

Exam Date : 12/09/2023

Time : 10:00 AM - 12:30 PM

Subject Name : Computer Science

Subject Code : 226

## Subject Question

## Question 1

What is the simplified expression for the Boolean function  $F(A, B, C, D) = \Sigma(0, 1, 2, 4, 5, 6, 8, 9, 10, 12, 13, 14)$  using the K-map method?

Answer :

- (A)  $A'B'C'D' + A'B'C'D + A'BC'D + AB'C'D + ABCD$
- (B)  $A'B'C'D' + A'BC'D + AB'C'D + ABC'D + ABCD$
- (C)  $A'B'C'D' + A'BC'D + ABC'D + ABCD$
- (D)  $A'B'C'D' + A'BC'D' + A'BCD + ABCD$

## Right Answer :

 $A'B'C'D' + A'B'C'D + A'BC'D + AB'C'D + ABCD$ 

## Question Id : 1

Option Id

- 1001
- 1002
- 1003
- 1004

## Right Option Id : 1001

## Question 2

In a PLA, what components are used to implement the combinational logic functions?

Answer :

- (A) AND gates and OR gates
- (B) NAND gates and XOR gates
- (C) NOR gates and XNOR gates
- (D) NOT gates and multiplexers

## Right Answer :

AND gates and OR gates

## Question Id : 55

Option Id

- 55001
- 55002
- 55003
- 55004

## Right Option Id : 55001

## Question 3

Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor?

Answer :

- (A) Shift register
- (B) Parallel register
- (C) Accumulator register
- (D) Counter register

## Right Answer :

Accumulator register

## Question Id : 54

Option Id

- 54001
- 54002
- 54003
- 54004

## Right Option Id : 54003

## Question 4

Which logic family uses both depletion and enhancement mode MOSFETs for its operation?

Answer :

- (A) TTL
- (B) ECL
- (C) PMOS
- (D) CMOS

## Right Answer :

CMOS

## Question Id : 53

Option Id

- 53001
- 53002
- 53003
- 53004

## Right Option Id : 53004

**Question 5**

What is the primary difference between ROM and RAM?

Answer :

- (A) ROM is faster than RAM
- (B) ROM is volatile, while RAM is non-volatile
- (C) ROM is used for data storage, while RAM is used for program execution
- (D) ROM stores permanent data that cannot be changed, while RAM stores temporary data that can be read and written

**Question Id : 52**

Option Id

- 52001
- 52002
- 52003
- 52004

**Right Answer :**

ROM stores permanent data that cannot be changed, while RAM stores temporary data that can be read and written

**Right Option Id : 52004****Question 6**

Given a Boolean function  $F(A, B, C) = \Sigma(0, 1, 2, 3, 5)$ , what is the expression in SOP form?

Answer :

- (A)  $A'B' + AB' + AB + AC$
- (B)  $A + B + C$
- (C)  $AB' + C'$
- (D)  $A'B'C'$

**Question Id : 51**

Option Id

- 51001
- 51002
- 51003
- 51004

**Right Answer :**

$A'B' + AB' + AB + AC$

**Right Option Id : 51001****Question 7**

If the sum of two positive binary numbers is 11010 and there is a carry-out from the MSB, what should be done to obtain the correct result?

Answer :

- (A) Discard the carry
- (B) Add the carry to the least significant bit (LSB)
- (C) Add the carry to the most significant bit (MSB)
- (D) Subtract the carry from the MSB

**Question Id : 50**

Option Id

- 50001
- 50002
- 50003
- 50004

**Right Answer :**

Add the carry to the least significant bit (LSB)

**Right Option Id : 50002****Question 8**

In binary multiplication using the simple method, what is the first step after aligning the digits and preparing for multiplication?

Answer :

- (A) Multiply the least significant bit (LSB) by the multiplier
- (B) Multiply the most significant bit (MSB) by the multiplier
- (C) Multiply the least significant bit (LSB) by the multiplicand
- (D) Multiply the most significant bit (MSB) by the multiplicand

**Question Id : 49**

Option Id

- 49001
- 49002
- 49003
- 49004

**Right Answer :**

Multiply the least significant bit (LSB) by the multiplier

**Right Option Id : 49001****Question 9**

What is the relationship between the distance between parity bits and their error detection and correction capability in Hamming Code?

**Question Id : 48**

Answer :

- (A) Closer parity bits provide higher error correction capability
- (B) Closer parity bits provide lower error correction capability
- (C) Distance between parity bits has no impact on error correction capability
- (D) The position of parity bits is irrelevant in Hamming Code

Option Id

- 48001
- 48002
- 48003
- 48004

**Right Answer :**

Closer parity bits provide lower error correction capability

**Right Option Id : 48002**

**Question 10**

To convert a Gray Code to its binary equivalent, which technique is commonly used?

Answer :

- (A) Subtraction method
- (B) Addition method
- (C) Exclusive OR (XOR) operation
- (D) Division method

**Question Id : 47**

Option Id

- 47001
- 47002
- 47003
- 47004

**Right Answer :**

Exclusive OR (XOR) operation

**Right Option Id : 47003**

**Question 11**

Which component of an ideal microcomputer is responsible for temporarily holding data and instructions during processing?

Answer :

- (A) CPU
- (B) ALU
- (C) Memory
- (D) Output devices

**Question Id : 46**

Option Id

- 46001
- 46002
- 46003
- 46004

**Right Answer :**

Memory

**Right Option Id : 46003**

**Question 12**

How is the width of the data bus typically measured in a microcomputer system?

Answer :

- (A) In kilobytes (KB)
- (B) In megahertz (MHz)
- (C) In bits
- (D) In address lines

**Question Id : 45**

Option Id

- 45001
- 45002
- 45003
- 45004

**Right Answer :**

In bits

**Right Option Id : 45003**

**Question 13**

Microcontrollers find application in various fields. What is a typical application of microcontrollers in the automotive industry?

Answer :

- (A) Operating systems for computers
- (B) Entertainment systems in airplanes
- (C) Engine control in cars

**Question Id : 44**

Option Id

- 44001
- 44002

44003

(D) Weather forecasting systems

44004

**Right Answer :**

Engine control in cars

**Right Option Id : 44003**

**Question 14**

Which data structure often results in a time-space tradeoff by using extra memory to speed up operations?

Answer :

(A) Arrays

(B) Linked lists

(C) Hash tables

(D) Stacks

**Question Id : 43**

Option Id

43001

43002

43003

43004

**Right Answer :**

Hash tables

**Right Option Id : 43003**

**Question 15**

Which term refers to the strategy of optimizing an algorithm's use of resources, often by making sacrifices in one aspect for improvements in another?

Answer :

(A) Greedy algorithm

(B) Divide and conquer

(C) Dynamic programming

(D) Tradeoff

**Question Id : 42**

Option Id

42001

42002

42003

42004

**Right Answer :**

Tradeoff

**Right Option Id : 42004**

**Question 16**

Conditional asymptotic notation allows for a more nuanced analysis of algorithm behavior under specific conditions. This is particularly useful when:

Answer :

(A) Analyzing algorithms with constant time complexity

(B) The input size is fixed

(C) The input data is random

(D) Algorithm behavior varies based on certain input characteristics

**Question Id : 41**

Option Id

41001

41002

41003

41004

**Right Answer :**

Algorithm behavior varies based on certain input characteristics

**Right Option Id : 41004**

**Question 17**

.If an algorithm's behavior is bounded by " $o(f(n))$  if  $g(n)$ ", what notation does it become when the condition is removed?

Answer :

(A)  $o(f(n))$

(B)  $o(g(n))$

(C)  $o(f(n) + g(n))$

(D)  $o(f(n) * g(n))$

**Question Id : 56**

Option Id

56001

56002

56003

56004

**Right Answer :**

$o(f(n))$

**Right Option Id : 56001**

**Question 18**

The recurrence equation  $T(n) = T(n/2) + 1$  represents the time complexity of which algorithmic paradigm?

Answer :

- (A) Divide and Conquer
- (B) Greedy Algorithms
- (C) Dynamic Programming
- (D) Brute Force

**Right Answer :**

Divide and Conquer

**Question Id : 57**

Option Id

57001

57002

57003

57004

**Right Option Id : 57001**

**Question 19**

Divide and Conquer is an algorithmic paradigm that solves problems by:

Answer :

- (A) Iteratively solving subproblems
- (B) Recursively solving subproblems
- (C) Using heuristics to find solutions
- (D) Greedily combining solutions

**Right Answer :**

Recursively solving subproblems

**Question Id : 58**

Option Id

58001

58002

58003

58004

**Right Option Id : 58002**

**Question 20**

A threaded binary tree is a binary tree in which:

Answer :

- (A) Each node has two children
- (B) Each node has at most one child
- (C) Each node is connected to its parent
- (D) Each node has a thread connecting it to its predecessor or successor

**Right Answer :**

Each node has a thread connecting it to its predecessor or successor

**Question Id : 67**

Option Id

67001

67002

67003

67004

**Right Option Id : 67004**

**Question 21**

Which traversal algorithm is typically implemented using a stack data structure?

Answer :

- (A) DFS
- (B) BFS
- (C) Both DFS and BFS
- (D) Neither DFS nor BFS

**Right Answer :**

DFS

**Question Id : 73**

Option Id

73001

73002

73003

73004

**Right Option Id : 73001**

**Question 22**

In a directed graph, an edge that points from vertex A to vertex B is denoted as:

Answer :

**Question Id : 72**

Option Id

(A) (A, B)

72001

(B) [A, B]

72002

(C) <A, B>

72003

(D) {A, B}

72004

**Right Answer :**

**Right Option Id : 72001**

(A, B)

**Question 23**

**Question Id : 71**

Separate chaining involves storing collided elements in separate data structures, typically in:

Answer :

Option Id

(A) Linked lists

71001

(B) Arrays

71002

(C) Stacks

71003

(D) Queues

71004

**Right Answer :**

**Right Option Id : 71001**

Linked lists

**Question 24**

**Question Id : 70**

Which collision resolution technique involves placing collided elements in the next available empty slot in the hash table?

Answer :

Option Id

(A) Linear probing

70001

(B) Quadratic probing

70002

(C) Separate chaining

70003

(D) Double hashing

70004

**Right Answer :**

**Right Option Id : 70001**

Linear probing

**Question 25**

**Question Id : 69**

In the Tower of Hanoi problem with "n" disks, how many moves are required to solve the problem?

Answer :

Option Id

(A) n

69001

(B) 2n

69002

(C)  $2^n - 1$

69003

(D)  $2^n$

69004

**Right Answer :**

**Right Option Id : 69003**

$2^n - 1$

**Question 26**

**Question Id : 68**

The process of removing recursion involves replacing recursive function calls with:

Answer :

Option Id

(A) More recursive function calls

68001

(B) Loops

68002

(C) Additional memory allocation

68003

(D) Non-recursive function calls

68004

**Right Answer :**

Loops

**Right Option Id : 68002**

**Question 27**

A formal model of protection in an operating system provides:

Answer :

(A) A mathematical framework for analyzing resource allocation

(B) Guidelines for designing user interfaces

(C) Methods for optimizing memory management

(D) Techniques for improving CPU utilization

**Question Id : 66**

Option Id

66001

66002

66003

66004

**Right Answer :**

A mathematical framework for analyzing resource allocation

**Right Option Id : 66001**

**Question 28**

In an operating system, a "buffer cache" is used to:

Answer :

(A) Store files in memory

(B) Store copies of frequently used files in memory

(C) Store the operating system kernel

(D) Store input/output devices

**Question Id : 59**

Option Id

59001

59002

59003

59004

**Right Answer :**

Store copies of frequently used files in memory

**Right Option Id : 59002**

**Question 29**

File manipulation operations in an operating system include:

Answer :

(A) Allocating memory to files

(B) Assigning file names to processes

(C) Loading files into CPU registers

(D) Reading, writing, and modifying file content

**Question Id : 65**

Option Id

65001

65002

65003

65004

**Right Answer :**

Reading, writing, and modifying file content

**Right Option Id : 65004**

**Question 30**

The I/O subsystem in an operating system is responsible for:

Answer :

(A) Allocating memory for processes

(B) Managing the file system

(C) Managing input/output operations between processes and input/output devices

(D) Allocating CPU time to processes

**Question Id : 64**

Option Id

64001

64002

64003

64004

**Right Answer :**

Managing input/output operations between processes and input/output devices

**Right Option Id : 64003**

**Question 31**

The primary goal of load control is to:

Answer :

- (A) Prevent processes from running concurrently
- (B) Avoid context switching between processes
- (C) Ensure that CPU time is evenly distributed among processes
- (D) Maximize the usage of virtual memory

**Right Answer :**

Ensure that CPU time is evenly distributed among processes

**Question Id : 63**

Option Id

 63001 63002 63003 63004**Right Option Id : 63003****Question 32**

The purpose of a page table in a paging system is to:

Answer :

- (A) Store pages of memory
- (B) Manage input/output operations
- (C) Translate virtual addresses to physical addresses
- (D) Store program instructions

**Right Answer :**

Translate virtual addresses to physical addresses

**Question Id : 62**

Option Id

 62001 62002 62003 62004**Right Option Id : 62003****Question 33**

In multiprogramming with fixed partitions, if a process requires more memory than is available in a partition, it may lead to:

Answer :

- (A) Fragmentation
- (B) Deadlock
- (C) Priority inversion
- (D) Starvation

**Right Answer :**

Fragmentation

**Question Id : 61**

Option Id

 61001 61002 61003 61004**Right Option Id : 61001****Question 34**

What is DBMS?

Answer :

- (A) DBMS is a collection of queries
- (B) ) DBMS is a high-level language
- (C) DBMS is a programming language
- (D) DBMS stores, modifies and retrieves data

**Right Answer :**

DBMS stores, modifies and retrieves data

**Question Id : 60**

Option Id

 60001 60002 60003 60004**Right Option Id : 60004****Question 35**

Which of the following is correct according to the technology deployed by DBMS?

**Question Id : 40**



Answer :

- (A) Pointers are used to maintain transactional integrity and consistency
- (B) Cursors are used to maintain transactional integrity and consistency
- (C) Locks are used to maintain transactional integrity and consistency
- (D) Triggers are used to maintain transactional integrity and consistency

Option Id

- 40001
- 40002
- 40003
- 40004

**Right Answer :**

Locks are used to maintain transactional integrity and consistency

**Right Option Id : 40003**

**Question 36**

The term "NTFS" refers to which one of the following?

Answer :

- (A) New Technology File System
- (B) New Tree File System
- (C) New Table type File System
- (D) Both A and C

**Question Id : 39**

Option Id

- 39001
- 39002
- 39003
- 39004

**Right Answer :**

New Technology File System

**Right Option Id : 39001**

**Question 37**

Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sub-entities?

Answer :

- (A) Aggregation
- (B) Generalization
- (C) Specialization
- (D) All of the above

**Question Id : 38**

Option Id

- 38001
- 38002
- 38003
- 38004

**Right Answer :**

Specialization

**Right Option Id : 38003**

**Question 38**

The term "DFD" stands for?

Answer :

- (A) Data file diagram
- (B) Data flow document
- (C) Data flow diagram
- (D) None of the above

**Question Id : 37**

Option Id

- 37001
- 37002
- 37003
- 37004

**Right Answer :**

Data flow diagram

**Right Option Id : 37003**

**Question 39**

The term "FAT" is stands for\_\_\_\_\_

Answer :

- (A) File Allocation Tree
- (B) File Allocation Table
- (C) File Allocation Graph

**Question Id : 17**

Option Id

- 17001
- 17002
- 17003

(D) All of the above

17004

**Right Answer :**

File Allocation Table

**Right Option Id : 17002**

**Question 40**

The term "Data" refers to:

Answer :

(A) The electronic representation of the information(or data)

(B) Basic information

(C) Row Facts and figures

(D) Both A and C

**Question Id : 16**

Option Id

16001

16002

16003

16004

**Right Answer :**

Row Facts and figures

**Right Option Id : 16003**

**Question 41**

What is the primary function of routing in the network layer?

Answer :

(A) Data framing

(B) Error correction

(C) Finding the best path for data

(D) Flow control

**Question Id : 15**

Option Id

15001

15002

15003

15004

**Right Answer :**

Finding the best path for data

**Right Option Id : 15003**

**Question 42**

What is a socket in the context of process-to-process communication?

Answer :

(A) A hardware device for data transmission

(B) A software interface for network communication

(C) A type of cable used for high-speed data transmission

(D) type of network topology

**Question Id : 14**

Option Id

14001

14002

14003

14004

**Right Answer :**

A software interface for network communication

**Right Option Id : 14002**

**Question 43**

Data transmission using multiple pathways simultaneously is known as:

Answer :

(A) Parallel Transmission

(B) Serial Transmission

(C) Duplex Transmission

(D) Half-duplex Transmission

**Question Id : 13**

Option Id

13001

13002

13003

13004

**Right Answer :**

Parallel Transmission

**Right Option Id : 13001**

**Question 44**

Which of the following is NOT a network topology?

Answer :

- (A) Star
- (B) Ring
- (C) Disk
- (D) Mesh

**Right Answer :**

Disk

**Question Id : 12**

Option Id

- 12001
- 12002
- 12003
- 12004

**Right Option Id : 12003**

**Question 45**

Contention-based MAC protocols are commonly used in:

Answer :

- (A) Ethernet networks
- (B) Token Ring networks
- (C) ATM networks
- (D) Point-to-Point networks

**Right Answer :**

Ethernet networks

**Question Id : 11**

Option Id

- 11001
- 11002
- 11003
- 11004

**Right Option Id : 11001**

**Question 46**

Routing involves:

Answer :

- (A) Dividing data into frames
- (B) Managing flow control
- (C) Determining the best path for data packets
- (D) Correcting errors in data transmission

**Right Answer :**

Determining the best path for data packets

**Question Id : 10**

Option Id

- 10001
- 10002
- 10003
- 10004

**Right Option Id : 10003**

**Question 47**

What is the purpose of ARP (Address Resolution Protocol)?

Answer :

- (A) To assign IP addresses to devices
- (B) To resolve domain names to IP addresses
- (C) To map MAC addresses to IP addresses
- (D) To manage network congestion

**Right Answer :**

To map MAC addresses to IP addresses

**Question Id : 9**

Option Id

- 9001
- 9002
- 9003
- 9004

**Right Option Id : 9003**

**Question 48**

Which software life cycle model allows for iterative development and incorporates risk analysis?

Answer :

**Question Id : 8**

Option Id

- (A) Waterfall model
- (B) Prototype model
- (C) Spiral model
- (D) Agile model

- 8001
- 8002
- 8003
- 8004

**Right Answer :**

Spiral model

**Right Option Id : 8003**

**Question 49**

What is the main goal of software quality assurance?

Answer :

- (A) To eliminate all defects from the software
- (B) To ensure the software is defect-free before release
- (C) To establish and enforce standards and processes to improve software quality
- (D) To test software under different conditions

**Question Id : 7**

Option Id

- 7001
- 7002
- 7003
- 7004

**Right Answer :**

To establish and enforce standards and processes to improve software quality

**Right Option Id : 7003**

**Question 50**

Reverse engineering is primarily used for:

Answer :

- (A) Creating new software from scratch
- (B) Improving software performance
- (C) Understanding and documenting existing software
- (D) Testing software components

**Question Id : 6**

Option Id

- 6001
- 6002
- 6003
- 6004

**Right Answer :**

Understanding and documenting existing software

**Right Option Id : 6003**

**Question 51**

Which testing approach involves testing individual components or units of code?

Answer :

- (A) Integration Testing
- (B) System Testing
- (C) Unit Testing
- (D) Acceptance Testing

**Question Id : 5**

Option Id

- 5001
- 5002
- 5003
- 5004

**Right Answer :**

Unit Testing

**Right Option Id : 5003**

**Question 52**

What is the main goal of System Testing?

Answer :

- (A) Testing individual components in isolation
- (B) Testing the integration between different software components
- (C) Testing software functionality from the user's perspective

**Question Id : 4**

Option Id

- 4001
- 4002
- 4003

(D) Identifying defects in the source code

4004

**Right Answer :**

Testing software functionality from the user's perspective

**Right Option Id : 4003**

**Question 53**

Which metric is used for estimating the size of a software project?

Answer :

(A) Cyclomatic Complexity

(B) Function Points (FP)

(C) Defect Density

(D) Software Reliability Index

**Question Id : 3**

Option Id

3001

3002

3003

3004

**Right Answer :**

Function Points (FP)

**Right Option Id : 3002**

**Question 54**

What is the purpose of staffing level estimation in software project management?

Answer :

(A) To determine the number of hardware components required

(B) To identify potential risks in the project

(C) To allocate appropriate resources to the project

(D) To estimate the maintenance costs of the software

**Question Id : 18**

Option Id

18001

18002

18003

18004

**Right Answer :**

To identify potential risks in the project

**Right Option Id : 18002**

**Question 55**

Which keyword is used to create an instance of a class in most programming languages?

Answer :

(A) alloc

(B) new

(C) create

(D) instance

**Question Id : 2**

Option Id

2001

2002

2003

2004

**Right Answer :**

new

**Right Option Id : 2002**

**Question 56**

What is an abstract class in OOP?

Answer :

(A) A class with no methods

(B) A class that cannot be instantiated

(C) A class that can only have private members

(D) A class that cannot have methods with parameters

**Question Id : 19**

Option Id

19001

19002

19003

19004

**Right Answer :**

A class that cannot be instantiated

**Right Option Id : 19002**

**Question 57**

What is the purpose of the "super" keyword in Java and other similar languages?

Answer :

- (A) It refers to the superclass in inheritance
- (B) It creates a new object instance
- (C) It defines a new class
- (D) It handles exceptions

**Right Answer :**

It refers to the superclass in inheritance

**Question Id : 21**

Option Id

- 21001
- 21002
- 21003
- 21004

**Right Option Id : 21001****Question 58**

Which of the following best defines a class?

Answer :

- (A) An instance of an object
- (B) A blueprint for creating objects
- (C) A variable holding data
- (D) A function with a return value

**Right Answer :**

A blueprint for creating objects

**Question Id : 36**

Option Id

- 36001
- 36002
- 36003
- 36004

**Right Option Id : 36002****Question 59**

Which principle ensures that only essential information is visible to the outside world?

Answer :

- (A) Polymorphism
- (B) Information hiding
- (C) Encapsulation
- (D) Abstraction

**Right Answer :**

Information hiding

**Question Id : 35**

Option Id

- 35001
- 35002
- 35003
- 35004

**Right Option Id : 35002****Question 60**

What is the main purpose of inheritance in OOP?

Answer :

- (A) To create instances of classes
- (B) To prevent data abstraction
- (C) To establish a parent-child relationship between classes
- (D) To define exceptions

**Right Answer :**

To establish a parent-child relationship between classes

**Question Id : 34**

Option Id

- 34001
- 34002
- 34003
- 34004

**Right Option Id : 34003****Question 61**

What are abstract methods?

Answer :

**Question Id : 33**

Option Id

(A) Methods that are inaccessible to the outside world

33001

(B) Methods that have implementation details

33002

(C) Methods without a body, defined in an abstract class

33003

(D) Methods that cannot be inherited

33004

**Right Answer :**

Methods without a body, defined in an abstract class

**Right Option Id : 33003**

**Question 62**

Which protocol is commonly used for sending emails?

Answer :

(A) .HTTPS

Option Id

32001

(B) FTP

32002

(C) SMTP

32003

(D) TCP

32004

**Right Answer :**

SMTP

**Right Option Id : 32003**

**Question 63**

What does CSS stand for?

Answer :

(A) Cascading Style System

Option Id

31001

(B) Creative Styling Script

31002

(C) Computer Style Sheets

31003

(D) Cascading Style Sheets

31004

**Right Answer :**

Cascading Style Sheets

**Right Option Id : 31004**

**Question 64**

Which library simplifies JavaScript tasks like HTML document traversal and manipulation?

Answer :

(A) JavaFX

Option Id

30001

(B) Bootstrap

30002

(C) React

30003

(D) jQuery

30004

**Right Answer :**

jQuery

**Right Option Id : 30004**

**Question 65**

What does AJAX stand for?

Answer :

(A) Asynchronous JavaScript and XML

Option Id

29001

(B) Automated JavaScript and XHTML

29002

(C) Advanced JavaScript and XML

29003

**Question Id : 29**

(D) Asynchronous JSON and XHTML

29004

**Right Answer :**

Asynchronous JavaScript and XML

**Right Option Id : 29001**

**Question 66**

How does the DOM tree structure reflect the hierarchy of HTML elements?

Answer :

(A) In alphabetical order

(B) Based on the element's size

(C) In a parent-child relationship

(D) According to the element's color

**Question Id : 28**

Option Id

28001

28002

28003

28004

**Right Answer :**

In a parent-child relationship

**Right Option Id : 28003**

**Question 67**

In XML, which attribute is used to uniquely identify an element?

Answer :

(A) id

(B) class

(C) name

(D) tag

**Question Id : 27**

Option Id

27001

27002

27003

27004

**Right Answer :**

id

**Right Option Id : 27001**

**Question 68**

The Kleene Star operation accepts the following string of finite length over set  $A = \{0,1\}$  | where string  $s$  contains even number of 0 and 1.

Answer :

(A) 01, 0011, 010101

(B) 0011, 11001100

(C)  $\epsilon$ , 0011, 11001101

(D)  $\epsilon$ , 0011, 11001100

**Question Id : 26**

Option Id

26001

26002

26003

26004

**Right Answer :**

$\epsilon$ , 0011, 11001100

**Right Option Id : 26004**

**Question 69**

A Language for which DFA exist is a\_\_\_\_\_

Answer :

(A) Regular Language

(B) Non-Regular Language

(C) Any language

(D) Cannot be said

**Question Id : 25**

Option Id

25001

25002

25003

25004

**Right Answer :**

Regular Language

**Right Option Id : 25001**



**Question 70**

Let  $u = '1101'$ ,  $v = '0001'$ , then  $uv = 11010001$  and  $vu = 00011101$ . Using the given information what is the identity element for the string?

Answer :

- (A)  $u^{-1}$
- (B)  $v^{-1}$
- (C)  $u^{-1}v^{-1}$
- (D)  $\epsilon$

**Right Answer :**

$\epsilon$

**Question Id : 24**

Option Id

- 24001
- 24002
- 24003
- 24004

**Right Option Id : 24004**

**Question 71**

For a DFA accepting binary numbers whose decimal equivalent is divisible by 3, what are all the possible remainders?

Answer :

- (A) 0
- (B) 0,2
- (C) 0,1,2
- (D) 0,1,2,3

**Right Answer :**

0,1,2

**Question Id : 23**

Option Id

- 23001
- 23002
- 23003
- 23004

**Right Option Id : 23003**

**Question 72**

Minimum Number of states require to accept string ends with 101.

Answer :

- (A) 3
- (B) 2
- (C) 1
- (D) can't be represented

**Right Answer :**

2

**Question Id : 22**

Option Id

- 22001
- 22002
- 22003
- 22004

**Right Option Id : 22002**

**Question 73**

If NFA of 5 states excluding the initial state is converted into DFA, maximum possible number of states for the DFA is?

Answer :

- (A) 64
- (B) 32
- (C) 128
- (D) 187

**Right Answer :**

64

**Question Id : 74**

Option Id

- 74001
- 74002
- 74003
- 74004

**Right Option Id : 74001**

**Question 74**

The class of CFG is not closed under

Answer :

- (A) Concatenation

**Question Id : 20**

Option Id

(B) Intersection

2001

(C) Union

2002

(D) Repeated Concatenation.

2003

2004

**Right Answer :**

Repeated Concatenation.

**Right Option Id : 20004**

**Question 75**

Which among the following is not true about IoT?

Answer :

(A) IoT uses Micro Controllers

(B) IoT is fully safe

(C) IoT uses Sensors and Actuators

(D) IoT uses wireless technology

**Question Id : 75**

Option Id

75001

75002

75003

75004

**Right Answer :**

IoT is fully safe

**Right Option Id : 75002**

**Question 76**

About IoT, which among the followings is not correct?

Answer :

(A) Light sensor is analog

(B) microphone is a digital sensor

(C) Keyboard is a digital sensor

(D) Push button is a digital Sensor

**Question Id : 78**

Option Id

78001

78002

78003

78004

**Right Answer :**

microphone is a digital sensor

**Right Option Id : 78002**

**Question 77**

BLE stands for

Answer :

(A) Bluetooth large energy

(B) Bluetooth low energy

(C) Bluetooth light energy

(D) Bluetooth long energy

**Question Id : 92**

Option Id

92001

92002

92003

92004

**Right Answer :**

Bluetooth low energy

**Right Option Id : 92002**

**Question 78**

WSN stands for?

Answer :

(A) Wireless Standard Protocol

(B) Wireless Sensor Protocol

(C) Wireless Serial Protocol

(D) Wireless Single Protocol

**Question Id : 93**

Option Id

93001

93002

93003

93004

**Right Answer :**

Wireless Sensor Protocol

**Right Option Id : 93002**

**Question 79**

A complex SCADA system has \_\_\_\_\_ levels?

Answer :

(A) 6

(B) 5

(C) 3

(D) 4

**Question Id : 94**

Option Id

94001

94002

94003

94004

**Right Answer :**

4

**Right Option Id : 94004**

**Question 80**

What is the role of the MISO pin in the RFID Module?

Answer :

(A) Master In Slave Out

(B) Manage Internal Slave Output

(C) Master Internal Search Optimization

(D) Manage Input Slave Op

**Question Id : 97**

Option Id

97001

97002

97003

97004

**Right Answer :**

Master In Slave Out

**Right Option Id : 97001**

**Question 81**

Who is known as the father of AI?

Answer :

(A) Fisher Ada

(B) Alan Turing

(C) John McCarthy

(D) Allen Newell

**Question Id : 96**

Option Id

96001

96002

96003

96004

**Right Answer :**

John McCarthy

**Right Option Id : 96003**

**Question 82**

Programming language commonly used for AI is\_\_\_?

Answer :

(A) Lisp

(B) Perl

(C) Prolog

(D) C++

**Question Id : 91**

Option Id

91001

91002

91003

91004

**Right Answer :**

Perl

**Right Option Id : 91002**

**Question 83**

The algorithm used in the Game tree to make decisions of Win/Lose is \_\_\_\_\_?

Answer :

- (A) Heuristic Search Algorithm
- (B) DFS/ BFL algorithm
- (C) Greedy Search algorithm
- (D) Min/Max algorithm

**Right Answer :**

Min/Max algorithm

**Question Id : 98**

Option Id

- 98001
- 98002
- 98003
- 98004

**Right Option Id : 98004**

**Question 84**

Uniform-cost search expands the node n with the \_\_\_\_\_

Answer :

- (A) Lowest path cost
- (B) Heuristic cost
- (C) Highest path cost
- (D) Average path cost

**Right Answer :**

Lowest path cost

**Question Id : 99**

Option Id

- 99001
- 99002
- 99003
- 99004

**Right Option Id : 99001**

**Question 85**

The process of removing detail from a given state representation is called \_\_\_\_\_

Answer :

- (A) Extraction
- (B) Abstraction
- (C) Data Mining
- (D) Information Retrieval

**Right Answer :**

Abstraction

**Question Id : 100**

Option Id

- 100001
- 100002
- 100003
- 100004

**Right Option Id : 100002**

**Question 86**

What does a first order predicate logic contain?

Answer :

- (A) Predicate and a subject
- (B) Predicate and a Preposition
- (C) Subject and an object
- (D) None of the above

**Right Answer :**

Predicate and a subject

**Question Id : 95**

Option Id

- 95001
- 95002
- 95003
- 95004

**Right Option Id : 95001**

**Question 87**

Which of the following can improve the performance of AI agent?

Answer :

- (A) Precision

**Question Id : 90**

Option Id

- 90001

- (B) Learning  90002
- (C) Observing  90003
- (D) All of the above  90004

**Right Answer :**

Learning

**Right Option Id : 90002**

**Question 88**

Which of the following is part of the four main types for e-commerce?

Answer :

- (A) B2B
- (B) B2C
- (C) C2B
- (D) All of the above

**Right Answer :**

All of the above

**Question Id : 77**

Option Id

- 77001
- 77002
- 77003
- 77004

**Right Option Id : 77004**

**Question 89**

What is the process in which a buyer posts its interest in buying a certain quantity of items, and sellers compete for the business by submitting successively lower bids until there is only one seller left?

Answer :

- (A) B2B Marketplace
- (B) Auction
- (C) Reverse Auction
- (D) Intranet

**Right Answer :**

Reverse Auction

**Question Id : 88**

Option Id

- 88001
- 88002
- 88003
- 88004

**Right Option Id : 88003**

**Question 90**

If it is easy for competitors to enter the market, the threat of new entrants is considered:

Answer :

- (A) Low
- (B) High
- (C) Moderate
- (D) Negligible

**Right Answer :**

High

**Question Id : 87**

Option Id

- 87001
- 87002
- 87003
- 87004

**Right Option Id : 87002**

**Question 91**

Which of the following refers to creating products tailored to individual customers?

Answer :

- (A) Customization
- (B) Adaptation
- (C) Direct material
- (D) Auction

**Question Id : 89**

Option Id

- 89001
- 89002
- 89003

89004

**Right Answer :**

Customization

**Right Option Id : 89001**

**Question 92**

Which form of e-marketplace brings together buyers and sellers from the same industry?

Answer :

(A) Horizontal

(B) Vertical

(C) integrated

(D) isolated

**Question Id : 86**

Option Id

86001

86002

86003

86004

**Right Answer :**

Vertical

**Right Option Id : 86002**

**Question 93**

Which of the following is done by Secure Sockets Layers?

Answer :

(A) creates a secure, private connection to a web server

(B) Encrypts information

(C) Sends information over the internet

(D) All of the above

**Question Id : 85**

Option Id

85001

85002

85003

85004

**Right Answer :**

All of the above

**Right Option Id : 85004**

**Question 94**

The delay that occur during the playback of a stream is called \_\_\_\_\_

Answer :

(A) Stream delay

(B) Playback delay

(C) Jitter

(D) Event delay

**Question Id : 84**

Option Id

84001

84002

84003

84004

**Right Answer :**

Jitter

**Right Option Id : 84003**

**Question 95**

In teardown state of real time streaming protocol is \_\_\_\_\_

Answer :

(A) the server resources for client

(B) server delivers the stream to client

(C) server suspends delivery of stream

(D) server breaks down the connection

**Question Id : 76**

Option Id

76001

76002

76003

76004

**Right Answer :**

server breaks down the connection

**Right Option Id : 76004**

**Question 96**

In Real Time Interactive Audio Video, Jitter is introduced in real-time data by delay between\_\_\_\_

Answer :

- (A) pixels
- (B) layers
- (C) frames
- (D) packets

**Right Answer :**

packets

**Question Id : 83**

Option Id

- 83001
- 83002
- 83003
- 83004

**Right Option Id : 83004**

**Question 97**

In Audio and Video Compression, voice is sampled at 8000 samples per second with\_\_\_\_\_

Answer :

- (A) 8 bits per sample
- (B) 5 bits per sample
- (C) 7 bits per sample
- (D) 6 bits per sample

**Right Answer :**

8 bits per sample

**Question Id : 82**

Option Id

- 82001
- 82002
- 82003
- 82004

**Right Option Id : 82001**

**Question 98**

Audio compression can be used for\_\_\_\_\_

Answer :

- (A) voice and data
- (B) video and voice
- (C) speech or music
- (D) picture and colors

**Right Answer :**

speech or music

**Question Id : 81**

Option Id

- 81001
- 81002
- 81003
- 81004

**Right Option Id : 81003**

**Question 99**

Each \_\_\_ represents a particular colour.

Answer :

- (A) Frame
- (B) Character
- (C) Pixel value
- (D) None of the above

**Right Answer :**

Pixel value

**Question Id : 80**

Option Id

- 80001
- 80002
- 80003
- 80004

**Right Option Id : 80003**

**Question 100**

\_\_\_\_\_ is basically a form of pictorial presentation.

Answer :

- (A) Photography

**Question Id : 79**

Option Id

- 79001

(B) Animations

79002

(C) Drawing

79003

(D) Creativity

79004

**Right Answer :**

Animations

**Right Option Id : 79002**

### Art Of Teaching

#### Question 101

The main aim of classroom teaching is

Answer :

(A) to give information

(B) help to pass examination

(C) syllabus coverage

(D) to develop personality

**Question Id : 120**

Option Id

120001

120002

120003

120004

**Right Answer :**

to develop personality

**Right Option Id : 120004**

#### Question 102

To ensure participation of students we use

Answer :

(A) demonstration

(B) little man's lecture

(C) discussion

(D) illustration

**Question Id : 121**

Option Id

121001

121002

121003

121004

**Right Answer :**

discussion

**Right Option Id : 121003**

#### Question 103

learning through independent effort is

Answer :

(A) autonomous learning

(B) autocratic learning

(C) democratic learning

(D) all the above

**Question Id : 125**

Option Id

125001

125002

125003

125004

**Right Answer :**

autonomous learning

**Right Option Id : 125001**

#### Question 104

Aims

Answer :

(A) may include abstract concepts

(B) difficult to measure

(C) may include appreciation

**Question Id : 123**

Option Id

123001

123002

123003



(D) All the above

123004

**Right Answer :**

All the above

**Right Option Id : 123004**

**Question 105**

psychomotor domain relates to

Answer :

(A) map making

(B) project making

(C) playing

(D) all the above

**Question Id : 124**

Option Id

124001

124002

124003

124004

**Right Answer :**

all the above

**Right Option Id : 124004**

**Question 106**

Heuristic means

Answer :

(A) to investigate

(B) to show

(C) to do

(D) to act

**Question Id : 119**

Option Id

119001

119002

119003

119004

**Right Answer :**

to investigate

**Right Option Id : 119001**

**Question 107**

Armstrong gifted teaching with

Answer :

(A) Project method

(B) heuristic method

(C) team teaching

(D) blended method

**Question Id : 117**

Option Id

117001

117002

117003

117004

**Right Answer :**

heuristic method

**Right Option Id : 117002**

**Question 108**

Set induction relates to

Answer :

(A) previous knowledge

(B) new knowledge

(C) specific objectives

(D) statement of aim

**Question Id : 126**

Option Id

126001

126002

126003

126004

**Right Answer :**

previous knowledge

**Right Option Id : 126001**

**Question 109**

Diadactic teaching materials was introduced by

Answer :

- (A) Pestalozzi
- (B) froebel
- (C) Montessori
- (D) Dewey

**Right Answer :**

Montessori

**Question Id : 127**

Option Id

- 127001
- 127002
- 127003
- 127004

**Right Option Id : 127003**

**Question 110**

The centre point of a lesson plan is

Answer :

- (A) principal
- (B) teacher
- (C) student
- (D) none of the above

**Right Answer :**

student

**Question Id : 128**

Option Id

- 128001
- 128002
- 128003
- 128004

**Right Option Id : 128003**

**Question 111**

According to Howard Gardner, a philosopher has ..... Type of intelligence and a sculptor has more ..... type of intelligence.

Answer :

- (A) interpersonal; linguistic
- (B) linguistic; interpersonal
- (C) spatial; intrapersonal
- (D) intrapersonal; spatial

**Right Answer :**

intrapersonal; spatial

**Question Id : 129**

Option Id

- 129001
- 129002
- 129003
- 129004

**Right Option Id : 129004**

**Question 112**

Which of the following is an example of an internal attribution for failure?

Answer :

- (A) I failed the test because my friends were distracting me.
- (B) I received a low grade because the teacher is a tough grader.
- (C) I failed the test because I didn't study enough.
- (D) I didn't get good marks because the teacher was biased.

**Right Answer :**

I failed the test because I didn't study enough.

**Question Id : 108**

Option Id

- 108001
- 108002
- 108003
- 108004

**Right Option Id : 108003**

**Question 113**

Which of the following is an example of a question that requires students to reflect on their own thinking?

Answer :

- (A) how has your thinking about the use of verbs changed since the beginning of the class ?

**Question Id : 130**

Option Id

(B) what is the relationship between nouns and verbs in a sentence?

130001

(C) what is the definition of a verb?

130002

(D) how do you change a verb to the present tense?

130003

130004

**Right Answer :**

how has your thinking about the use of verbs changed since the beginning of the class ?

**Right Option Id : 130001**

**Question 114**

Micro teaching is more effective

Answer :

(A) always

(B) after the teaching-practice

(C) during the teaching-practice

(D) during the preparation for teaching-practice

**Question Id : 122**

Option Id

122001

122002

122003

122004

**Right Answer :**

during the teaching-practice

**Right Option Id : 122003**

**Question 115**

Which of the following are the characteristics of a person with scientific attitude?

Answer :

(A) Brevity

(B) Objectivity

(C) Adventure

(D) Sharp memory

**Question Id : 118**

Option Id

118001

118002

118003

118004

**Right Answer :**

Objectivity

**Right Option Id : 118002**

**Question 116**

Library man Provide

Answer :

(A) Physical material

(B) Digital material

(C) Both A & B

(D) None of these

**Question Id : 115**

Option Id

115001

115002

115003

115004

**Right Answer :**

Both A & B

**Right Option Id : 115003**

**Question 117**

Which of the following components are essential for library?

Answer :

(A) Learning

(B) Walking

(C) Playing

**Question Id : 116**

Option Id

116001

116002

116003

(D) None of these

116004

**Right Answer :**

Learning

**Right Option Id : 116001**

**Question 118**

A teacher should ask-

Answer :

(A) meaningful question

(B) maximum number of question in a fixed time

(C) as many question as possible

(D) None of these

**Question Id : 101**

Option Id

101001

101002

101003

101004

**Right Answer :**

meaningful question

**Right Option Id : 101001**

**Question 119**

Which of the following important cause of failure for teacher?

Answer :

(A) interpersonal relationship

(B) verbal ability

(C) lack of command over the knowledge of subject

(D) None of the above

**Question Id : 102**

Option Id

102001

102002

102003

102004

**Right Answer :**

lack of command over the knowledge of subject

**Right Option Id : 102003**

**Question 120**

Teacher should master during his teaching period

Answer :

(A) in one of the teaching method

(B) equally across all teaching method

(C) Both A & B

(D) None of these

**Question Id : 104**

Option Id

104001

104002

104003

104004

**Right Answer :**

equally across all teaching method

**Right Option Id : 104002**

**Question 121**

Knowledge is-

Answer :

(A) Information

(B) Application

(C) Analysis

(D) Understanding

**Question Id : 105**

Option Id

105001

105002

105003

105004

**Right Answer :**

Information

**Right Option Id : 105001**

**Question 122**

Formative evaluation is conducted

Answer :

- (A) After the teaching learning process
- (B) Before the teaching learning process
- (C) During the teaching learning process
- (D) All of the above

**Right Answer :**

During the teaching learning process

**Question Id : 106**

Option Id

- 106001
- 106002
- 106003
- 106004

**Right Option Id : 106003****Question 123**

Which technique is used for evaluation of interest?

Answer :

- (A) Observation technique
- (B) Check list
- (C) Rating scale
- (D) Projective Technique

**Right Answer :**

Rating scale

**Question Id : 107**

Option Id

- 107001
- 107002
- 107003
- 107004

**Right Option Id : 107003****Question 124**

Which of the following is not a type of curriculum design?

Answer :

- (A) Subject-centered
- (B) Problem Centered
- (C) Learner-Centered
- (D) Teacher-Centered

**Right Answer :**

Teacher-Centered

**Question Id : 103**

Option Id

- 103001
- 103002
- 103003
- 103004

**Right Option Id : 103004****Question 125**

Which of the following is not the nature of curriculum?

Answer :

- (A) Critical
- (B) Creative
- (C) Conservative
- (D) Active

**Right Answer :**

Active

**Question Id : 109**

Option Id

- 109001
- 109002
- 109003
- 109004

**Right Option Id : 109004****Question 126**

The biggest challenge before democracy is -

Answer :

- (A) Fundamentalism

**Question Id : 110**

Option Id

- (B) Castism
- (C) Regionalism
- (D) All the above

- 110001
- 110002
- 110003
- 110004

**Right Answer :**  
Fundamentalism

**Right Option Id : 110001**

**Question 127**

A teacher should behave with all the students as -

Answer :

- (A) as a friend
- (B) as a master
- (C) equally
- (D) personally

**Question Id : 111**

Option Id

- 111001
- 111002
- 111003
- 111004

**Right Answer :**  
as a friend

**Right Option Id : 111001**

**Question 128**

Failure can be our best teacher if-

Answer :

- (A) we work harder than before
- (B) we know the reasons of failure
- (C) we know the reasons of failure and then being encouraged we work harder than before
- (D) none of the above

**Question Id : 112**

Option Id

- 112001
- 112002
- 112003
- 112004

**Right Answer :**  
we know the reasons of failure and then being encouraged we work harder than before

**Right Option Id : 112003**

**Question 129**

Chal-Board is a kind of teaching aid-

Answer :

- (A) Visual
- (B) Audio
- (C) Audio-Visual
- (D) All of the above

**Question Id : 113**

Option Id

- 113001
- 113002
- 113003
- 113004

**Right Answer :**  
Visual

**Right Option Id : 113001**

**Question 130**

Television is

Answer :

- (A) Visual aid
- (B) Audio-visual aid
- (C) Audio aid

**Question Id : 114**

Option Id

- 114001
- 114002
- 114003

(D) None of the above

114004

**Right Answer :**

Audio-visual aid

**Right Option Id : 114002**

### Other Skills

#### Question 131

There were widespread rises against the British in the 1820s. Which one of the following did not revolt in the 1820s?

Answer :

- (A) Santhals
- (B) Ahoms
- (C) Pagal Panthis
- (D) Ramosi

**Question Id : 149**

Option Id

- 149001
- 149002
- 149003
- 149004

**Right Answer :**

Santhals

**Right Option Id : 149001**

#### Question 132

If the Sun rises at Tirap in Arunachal Pradesh at 5.00 am (IST), then when (IST) the Sun will rise in Kandla, Gujarat?

Answer :

- (A) About 5.00 a.m.
- (B) About 6.20 a.m.
- (C) About 7.30 a.m.
- (D) About 7.00 a.m.

**Question Id : 148**

Option Id

- 148001
- 148002
- 148003
- 148004

**Right Answer :**

About 7.00 a.m.

**Right Option Id : 148004**

#### Question 133

What is the maximum investment by any single investor in an Indian company?

Answer :

- (A) 10%
- (B) 15%
- (C) 20%
- (D) 25%

**Question Id : 147**

Option Id

- 147001
- 147002
- 147003
- 147004

**Right Answer :**

10%

**Right Option Id : 147001**

#### Question 134

Who among the following was not related to Champaran Satyagraha?

Answer :

- (A) Dr. Rajendra Prasad
- (B) Anugrah Narayan Singh
- (C) JB Kriplani
- (D) Jai Prakash Narayan

**Question Id : 146**

Option Id

- 146001
- 146002
- 146003
- 146004

**Right Answer :**

Jai Prakash Narayan

**Right Option Id : 146004**

**Question 135**

Visva-Bharati University, which was seen in the news recently, is located in which state?

Answer :

- (A) Uttar Pradesh
- (B) Bihar
- (C) West Bengal
- (D) Odisha

**Right Answer :**

West Bengal

**Question Id : 145**

Option Id

- 145001
- 145002
- 145003
- 145004

**Right Option Id : 145003**

**Question 136**

Rama plays cricket with his friends every evening. Which energy does he use to play cricket?

Answer :

- (A) Sound energy
- (B) Light energy
- (C) Chemical energy
- (D) Muscular energy

**Right Answer :**

Muscular energy

**Question Id : 144**

Option Id

- 144001
- 144002
- 144003
- 144004

**Right Option Id : 144004**

**Question 137**

Which one of the following is 'sticky rice' and is a common variety of rice in Assam?

Answer :

- (A) Ponni rice
- (B) Bora rice
- (C) Arborio rice
- (D) Bomba rice

**Right Answer :**

Bora rice

**Question Id : 143**

Option Id

- 143001
- 143002
- 143003
- 143004

**Right Option Id : 143002**

**Question 138**

When we burn fuels, we get :

Answer :

- (A) Light and sound energy
- (B) Only light energy
- (C) Heat and light energy
- (D) Mechanical and Light energy

**Right Answer :**

Heat and light energy

**Question Id : 142**

Option Id

- 142001
- 142002
- 142003
- 142004

**Right Option Id : 142003**

**Question 139**

Consider the following statements about snakes and identify the Incorrect one from the following:

**Question Id : 141**



Answer :

- (A) They chew up their prey
- (B) They swallow their food whole
- (C) Snakes have sharp teeth
- (D) Poisonous snakes have fangs.

Option Id

- 141001
- 141002
- 141003
- 141004

**Right Answer :**

They chew up their prey

**Right Option Id : 141001**

**Question 140**

With respect to Gujarat, the locations of Uttar Pradesh and Andhra Pradesh, respectively, are:

Answer :

- (A) North-West; South-East
- (B) North-West; South-West
- (C) North-East; South-West
- (D) North-East; South-East

**Question Id : 131**

Option Id

- 131001
- 131002
- 131003
- 131004

**Right Answer :**

North-East; South-East

**Right Option Id : 131004**

**Question 141**

Which one of the following groups have all 3-dimensional shapes?

Answer :

- (A) Cube, Cuboid, Sphere, Cylinder
- (B) Cube, Cuboid, Semi-Circle, Cone
- (C) Cube, Cuboid, Circle, Cone
- (D) Cube, Cuboid, Circle, Triangle

**Question Id : 139**

Option Id

- 139001
- 139002
- 139003
- 139004

**Right Answer :**

Cube, Cuboid, Sphere, Cylinder

**Right Option Id : 139001**

**Question 142**

What is the missing number in the pattern given below? 1, 6, 15, -----45, 66, 91

Answer :

- (A) 25
- (B) 36
- (C) 28
- (D) 32

**Question Id : 138**

Option Id

- 138001
- 138002
- 138003
- 138004

**Right Answer :**

28

**Right Option Id : 138003**

**Question 143**

A whole number is added to 100 and the same number is subtracted from 100. the sum of the two resulting numbers so obtained is :

Answer :

- (A) 100
- (B) 200
- (C) 0

**Question Id : 137**

Option Id

- 137001
- 137002
- 137003

(D) 50

137004

**Right Answer :**

200

**Right Option Id : 137002**

**Question 144**

The sum of  $5 - 5 + 5 - 5 + 5 - 5 \dots\dots\dots$ , to odd number of terms is :

Answer :

(A) 5

(B) 15

(C) 0

(D) -5

**Question Id : 136**

Option Id

136001

136002

136003

136004

**Right Answer :**

5

**Right Option Id : 136001**

**Question 145**

Which of the following arrangements represents a descending order of numbers?

Answer :

(A) 10.5, 1.50, 1.05, 1.055, 1.005, 0.155

(B) 10.5, 1.50, 1.055, 1.05, 1.005, 0.155

(C) 1.05, 1.005, 1.50, 1.055, 10.5, 0.155

(D) 10.5, 1.05, 1.055, 1.50, 1.005, 0.155

**Question Id : 135**

Option Id

135001

135002

135003

135004

**Right Answer :**

10.5, 1.50, 1.055, 1.05, 1.005, 0.155

**Right Option Id : 135002**

**Question 146**

Monday : April :: Friday : ?

Answer :

(A) July

(B) Saturday

(C) August

(D) Tuesday

**Question Id : 134**

Option Id

134001

134002

134003

134004

**Right Answer :**

August

**Right Option Id : 134003**

**Question 147**

Choose the word which is least like the other words in the group.

Answer :

(A) Kidney

(B) Heart

(C) Lung

(D) Ear

**Question Id : 133**

Option Id

133001

133002

133003

133004

**Right Answer :**

Heart

**Right Option Id : 133002**

**Question 148**

60,30,120,15,240?

Answer :

- (A) 30
- (B) 120
- (C) 140
- (D) 71/2

**Right Answer :**

71/2

**Question Id : 132**

Option Id

- 132001
- 132002
- 132003
- 132004

**Right Option Id : 132004**

**Question 149**

In a certain code, if BAD is written as YZW and SAID is written as HZRW, then LIFE will be written as:

Answer :

- (A) ORUV
- (B) OSUV
- (C) OQVU
- (D) ORVW

**Right Answer :**

ORUV

**Question Id : 140**

Option Id

- 140001
- 140002
- 140003
- 140004

**Right Option Id : 140001**

**Question 150**

Pointing towards Sita, Nikhil said, "I am the only son of her mother's son". How is Sita related to Nikhil?

Answer :

- (A) Aunt
- (B) Niece
- (C) Mother
- (D) Cousin

**Right Answer :**

Aunt

**Question Id : 150**

Option Id

- 150001
- 150002
- 150003
- 150004

**Right Option Id : 150001**

