

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN AND MANUFACTURING, KANCHEEPURAM



भारतीय सूचना प्रौद्योगिकी, अभिकल्पना एवं
विनिर्माण संस्थान, कांचीपुरम

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

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मेलकोट्टैयूर, वंडलूर-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:
- A. 1000,000 bytes
 - B. 1000,000,000 bytes
 - C. 1000,000,000,000 bytes
 - D. None of these
16. You can move between two or more Excel files opened by using the
- A. ctrl + tab
 - B. ctrl + page up
 - C. ctrl + page down
 - D. ctrl + F9
17. Which of the following is NOT a component of the Central Processing Unit of the computer?
- A. Universal Serial Bus
 - B. Uninterrupted Power Supply
 - C. Coprocessor
 - D. Both A & B
18. Which of the following languages is more suited to a structured program?
- A. PL/1
 - B. FORTRAN
 - C. BASIC
 - D. PASCAL
19. A computer assisted method for the recording and analyzing of existing or hypothetical systems is
- A. Data transmission
 - B. Data flow
 - C. Data capture
 - D. Data processing
20. Which of the following computer language is used for artificial intelligence?
- A. FORTRAN
 - B. PROLOG
 - C. C
 - D. COBOL
21. Which part interprets program instructions and initiate control operations.
- A. Input
 - B. Storage unit
 - C. Logic unit
 - D. Control unit
22. A computer program that converts assembly language to machine language is
- A. Compiler
 - B. Interpreter
 - C. Assembler
 - D. 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 Definition 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

