512
-
24. When data is being transferred from a fast storage to a slower storage, the computer processor regulates the data flow rate by making use of
 A Controllers
 B RAM chips
 C Virtual memories
 D Buffers
-
25. The pair of html tags that generates a numbered list is
 A ` --- `
 B ` --- `
 C ` --- `
 D ` --- `
-
26. Signals into and out of a company's extranet is protected from outside intruders using
 A Encryption algorithms
 B Firewall installations
 C Security cameras
 D Solid structures
-
27. How many symbols are there in the hexadecimal number system?
 A 10
 B 14
 C 15
 D 16
-
28. The smallest data storage unit on a magnetic disk is
 A Track
 B Cylinder
 C Sector
 D Cluster
-
29. Which of the hardware secures the computer from the effect of power spikes, and voltage fluctuations?
 A Power Transformer
 B Uninterruptible Power Supply
 C Power Controller
 D Interruptible Power Supply
-
30. Which of the following describes a transmission mode between a computer and a printer during the printing?
 A Simplex
 B Half duplex
 C Duplex
 D Full duplex
-
31. The term video conferencing means
 A Running a conference using video projectors
 B Holding a remote meeting using multimedia tools and links with participants at distant locations.
 C Use of large television screens to manage an outdoor conference
 D Use of video and audio facilities to run a conference in a large hall
-
32. The Data check that requires users to enter their secret codes two times before granting access is called
 A Validation
 B Verification
 C Range check
 D Parity check
-
33. A graphical representation of a software tool or action is called a(an)
 A Folder
 B Icon
 C Picture
 D file
-
34. The octal (base 8) equivalent of the binary number 10011011_2 is
 A 332_8
 B 233_8
 C 133_8
 D 331_8
-
35. Laptop computers are examples of
 A Super computers
 B Mini computers
 C Micro computers
 D Mainframe computers
-

36. A barcode reader is an example of a(an)
 A Processing device
 B Storage device
 C Input device
 D Output device
-
37. The full meaning of QR code is
 A Quality Readable code
 B Quick Readable code
 C Quick Response code
 D Quality Response code
-
38. The stage from which data is stored on hard disks is
 A Processing stage
 B Storage stage
 C Output stage
 D Feedback stage
-
39. Software designed to store, retrieve, manipulate and update data is
 A Spreadsheet software
 B Word processor software
 C Accounting software
 D Database management software
-
40. The category of software that enables the computer to manage its internal resources is called
 A Application software
 B Custom software
 C System software
 D Automation software
-
41. In database normalization, composite attributes are converted to atomic (individual) attribute in order to
 A Create many tables
 B Eliminate various forms of data anomalies
 C Increase data redundancy
 D Increase the storage space
-
42. The maximum signal carrying capacity of a communication channel is referred to as
 A Broadband
 B Bandwidth
 C Hertz
 D frequency
-
43. One disadvantage of computer simulations is that
 A It renders engineers lazy
 B It may give wrong impression of the real situation
 C It leads to suspension of work in the company
 D No new discoveries are made
-
44. The installation of Windows 10 in replacement of Windows 8 in a computer is an example of Software
 A Update
 B Upgrade
 C Renewal
 D Replacement
-
45. The full meaning of the abbreviation SSD storage in computers is
 A Secondary State Drive
 B Secondary System Drive
 C Solid State Device
 D Solid System Device
-
46. The type of processor used in laundry machines is
 A Simple processor
 B Microprocessor
 C Embedded processor
 D Domestic processor
-
47. A multiplexer receives signals from
 A One input and emits through several outputs
 B Many inputs and emits through one output
 C Many inputs and emits through many outputs
 D One input and emits through one output
-
48. Program code that is neither compiled nor interpreted is
 A Program code
 B Source code
 C Object code
 D Raw code
-
49. The term softcopy in computing refers to
 A Electronic output
 B Non-aggressive output
 C Printed copies
 D Information without pictures
-
50. Who is responsible for the coordination of the Development of an information system
 A Project technician
 B System programmer
 C System analyst
 D Project manager
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STOP

GO BACK AND CHECK YOUR WORK