

CS101 90+ FINAL TERM MCQS SPRING 2025

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Question No: 1

Within a transfer category, which instruction communicates with devices outside the CPU?

- A. STORE instruction
- B. COM instruction
- C. **I/O instruction**
- D. LOAD instruction

Question No: 2

Algorithm building blocks in computer science are called:

- A. **Primitive**
- B. Non-Primitive
- C. Scalar
- D. Non-Scalar

Question No: 3

A clear flag state indicates the resource is:

- A. **Available**
- B. Unavailable
- C. Currently allocated
- D. Ready

Question No: 4

VoIP transfers audio data via:

- A. P2S
- B. **P2P**
- C. P2Q
- D. P2R

Question No: 5

<a> is called the _____ tag in HTML.

- A. Actor
- B. **Anchor**
- C. Action
- D. Alter

Question No: 6

Post-test loop structure is:

- A. While
- B. **Repeat**
- C. For
- D. For Each

Question No: 7

Loops execute repetitively under:

- A. **Control Process**
- B. Sequence process
- C. Halting process
- D. Background knowledge

Question No: 8

SSDs stands for:

- A. Semantic state disk
- B. **Solid state disk**
- C. Software state disk
- D. Simple state disk

Question No: 9

Repeated erasing damages:

- A. **Silicon dioxide chambers**
- B. Enhances
- C. Decreases

Question No: 10

Leibniz's machines observed gear positions:

- A. Third gear
- B. First gear
- C. Final gear
- D. **Second gear**

Question No: 11

Blind server-side script execution risks:

- A. **Security concerns (server/client)**
- B. Ethical (server) + Security (client)
- C. Ethical (client) + Security (server)
- D. Ethical concerns (both)

Question No: 12

Repetitive instruction implementation is a:

- A. if-else
- B. **loop**
- C. Class

Question No: 13

Bit patterns move between CPU and:

- A. ROM
- B. **Main Memory**
- C. Processor
- D. Cache memory

Question No: 14

Phase 1 of problem-solving is:

- A. Formulate algorithm
- B. Evaluate program
- C. **Understand the Problem**
- D. Algorithmic idea

Question No: 15

PHP stands for:

- A. **Personal Home Page**
- B. Private Home Page
- C. Protected Home Page
- D. Public Home Page

Question No: 16

Scheduler maintains process info in:

- A. Mac
- B. IP
- C. **Process table**
- D. ASCII

Question No: 17

TIFF abbreviation:

- A. Toggle Image File Format
- B. Template Image File Format
- C. Tagged Image File Frame
- D. **Tagged Image File Format**

Question No: 18

Connects computers worldwide:

- A. PAN
- B. LAN
- C. **WAN**
- D. MAN

Question No: 19

Correct network layer sequence (sender side):

- A. Link → Network → Transport → Application
- B. Network → Link → Transport → Application
- C. Application → Link → Network → Transport
- D. **Application → Transport → Network → Link**

Question No: 20

Factorial code output (Fact=2):

- A. **2**
- B. 3
- C. 5
- D. 7

Question No: 21

CPU consists of:

- A. **ALU, Control Unit, Registers**
- B. ALU, MPEG, CU
- C. Circuit, MP3, ICU
- D. RAM, cache, D-RAM

Question No: 22

Minimal instruction set design:

- A. CISC
- B. **RISC**
- C. ENIAC
- D. RISC/CISC

Question No: 23

Sound is represented as:

- A. Pixel
- B. Geometric Structures
- C. **Wave**
- D. Scaling

Question No: 24

Client-side scripting language:

- A. Python
- B. **JavaScript**
- C. PHP
- D. ASP.net

Question No: 25

Modern codes use:

- A. Relative encoding
- B. **Frequency Dependent (Huffman)**
- C. Run-length encoding
- D. Differential encoding

Question No: 26

Unary operator:

- A. OR
- B. AND
- C. **NOT**
- D. EQUAL

Question No: 27

Declarative paradigm focuses on:

- A. Imperative
- B. Functional

C. **Declarative (problem statement)**

D. Object-Oriented

Question No: 28

Relational operator returns False as:

A. **0**

B. 1

C. 2

D. 3

Question No: 29

Reducing module dependencies:

A. Inheritance

B. Abstraction

C. Polymorphism

D. **Information hiding**

Question No: 30

&& syntax:

A. cmd1 cmd2 &&

B. cmd1 & cmd2&

C. && cmd1 cmd2

D. **cmd1 && cmd2**

Question No: 31

Invalid data type:

A. Int

B. Float

C. Char

D. **HTML**

Question No: 32

Condition-based iteration:

A. **Loop**

B. Class

C. Function

D. Conditional

Question No: 33

Storage for encoded addresses:

A. Tree

B. Array

C. Graph

D. **Pointer**

Question 34

In Object-Oriented Paradigm, each object's collection of functions is called:

Options:

- Classes
 - Object
 - **Method**
 - Element
-

Question 35

C++ "Equal to" relational operator:

Options:

- &
 - =
 - !=
 - ==
-

Question 36

In Structure Charts, functions are represented by:

Options:

- Circles
 - Arrows
 - Triangles
 - **Rectangles**
-

Question 37

True parallel processing requires:

Options:

- Single CPU core
 - **Multiple CPU cores**
 - None
 - Exactly two cores
-

Question 38

Choices in a single if-else statement:

Options:

- 3
- 4
- **2**

- 1
-

Question 39

Language understood by computers without translation:

Options:

- High-Level Language
 - Assembly Language
 - **Machine Language**
 - Command Language
-

Question 40

SDLC phase providing problem solutions:

Options:

- Implementation
 - Testing
 - **Design**
-

Question 41

To retrieve employee info, select the _____ with ID from EMPLOYEE relation:

Options:

- Model
 - Table
 - **Tuple**
 - Attributes
-

Question 42

Heavy transaction loads likely affect:

Options:

- Small databases
 - **Large databases**
 - Web development
 - OOP
-

Question 43

Incremental model prototypes evolving into final system:

Options:

- Agile method
 - Throwaway prototyping
 - None
 - **Evolutionary prototyping**
-

Question 44

Stronger cohesion is called:

Options:

- Weak
 - **Functional**
 - Independent
 - Non-functional
-

Question 45

Paradigm using predefined program units:

Options:

- Imperative
 - Declarative
 - Functional
 - **Object-Oriented**
-

Question 46

Symbol to separate statements in imperative languages:

Options:

- .
 - ;
 - ,
 - -
-

Question 47

Traditional programming approach:

Options:

- **Imperative Paradigm**
 - Declarative
 - Functional
 - OOP
-

Question 48

Alternative to translators:

Options:

- Assembler
 - Compiler
 - **Interpreter**
 - Mnemonics
-

Question 49

Modulus operator sign:

Options:

- /
 - \
 - %
 - ◦
-

Question 50

Theoretical database view:

Options:

- Theoretical
 - **Conceptual**
 - Empirical
 - Logic
-

Question 51

Not an SDLC phase:

Options:

- Testing
- Implementation

- **Problem Identification**
-

Question 52

Modern problems solved via:

Options:

- **Parallel processing**
 - Traditional context
 - Traditional processing
-

Question 53

5 % 2 result:

Options:

- 0
 - **1**
 - 2
 - 5
-

Question 54

Design phase is followed by:

Options:

- Requirement Analysis
 - **Implementation**
 - Testing
 - Maintenance
-

Question 55

Game overseen by function named:

Options:

- Objects
 - **Control Game**
 - Function
 - Forms
-

Question 56

Simplest array form:

Options:

- **One-dimensional**
 - Two
 - Five
 - Four
-

Question 57

ISO standards series:

Options:

- **ISO 9000**
 - SQA
-

Question 58

Paradigm working on objects:

Options:

- Imperative
 - Declarative
 - Functional
 - **Object-Oriented**
-

Question 59

Object as a special case of:

Options:

- Coupling
 - Binding
 - Cohesion
 - **Component**
-

Question 60

Iterative technique example:

Options:

- Relational Process
- Conventional Process
- **Rational Unified Process**

- Unified Process

Question No: 61

Refers to distributed systems that are more loosely coupled than clusters but still work together to accomplish large tasks.

- A. Quantum computing
- B. Parallel computing
- C. Grid computing
- D. Cloud computing

Correct Answer: C. Grid computing

Question No: 62

Which data compression technique is suitable for situations where a long sequence has the same value?

- A. Differential encoding
- B. Relative encoding
- C. Run-length encoding
- D. Frequency-dependent encoding

Correct Answer: C. Run-length encoding

Question No: 63

The binary search algorithm uses _____.

- A. Linear search
- B. Divide and conquer method
- C. Bubble sort technique
- D. Quick sort technique

Correct Answer: B. Divide and conquer method

Question No: 64

It is the same as addition in the decimal system; you need to align the radix point and perform the addition as we did in simple:

- A. Hexadecimal
- B. Octal
- C. Folic
- D. Binary or Decimal system

Correct Answer: D. Binary or Decimal system

Question No: 65

Within a transfer category, which instruction is used to communicate with devices outside the CPU?

- **A. STORE instruction**
- **B. COM instruction**
- **C. I/O instruction**
- **D. LOAD instruction**

Correct Answer: C. I/O instruction

Question No: 66

Computer science approaches some problems by establishing a well-defined set of building blocks from which algorithm representations can be constructed. These building blocks are ____.

- **A. Primitive**
- **B. Non-Primitive**
- **C. Scalar**
- **D. Non-Scalar**

Correct Answer: A. Primitive

Question No: 67

A clear flag state indicates that the resource is:

- **A. Available**
- **B. Unavailable**
- **C. Currently allocated**
- **D. Ready**

Correct Answer: A. Available

Question No: 68

VoIP consists of two processes on different machines transferring audio data via the model.

- **A. P2S**
- **B. P2P**
- **C. P2Q**
- **D. P2R**

Correct Answer: B. P2P

Question No: 69

<a> is called the ____ tag in the HTML document.

- **A. Actor**

- B. Anchor
- C. Action
- D. Alter

Correct Answer: B. Anchor

Question No: 70

Loop structure referred to as a post-test loop.

- A. While
- B. Repeat
- C. For
- D. For Each

Correct Answer: B. Repeat

Question No: 71

Loop is executed in a repetitive fashion under the direction of some:

- A. Control Process
- B. Sequence process
- C. Halting process
- D. Under some background knowledge

Correct Answer: A. Control Process

Question No: 72

SSDs stands for ____.

- A. Semantic state disk
- B. Solid state disk
- C. Software state disk
- D. Simple state disk

Correct Answer: B. Solid state disk

Question No: 73

Repeated erasing slowly ____ the silicon dioxide chambers.

- A. Damages
- B. Enhance
- C. Increase
- D. Decrease

Correct Answer: A. Damages

Question No: 74

Leibniz's machines were achieved by observing the ____ positions.

- **A. Third gear**
- **B. First gear**
- **C. Final gear**
- **D. Second gear**

Correct Answer: D. Second gear

Question No: 75

If a client wants to execute some scripts at the server end and the server starts executing the script blindly, this may cause:

- **A. Security concerns on both the server and the client side**
- **B. Ethical concerns on the server side and security concern on the client side**
- **C. Ethical concerns on the client side and security concerns on the server side**
- **D. Ethical concerns on both the server and the client side**

Correct Answer: A. Security concerns on both the server and the client side

Question No: 76

The repetitive use of an instruction or sequence of instructions is an important algorithmic concept. One method of implementing such repetition is the iterative structure known as:

- **A. if-else**
- **B. loop**
- **C. Class**

Correct Answer: B. loop

Question No: 77

Bit patterns must move between the CPU and the main memory, between the CPU and each controller, and between each controller and:

- **A. ROM**
- **B. Main Memory**
- **C. Processor**
- **D. Cache memory**

Correct Answer: B. Main Memory

Question No: 78

Phase 1 of problem-solving steps is ____.

- **A. Formulate the algorithm and represent it as a program**
- **B. Evaluate the program for accuracy and for its potential as a tool for solving other problems**
- **C. Understand the Problem**
- **D. Get an idea of how an algorithmic function might solve the problem**

Correct Answer: C. Understand the Problem

Question No: 79

What is the full form of PHP?

- **A. Personal Home page**
- **B. Private Home page**
- **C. Protected Home Page**
- **D. Public Home page**

Correct Answer: A. Personal Home page

Question No: 80

Scheduler maintains a block of information of all processes in main memory in the ____ table.

- **A. Mac**
- **B. IP**
- **C. Process**
- **D. ASCII**

Correct Answer: C. Process

Question No: 81

TIFF is an abbreviation of ____.

- **A. Toggle Image File Format**
- **B. Template Image File Format**
- **C. Tagged Image File Frame**
- **D. Tagged Image File Format**

Correct Answer: D. Tagged Image File Format

Question No: 82

Connects computers over a large geographical area or world.

- **A. PAN**

- B. LAN
- C. WAN
- D. MAN

Correct Answer: C. WAN

Question No: 83

Which of the following is the correct sequence of network layers for the flow of a message at the sender side?

- A. Link layer → Network layer → Transport layer → Application layer
- B. Network layer → Link layer → Transport layer → Application layer
- C. Application layer → Link layer → Network layer → Transport layer
- D. Application layer → Transport layer → Network layer → Link layer

Correct Answer: D. Application layer → Transport layer → Network layer → Link layer

Question No: 84

Fact-2 $i=1$; $\text{Fact}=\text{fact}*1$; $i=i+1$; $\text{print}(\text{fact})$.

- A. 2
- B. 3
- C. 5
- D. 7

Correct Answer: A. 2

Question No: 85

A CPU consists of three parts:

- A. ALU, Control unit, Register
- B. ALU, MP3, CU
- C. CIRCUIT, MP3, ICU
- D. RAM, cache, D-RAM

Correct Answer: A. ALU, Control unit, Register

Question No: 86

One is that a CPU should be designed to execute a minimal set of machine instructions. This approach is called a ____.

- A. CISC
- B. RISC
- C. ENVIAC

- **D. RISC / CISC**

Correct Answer: B. RISC

Question No: 87

Each sound has a ____.

- **A. Pixel**
- **B. Geometric Structures**
- **C. Wave**
- **D. Scaling**

Correct Answer: C. Wave

Question No: 88

Which of the following languages is used for client-side scripting?

- **A. Python**
- **B. JavaScript**
- **C. PHP**
- **D. ASP.net**

Correct Answer: B. JavaScript

Question No: 89

Most codes used today are Huffman codes.

- **A. Relative encoding**
- **B. Frequency Dependent**
- **C. Run-length encoding**
- **D. Differential encoding**

Correct Answer: B. Frequency Dependent

Question No: 90

Refers to distributed systems that are more loosely coupled than clusters but that still work together to accomplish large tasks.

- Quantum computing
 - **Parallel computing**
 - Grid computing
 - Clod computing
-

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