



(An Institute of National Importance under the Ministry of Education, Government of India)

Meikottaiyur, Off Vandalur-Kelambakkam Road, Chennai-600127

मेलकोट्टैयूर, वडलूर- केलम्बाक्कम रोड, चेन्नई-600127

Level II

Time: 150 min

Marks: 100

Technical Knowledge Test (CSE)

1. One kilobyte is equal to:
 - A. 1000 bytes
 - B. 100 bytes
 - C. 1024 bytes
 - D. 1023 bytes

2. AI refers to
 - A. Ability of machines to perform tasks with human-like brain
 - B. Robotic Science
 - C. Remote Sensing
 - D. Artificial Neural Network

3. _____ controls the way in which the computer system functions and provides a means by which users can interact with the computer.
 - A. The operating system
 - B. Mother Board
 - C. Application Software
 - D. Platform

4. The term Core I7 relates to
 - A. Hard Disk
 - B. Mother Board
 - C. Audio System
 - D. Microprocessor

5. HTTP stands for
 - A. Highest Transfer Technology Protocol
 - B. Hyper Technical Technology Processor
 - C. Hyper Text Transfer Protocol
 - D. Hyper Text Transfer Plotter

6. Output device is
 - A. Keyboard
 - B. Mouse
 - C. CPU
 - D. Monitor

7. Which one is not a storage device
 - A. Hard Disk
 - B. Pen drive
 - C. Printer
 - D. Compact Disk
8. IC chips used in computers are usually made of:
 - A. Led
 - B. Silicon
 - C. Chromium
 - D. Gold
9. What kind of errors can be pointed out by the compiler?
 - A. Syntax error
 - B. Semantic error
 - C. Logical error
 - D. Internal error
10. What is the control unit's function in the CPU?
 - A. To transfer data to primary storage.
 - B. To store program instructions.
 - C. To perform logic functions.
 - D. To decode program instructions.
11. Which is the one which is not a network device
 - A. Switch
 - B. Modem
 - C. Radar
 - D. Router
12. Which one is not a hardware
 - A. Hard disk
 - B. CPU
 - C. Memory
 - D. C++
13. Binary is
 - A. 0, 1, 2, 3, 4, 5, 6, 7, 8
 - B. 0 and 1
 - C. 0 -10
 - D. 11
14. Which supercomputer is developed by the Indian Scientists?
 - A. Param
 - B. Super 301
 - C. Compaq Presario
 - D. CRAY YMP

15. One Gigabyte is approximately equal is:

- 1000,000 bytes
- 1000,000,000 bytes
- 1000,000,000,000 bytes
- None of these

16. You can move between two or more Excel files opened by using the

- ctrl + tab
- ctrl + page up
- ctrl + page down
- ctrl + F9

17. Which of the following is NOT a component of the Central Processing Unit of the computer?

- Universal Serial Bus
- Uninterrupted Power Supply
- Coprocessor
- Both A & B

18. Which of the following languages is more suited to a structured program?

- PL/1
- FORTRAN
- BASIC
- PASCAL

19. A computer assisted method for the recording and analyzing of existing or hypothetical systems is

- Data transmission
- Data flow
- Data capture
- Data processing

20. Which of the following computer language is used for artificial intelligence?

- FORTRAN
- PROLOG
- C
- COBOL

21. Which part interprets program instructions and initiate control operations.

- Input
- Storage unit
- Logic unit
- Control unit

22. A computer program that converts assembly language to machine language is

- Compiler
- Interpreter
- Assembler
- Comparator

23. The time required for the fetching and execution of one simple machine instruction is

- A. Delay time
- B. CPU cycle
- C. Real time
- D. Seek time

24. Any type of storage that is used for holding information between steps in its processing is

- A. CPU
- B. Primary storage
- C. Intermediate storage
- D. Internal storage

25. The section of the CPU that selects, interprets and sees to the execution of program instructions

- A. Memory
- B. Register unit
- C. Control unit
- D. ALU

26. Which one is not a PROGRAMMING LANGUAGE

- A. C++
- B. JAVA
- C. Microsoft Word
- D. FORTRAN

27. Which one is not a DataBase

- A. Dbase
- B. Oracle
- C. SQL
- D. PASCAL

28. UI Stands for

- A. United Interface
- B. Union of Interfaces
- C. User Interface
- D. Uniform Interconnect

29. Hardware used for networking is

- A. USB
- B. Ethernet Card
- C. Memory Card
- D. Hard Disk

30. TCP-IP stands for

- A. Transmission Control Protocol and Internet Protocol
- B. Transfer CPU and Internet Protocol
- C. Terminal Connection Part and Internet Part
- D. Transmission Control Protocol and Interface Part

31. Number of layers in OSI Model

- A. 3
- B. 7
- C. 10
- D. 9

32. MODEM is

- A. Output Device
- B. Input Device
- C. Network Device
- D. Memory device

33. Internet of Things is used for

- A. Connecting computers
- B. Connecting Main Frames
- C. Internet connectivity of Physical Devices
- D. Connecting Printers

34. USB is

- A. Pen Drive
- B. Data Drive
- C. Interface
- D. Data.

35. HDMI is used for

- A. Connecting Printer
- B. CPU
- C. Key Board
- D. Display devices

36. High Définition Multimedia Interface (HDMI) uses

- A. Analog transmission
- B. Digital transmission
- C. Linear Transmission
- D. Analog and Digital Transmission

37. Which is not a Network Topology

- A. Star
- B. Mesh
- C. Pentium
- D. Ring

38. Compiler is

- A. Computer Program
- B. Computer Interface
- C. Computer Model
- D. Device

39. Environment where a piece of software is executed is

- A. Printer
- B. Platform
- C. System
- D. Language

40. Mobile communication uses

- A. Analog transmission
- B. Hybrid transmission
- C. Digital wireless transmission
- D. Cable transmission

41. Cloud Computing is

- A. Sharing of information over Network
- B. Sharing of knowledge over Network
- C. Sharing of computing resources over Network
- D. Internet Connection

42. 1G, 2G, 3G, 4G, 5G are

- A. Computer Network
- B. Broadband Mobile Network Technology
- C. Computer Generations
- D. Gaming Technology

43. Mobile phones uses

- A. Wireless Technology
- B. Broadband Technology
- C. Wired Technology
- D. Optical Technology

44. Media used for faster communication is

- A. Wireless
- B. Optical Fibre
- C. Copper wire
- D. Laser

45. GUI stands for

- A. General User Interconnect
- B. Graphical User Interface
- C. Graphical Universal Interface
- D. Green User Initiative

46. BIG DATA is

- A. Data Standard
- B. Data Communication
- C. Data Warehousing
- D. Data Base

47. Which one not a social media

- A. Facebook
- B. WhatsApp
- C. LinkedIn
- D. E-Mail

48. HTML is used for

- A. Data Management
- B. Web site creation
- C. Network management
- D. Domain Management

49. Blue Ray Disk is

- A. Magnetic Storage
- B. Optical Storage
- C. Tape Storage
- D. Electronic Storage

50. DVD Recorder Drive uses

- A. LED source
- B. UV Source
- C. Laser source
- D. Infra-Red Source

51. The earliest device that qualifies as a digital computer is

- A. EDSAC
- B. Abacus
- C. ENIAC
- D. EDVAC

52. Which memory temporarily stores the values of variables

- A. SAM
- B. RAM
- C. ROM
- D. PROM

53. The first IBM PC did not have any

- A. Hard disk
- B. RAM
- C. ROM
- D. Port

54. During Linux installation, the "root" partition is used for:

- A. User home directories
- B. System files and configuration
- C. Swap space
- D. Bootloader storage

55. Frames from one LAN can be transmitted to another LAN via the device

- A. Router
- B. Bridge
- C. Repeater
- D. Modem

56. Which of the following condition is used to transmit two packets over a medium at the same time?

- A. Contention
- B. Collision
- C. Synchronous
- D. Asynchronous

57. Which one is used for modulation and demodulation

- A. Protocols
- B. Multiplexer
- C. Modem
- D. Gateway

58. Internet like connection within an organization

- A. Switching
- B. Routing
- C. Intranet
- D. Wide Area Network

59. The slowest transmission speeds are those of

- A. twisted-pair wire
- B. coaxial cable
- C. fibre optic cable
- D. microwaves

60. Usually, it takes 10-bits to represent one character. How many characters can be transmitted at a speed of 1200 BPS?

- A. 10
- B. 12
- C. 120
- D. 1200

61. To connect a computer with a device in the same room, you need to use

- A. a coaxial cable
- B. a dedicated line
- C. a ground station
- D. All of the above

62. FIREWALL in computer network is

- A. Prevent fire in a computer
- B. Prevent theft of data
- C. Prevent unauthorized access
- D. Prevent Network theft

63. DNS stands for

- A. Domain Name System
- B. Domain Name Server
- C. Dynamic Name System
- D. Dynamic Name Server

64. Bandwidth in computer network

- A. Transmission capacity
- B. Class of IP used
- C. Network Protocol
- D. Handshaking

65. Which one of the following is not a networking device

- A. Linux
- B. Hub
- C. Routers
- D. Firewall

66. Loop in programming

- A. Conditional Redirection
- B. Continuously repeat until condition is reached
- C. Unconditional redirection
- D. Termination

67. Key word used for coming out of recursion

- A. Break
- B. Return
- C. Exit
- D. Start

68. C++ is

- A. Programming language
- B. Machine language
- C. Database Programming
- D. Coding

69. Computer Virus is

- A. a disease
- B. a malicious program
- C. a computer shortcut
- D. an Infection

70. Which one of the below is not an anti-virus software

- A. Norton
- B. McAfee
- C. Kaspersky
- D. Windows

71. Highest source of Virus attack is from

- A. Pen drive
- B. CD Drive
- C. DVD Drive
- D. Internet

72. Computer can be prevented from virus attack by

- A. Using good anti-virus software
- B. Not using Pen Drive
- C. Not connecting to internet
- D. Providing physical security

73. Embedded system is

- A. Software
- B. Microcontroller based complete system
- C. Microprocess
- D. CPU and hardware

74. Surveillance system does not include

- A. Camera
- B. Recorder
- C. Monitor
- D. LCD Projector

75. Video Conference System is used for

- A. Browsing
- B. Multimedia system
- C. Transfer Data
- D. Video, Audio and Data communication

76. C program is converted into machine language with the help of

- A. Editor
- B. Compiler
- C. Operating System
- D. Windows

77. Which is the only function that all C programs must contain

- A. start()
- B. system()
- C. main()
- D. printf()

78. Which of the following is not a correct variable type

- A. Float
- B. Real
- C. Int
- D. char

79. Any C program

- A. Must contain at least one function
- B. Need not contain any function
- C. Needs input data
- D. None of the above

80. Which is not multi user operating system

- A. Unix
- B. Linux
- C. Windows Server
- D. DOS

81. The function scanf() returns

- A. The actual values read for each argument
- B. 1
- C. 0
- D. Number of successful read input values

82. A light sensitive device that converts drawing, printed text or other images into digital form is

- A. Keyboard
- B. OMR
- C. Scanner
- D. Monitor

83. Which protocol provides e-mail facility among different hosts

- A. FTP
- B. SMTP
- C. TELNET
- D. SNMP

84. In order to tell Excel that we are entering a formula in a cell, we must begin with an operator such as

- A. \$
- B. @
- C. +
- D. =

85. Fifth generation computers are based on

- A. Programming Intelligence
- B. System Knowledge
- C. Artificial intelligence
- D. VVLSI

86. Which of the following memory is non volatile

- A. SRAM
- B. DRAM
- C. ROM
- D. RAM

87. Any data or instruction entered into the memory of a computer is considered as

- A. Storage
- B. Output
- C. Input
- D. Information

88. Time during which a job is processed by the computer is

- A. Execution time
- B. Delay time
- C. Real time
- D. Waiting time

89. An error is also known as

- A. Cursor
- B. Icon
- C. Bug
- D. Debug

90. Microsoft Word is an example of

- A. Processing device
- B. An operating system
- C. Application software
- D. System software

91. What is the main role of device drivers after OS installation?

- A. Enhance GUI performance
- B. Allow the OS to communicate with hardware
- C. Manage user accounts
- D. Protect the system from viruses

92. High speed memory used in computer

- A. RAM
- B. Hard disk
- C. Cache
- D. BIOS

93. In a client/server model, a client program

- A. Asks for information
- B. Provides information and files
- C. Serves software files to other computers
- D. Distribute data base to other computers

94. Which of the following is not used as secondary storage

- A. Semiconductor memory
- B. Magnetic disk
- C. Magnetic Drum
- D. Magnetic Tapes

95. USB stands for

- A. Universal Serial Bus
- B. Universal Sequential Bus
- C. Unique Serial Bus
- D. Unique Sequential Bus

96. A technique used by codes to convert an analog signal to digital bit stream is known as

- A. Digital Signal Generator
- B. Pulse Code Modulation
- C. Pulse Signal Modulation
- D. None of these

97. Where does your PC store your programs when the power is off

- A. DRAM
- B. Cache
- C. ROM
- D. Hard Disk Drive

98. What language does a browser typically interpret to display information from the World Wide Web

- A. Machine code
- B. Assembly Language
- C. HTML
- D. C++

99. Buying and selling the products over electronic systems like internet is called

- A. Online Shopping
- B. Net Banking
- C. E-Commerce
- D. Digital Marketing

100. What device includes an adapter that decodes data sent in radio signals

- A. Modem
- B. Digital translator
- C. Router
- D. Switch

