**QUESTION PAPER**

**Uchcha Madhyamic Computer Science [SHIFT - 1]**

Exam Date : 12/09/2023 Time : 10:00 AM - 12:30 PM

Subject Name : Computer Science Subject Code : 226

**Subject Question**

**Question 1** **Question Id : 1**

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

Answer : Option Id

(A) A'B'C'D' + A'B'C'D + A'BC'D + AB'C'D + ABCD 1001

(B) A'B'C'D' + A'BC'D + AB'C'D + ABC'D + ABCD 1002

(C) A'B'C'D' + A'BC'D + ABC'D + ABCD 1003

(D) A'B'C'D' + A'BC'D' + A'BCD + ABCD 1004

**Right Answer :** **Right Option Id : 1001**

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

**Question 2** **Question Id : 55**

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

Answer : Option Id

(A) AND gates and OR gates 55001

(B) NAND gates and XOR gates 55002

(C) NOR gates and XNOR gates 55003

(D) NOT gates and multiplexers 55004

**Right Answer :** **Right Option Id : 55001**

AND gates and OR gates

**Question 3** **Question Id : 54**

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

Answer : Option Id

(A) Shift register 54001

(B) Parallel register 54002

(C) Accumulator register 54003

(D) Counter register 54004

**Right Answer :** **Right Option Id : 54003**

Accumulator register

**Question 4** **Question Id : 53**

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

Answer : Option Id

(A) TTL 53001

(B) ECL 53002

(C) PMOS 53003

(D) CMOS 53004

**Right Answer :** **Right Option Id : 53004**

CMOS

Adda247

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**Question 5** **Question Id : 52**

What is the primary difference between ROM and RAM?

Answer :

Option Id

(A) ROM is faster than RAM — 52001

(B) ROM is volatile, while RAM is non-volatile — 52002

(C) ROM is used for data storage, while RAM is used for program execution — 52003

(D) ROM stores permanent data that cannot be changed, while RAM stores temporary data that can be read and written — 52004

**Right Answer :** **Right Option Id : 52004**

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

**Question 6** **Question Id : 51**

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

Answer :

Option Id

(A) A'B' + AB' + AB + AC — 51001

(B) A + B + C — 51002

(C) AB' + C' — 51003

(D) A'B'C' — 51004

**Right Answer :** **Right Option Id : 51001**

A'B' + AB' + AB + AC

**Question 7** **Question Id : 50**

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 :

Option Id

(A) Discard the carry — 50001

(B) Add the carry to the least significant bit (LSB) — 50002

(C) Add the carry to the most significant bit (MSB) — 50003

(D) Subtract the carry from the MSB — 50004

**Right Answer :** **Right Option Id : 50002**

Add the carry to the least significant bit (LSB)

**Question 8** **Question Id : 49**

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

Answer :

Option Id

(A) Multiply the least significant bit (LSB) by the multiplier — 49001

(B) Multiply the most significant bit (MSB) by the multiplier — 49002

(C) Multiply the least significant bit (LSB) by the multiplicand — 49003

(D) Multiply the most significant bit (MSB) by the multiplicand — 49004

**Right Answer :** **Right Option Id : 49001**

Multiply the least significant bit (LSB) by the multiplier

**Question 9** **Question Id : 48**

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

Answer :

Option Id

(A) Closer parity bits provide higher error correction capability — 48001

(B) Closer parity bits provide lower error correction capability — 48002

(C) Distance between parity bits has no impact on error correction capability — 48003

(D) The position of parity bits is irrelevant in Hamming Code — 48004

**Right Answer :** Closer parity bits provide lower error correction capability

**Right Option Id : 48002**

---

**Question 10**

**Question Id : 47**

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

Answer :

Option Id

(A) Subtraction method — 47001

(B) Addition method — 47002

(C) Exclusive OR (XOR) operation — 47003

(D) Division method — 47004

**Right Answer :** Exclusive OR (XOR) operation

**Right Option Id : 47003**

---

**Question 11**

**Question Id : 46**

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

Answer :

Option Id

(A) CPU — 46001

(B) ALU — 46002

(C) Memory — 46003

(D) Output devices — 46004

**Right Answer :** Memory

**Right Option Id : 46003**

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**Question 12**

**Question Id : 45**

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

Answer :

Option Id

(A) In kilobytes (KB) — 45001

(B) In megahertz (MHz) — 45002

(C) In bits — 45003

(D) In address lines — 45004

**Right Answer :** In bits

**Right Option Id : 45003**

---

**Question 13**

**Question Id : 44**

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

Answer :

Option Id

(A) Operating systems for computers — 44001

(B) Entertainment systems in airplanes — 44002

(C) Engine control in cars

44003

(D) Weather forecasting systems

44004

**Right Answer :** **Right Option Id : 44003**

Engine control in cars

---

**Question 14** **Question Id : 43**

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

Answer : Option Id

(A) Arrays 43001

(B) Linked lists 43002

(C) Hash tables 43003

(D) Stacks 43004

**Right Answer :** **Right Option Id : 43003**

Hash tables

---

**Question 15** **Question Id : 42**

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 : Option Id

(A) Greedy algorithm 42001

(B) Divide and conquer 42002

(C) Dynamic programming 42003

(D) Tradeoff 42004

**Right Answer :** **Right Option Id : 42004**

Tradeoff

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**Question 16** **Question Id : 41**

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

Answer : Option Id

(A) Analyzing algorithms with constant time complexity 41001

(B) The input size is fixed 41002

(C) The input data is random 41003

(D) Algorithm behavior varies based on certain input characteristics 41004

**Right Answer :** **Right Option Id : 41004**

Algorithm behavior varies based on certain input characteristics

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**Question 17** **Question Id : 56**

.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 : Option Id

(A) o(f(n)) 56001

(B) o(g(n)) 56002

(C) o(f(n) + g(n)) 56003

(D) o(f(n) * g(n)) 56004

**Right Answer :** **Right Option Id : 56001**

o(f(n))

**Question 18** **Question Id : 57**

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

Answer :

Option Id

(A) Divide and Conquer — 57001

(B) Greedy Algorithms — 57002

(C) Dynamic Programming — 57003

(D) Brute Force — 57004

**Right Answer :** **Right Option Id : 57001**

Divide and Conquer

**Question 19** **Question Id : 58**

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

Answer :

Option Id

(A) Iteratively solving subproblems — 58001

(B) Recursively solving subproblems — 58002

(C) Using heuristics to find solutions — 58003

(D) Greedily combining solutions — 58004

**Right Answer :** **Right Option Id : 58002**

Recursively solving subproblems

**Question 20** **Question Id : 67**

A threaded binary tree is a binary tree in which:

Answer :

Option Id

(A) Each node has two children — 67001

(B) Each node has at most one child — 67002

(C) Each node is connected to its parent — 67003

(D) Each node has a thread connecting it to its predecessor or successor — 67004

**Right Answer :** **Right Option Id : 67004**

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

**Question 21** **Question Id : 73**

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

Answer :

Option Id

(A) DFS — 73001

(B) BFS — 73002

(C) Both DFS and BFS — 73003

(D) Neither DFS nor BFS — 73004

**Right Answer :** **Right Option Id : 73001**

DFS

**Question 22** **Question Id : 72**

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

Answer :

Option Id

(A) (A, B)

(B) [A, B]

(C) <A, B>

(D) {A, B}

72001

72002

72003

72004

**Right Answer :**
(A, B)

**Right Option Id : 72001**

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**Question 23**

**Question Id : 71**

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

Answer :

Option Id

(A) Linked lists

(B) Arrays

(C) Stacks

(D) Queues

71001

71002

71003

71004

**Right Answer :**
Linked lists

**Right Option Id : 71001**

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**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

(B) Quadratic probing

(C) Separate chaining

(D) Double hashing

70001

70002

70003

70004

**Right Answer :**
Linear probing

**Right Option Id : 70001**

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**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

(B) 2n

(C) 2^n - 1

(D) 2^n

69001

69002

69003

69004

**Right Answer :**
2^n - 1

**Right Option Id : 69003**

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**Question 26**

**Question Id : 68**

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

Answer :

Option Id

(A) More recursive function calls

(B) Loops

(C) Additional memory allocation

68001

68002

68003

(D) Non-recursive function calls

68004

**Right Answer :**
Loops

**Right Option Id : 68002**

---

**Question 27**

**Question Id : 66**

A formal model of protection in an operating system provides:

Answer :

Option Id

(A) A mathematical framework for analyzing resource allocation

66001

(B) Guidelines for designing user interfaces

66002

(C) Methods for optimizing memory management

66003

(D) Techniques for improving CPU utilization

66004

**Right Answer :**
A mathematical framework for analyzing resource allocation

**Right Option Id : 66001**

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**Question 28**

**Question Id : 59**

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

Answer :

Option Id

(A) Store files in memory

59001

(B) Store copies of frequently used files in memory

59002

(C) Store the operating system kernel

59003

(D) Store input/output devices

59004

**Right Answer :**
Store copies of frequently used files in memory

**Right Option Id : 59002**

---

**Question 29**

**Question Id : 65**

File manipulation operations in an operating system include:

Answer :

Option Id

(A) Allocating memory to files

65001

(B) Assigning file names to processes

65002

(C) Loading files into CPU registers

65003

(D) Reading, writing, and modifying file content

65004

**Right Answer :**
Reading, writing, and modifying file content

**Right Option Id : 65004**

---

**Question 30**

**Question Id : 64**

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

Answer :

Option Id

(A) Allocating memory for processes

64001

(B) Managing the file system

64002

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

64003

(D) Allocating CPU time to processes

64004

**Right Answer :**
Managing input/output operations between processes and input/output devices

**Right Option Id : 64003**

**Question 31** **Question Id : 63**

The primary goal of load control is to:

Answer :

Option Id

(A) Prevent processes from running concurrently — 63001

(B) Avoid context switching between processes — 63002

(C) Ensure that CPU time is evenly distributed among processes — 63003

(D) Maximize the usage of virtual memory — 63004

**Right Answer :** **Right Option Id : 63003**

Ensure that CPU time is evenly distributed among processes

**Question 32** **Question Id : 62**

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

Answer :

Option Id

(A) Store pages of memory — 62001

(B) Manage input/output operations — 62002

(C) Translate virtual addresses to physical addresses — 62003

(D) Store program instructions — 62004

**Right Answer :** **Right Option Id : 62003**

Translate virtual addresses to physical addresses

**Question 33** **Question Id : 61**

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

Answer :

Option Id

(A) Fragmentation — 61001

(B) Deadlock — 61002

(C) Priority inversion — 61003

(D) Starvation — 61004

**Right Answer :** **Right Option Id : 61001**

Fragmentation

**Question 34** **Question Id : 60**

What is DBMS?

Answer :

Option Id

(A) DBMS is a collection of queries — 60001

(B) ) DBMS is a high-level language — 60002

(C) DBMS is a programming language — 60003

(D) DBMS stores, modifies and retrieves data — 60004

**Right Answer :** **Right Option Id : 60004**

DBMS stores, modifies and retrieves data

**Question 35** **Question Id : 40**

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

Answer :

Option Id

(A) Pointers are used to maintain transactional integrity and consistency — 40001

(B) Cursors are used to maintain transactional integrity and consistency — 40002

(C) Locks are used to maintain transactional integrity and consistency — 40003

(D) Triggers are used to maintain transactional integrity and consistency — 40004

**Right Answer :** **Right Option Id : 40003**

Locks are used to maintain transactional integrity and consistency

**Question 36** **Question Id : 39**

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

Answer :

Option Id

(A) New Technology File System — 39001

(B) New Tree File System — 39002

(C) New Table type File System — 39003

(D) Both A and C — 39004

**Right Answer :** **Right Option Id : 39001**

New Technology File System

**Question 37** **Question Id : 38**

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 :

Option Id

(A) Aggregation — 38001

(B) Generalization — 38002

(C) Specialization — 38003

(D) All of the above — 38004

**Right Answer :** **Right Option Id : 38003**

Specialization

**Question 38** **Question Id : 37**

The term "DFD" stands for?

Answer :

Option Id

(A) Data file diagram — 37001

(B) Data flow document — 37002

(C) Data flow diagram — 37003

(D) None of the above — 37004

**Right Answer :** **Right Option Id : 37003**

Data flow diagram

**Question 39** **Question Id : 17**

The term "FAT" is stands for_____

Answer :

Option Id

(A) File Allocation Tree — 17001

(B) File Allocation Table — 17002

(C) File Allocation Graph — 17003

(D) All of the above

17004

**Right Answer :**
File Allocation Table

**Right Option Id : 17002**

---

**Question 40**

**Question Id : 16**

The term "Data" refers to:

Answer :

Option Id

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

16001

(B) Basic information

16002

(C) Row Facts and figures

16003

(D) Both A and C

16004

**Right Answer :**
Row Facts and figures

**Right Option Id : 16003**

---

**Question 41**

**Question Id : 15**

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

Answer :

Option Id

(A) Data framing

15001

(B) Error correction

15002

(C) Finding the best path for data

15003

(D) Flow control

15004

**Right Answer :**
Finding the best path for data

**Right Option Id : 15003**

---

**Question 42**

**Question Id : 14**

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

Answer :

Option Id

(A) A hardware device for data transmission

14001

(B) A software interface for network communication

14002

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

14003

(D) type of network topology

14004

**Right Answer :**
A software interface for network communication

**Right Option Id : 14002**

---

**Question 43**

**Question Id : 13**

Data transmission using multiple pathways simultaneously is known as:

Answer :

Option Id

(A) Parallel Transmission

13001

(B) Serial Transmission

13002

(C) Duplex Transmission

13003

(D) Half-duplex Transmission

13004

**Right Answer :**
Parallel Transmission

**Right Option Id : 13001**

**Question 44** **Question Id : 12**

Which of the following is NOT a network topology?

Answer :

(A) Star

(B) Ring

(C) Disk

(D) Mesh

Option Id

12001

12002

12003

12004

**Right Answer :** **Right Option Id : 12003**

Disk

**Question 45** **Question Id : 11**

Contention-based MAC protocols are commonly used in:

Answer :

(A) Ethernet networks

(B) Token Ring networks

(C) ATM networks

(D) Point-to-Point networks

Option Id

11001

11002

11003

11004

**Right Answer :** **Right Option Id : 11001**

Ethernet networks

**Question 46** **Question Id : 10**

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

Option Id

10001

10002

10003

10004

**Right Answer :** **Right Option Id : 10003**

Determining the best path for data packets

**Question 47** **Question Id : 9**

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

Option Id

9001

9002

9003

9004

**Right Answer :** **Right Option Id : 9003**

To map MAC addresses to IP addresses

**Question 48** **Question Id : 8**

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

Answer :

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**

**Question Id : 7**

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

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**

**Question Id : 6**

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

Option Id

6001

6002

6003

6004

**Right Answer :**
Understanding and documenting existing software

**Right Option Id : 6003**

**Question 51**

**Question Id : 5**

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

Answer :

(A) Integration Testing

(B) System Testing

(C) Unit Testing

(D) Acceptance Testing

Option Id

5001

5002

5003

5004

**Right Answer :**
Unit Testing

**Right Option Id : 5003**

**Question 52**

**Question Id : 4**

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

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**

**Question Id : 3**

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

Answer :

Option Id

(A) Cyclomatic Complexity

3001

(B) Function Points (FP)

3002

(C) Defect Density

3003

(D) Software Reliability Index

3004

**Right Answer :**

Function Points (FP)

**Right Option Id : 3002**

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**Question 54**

**Question Id : 18**

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

Answer :

Option Id

(A) To determine the number of hardware components required

18001

(B) To identify potential risks in the project

18002

(C) To allocate appropriate resources to the project

18003

(D) To estimate the maintenance costs of the software

18004

**Right Answer :**

To identify potential risks in the project

**Right Option Id : 18002**

---

**Question 55**

**Question Id : 2**

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

Answer :

Option Id

(A) alloc

2001

(B) new

2002

(C) create

2003

(D) instance

2004

**Right Answer :**

new

**Right Option Id : 2002**

---

**Question 56**

**Question Id : 19**

What is an abstract class in OOP?

Answer :

Option Id

(A) A class with no methods

19001

(B) A class that cannot be instantiated

19002

(C) A class that can only have private members

19003

(D) A class that cannot have methods with parameters

19004

**Right Answer :**

A class that cannot be instantiated

**Right Option Id : 19002**

**Question 57** **Question Id : 21**

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

Answer : Option Id

(A) It refers to the superclass in inheritance — 21001

(B) It creates a new object instance — 21002

(C) It defines a new class — 21003

(D) It handles exceptions — 21004

**Right Answer :** **Right Option Id : 21001**

It refers to the superclass in inheritance

**Question 58** **Question Id : 36**

Which of the following best defines a class?

Answer : Option Id

(A) An instance of an object — 36001

(B) A blueprint for creating objects — 36002

(C) A variable holding data — 36003

(D) A function with a return value — 36004

**Right Answer :** **Right Option Id : 36002**

A blueprint for creating objects

**Question 59** **Question Id : 35**

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

Answer : Option Id

(A) Polymorphism — 35001

(B) Information hiding — 35002

(C) Encapsulation — 35003

(D) Abstraction — 35004

**Right Answer :** **Right Option Id : 35002**

Information hiding

**Question 60** **Question Id : 34**

What is the main purpose of inheritance in OOP?

Answer : Option Id

(A) To create instances of classes — 34001

(B) To prevent data abstraction — 34002

(C) To establish a parent-child relationship between classes — 34003

(D) To define exceptions — 34004

**Right Answer :** **Right Option Id : 34003**

To establish a parent-child relationship between classes

**Question 61** **Question Id : 33**

What are abstract methods?

Answer : Option Id

(A) Methods that are inaccessible to the outside world

(B) Methods that have implementation details

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

(D) Methods that cannot be inherited

33001
33002
33003
33004

**Right Answer :**
Methods without a body, defined in an abstract class

**Right Option Id : 33003**

---

**Question 62**

**Question Id : 32**

Which protocol is commonly used for sending emails?

Answer :

Option Id

(A) .HTTPS

(B) FTP

(C) SMTP

(D) TCP

32001
32002
32003
32004

**Right Answer :**
SMTP

**Right Option Id : 32003**

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**Question 63**

**Question Id : 31**

What does CSS stand for?

Answer :

Option Id

(A) Cascading Style System

(B) Creative Styling Script

(C) Computer Style Sheets

(D) Cascading Style Sheets

31001
31002
31003
31004

**Right Answer :**
Cascading Style Sheets

**Right Option Id : 31004**

---

**Question 64**

**Question Id : 30**

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

Answer :

Option Id

(A) JavaFX

(B) Bootstrap

(C) React

(D) jQuery

30001
30002
30003
30004

**Right Answer :**
jQuery

**Right Option Id : 30004**

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**Question 65**

**Question Id : 29**

What does AJAX stand for?

Answer :

Option Id

(A) Asynchronous JavaScript and XML

(B) Automated JavaScript and XHTML

(C) Advanced JavaScript and XML

29001
29002
29003

(D) Asynchronous JSON and XHTML

29004

**Right Answer :**
Asynchronous JavaScript and XML

**Right Option Id : 29001**

---

**Question 66**

**Question Id : 28**

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

Answer :

Option Id

(A) In alphabetical order

28001

(B) Based on the element's size

28002

(C) In a parent-child relationship

28003

(D) According to the element's color

28004

**Right Answer :**
In a parent-child relationship

**Right Option Id : 28003**

---

**Question 67**

**Question Id : 27**

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

Answer :

Option Id

(A) id

27001

(B) class

27002

(C) name

27003

(D) tag

27004

**Right Answer :**
id

**Right Option Id : 27001**

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**Question 68**

**Question Id : 26**

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 :

Option Id

(A) 01, 0011,010101

26001

(B) 0011, 11001100

26002

(C) ε, 0011, 11001101

26003

(D) ε, 0011, 11001100

26004

**Right Answer :**
ε, 0011, 11001100

**Right Option Id : 26004**

---

**Question 69**

**Question Id : 25**

A Language for which DFA exist is a_____

Answer :

Option Id

(A) Regular Language

25001

(B) Non-Regular Language

25002

(C) Any language

25003

(D) Cannot be said

25004

**Right Answer :**
Regular Language

**Right Option Id : 25001**

**Question 70** **Question Id : 24**

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-1v-1

(D) ε

Option Id

24001

24002

24003

24004

**Right Answer :** **Right Option Id : 24004**

ε

**Question 71** **Question Id : 23**

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

Option Id

23001

23002

23003

23004

**Right Answer :** **Right Option Id : 23003**

0,1,2

**Question 72** **Question Id : 22**

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

Answer :

(A) 3

(B) 2

(C) 1

(D) can't be represented

Option Id

22001

22002

22003

22004

**Right Answer :** **Right Option Id : 22002**

2

**Question 73** **Question Id : 74**

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

Option Id

74001

74002

74003

74004

**Right Answer :** **Right Option Id : 74001**

64

**Question 74** **Question Id : 20**

The class of CFG is not closed under

Answer :

(A) Concatenation

Option Id

20001

(B) Intersection

20002

(C) Union

20003

(D) Repeated Concatenation.

20004

**Right Answer :**
Repeated Concatenation.

**Right Option Id : 20004**

---

**Question 75**

**Question Id : 75**

Which among the following is not true about IoT?

Answer :

Option Id

(A) IoT uses Micro Controllers

75001

(B) IoT is fully safe

75002

(C) IoT uses Sensors and Actuators

75003

(D) IoT uses wireless technology

75004

**Right Answer :**
IoT is fully safe

**Right Option Id : 75002**

---

**Question 76**

**Question Id : 78**

About IoT, which among the followings isnot correct?

Answer :

Option Id

(A) Light sensor is analog

78001

(B) microphone is a digital sensor

78002

(C) Keyboard is a digital sensor

78003

(D) Push button is a digital Sensor

78004

**Right Answer :**
microphone is a digital sensor

**Right Option Id : 78002**

---

**Question 77**

**Question Id : 92**

BLE stands for

Answer :

Option Id

(A) Bluetooth large energy

92001

(B) Bluetooth low energy

92002

(C) Bluetooth light energy

92003

(D) Bluetooth long energy

92004

**Right Answer :**
Bluetooth low energy

**Right Option Id : 92002**

---

**Question 78**

**Question Id : 93**

WSN stands for?

Answer :

Option Id

(A) Wireless Standard Protocol

93001

(B) Wireless Sensor Protocol

93002

(C) Wireless Serial Protocol

93003

(D) Wireless Single Protocol

93004

**Right Answer :**
Wireless Sensor Protocol

**Right Option Id : 93002**

---

**Question 79**

**Question Id : 94**

A complex SCADA system has _____levels?

Answer :

Option Id

(A) 6 — 94001

(B) 5 — 94002

(C) 3 — 94003

(D) 4 — 94004

**Right Answer :**
4

**Right Option Id : 94004**

---

**Question 80**

**Question Id : 97**

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

Answer :

Option Id

(A) Master In Slave Out — 97001

(B) Manage Internal Slave Output — 97002

(C) Master Internal Search Optimization — 97003

(D) Manage Input Slave Op — 97004

**Right Answer :**
Master In Slave Out

**Right Option Id : 97001**

---

**Question 81**

**Question Id : 96**

Who is known as the father of AI?

Answer :

Option Id

(A) Fisher Ada — 96001

(B) Alan Turing — 96002

(C) John McCarthy — 96003

(D) Allen Newell — 96004

**Right Answer :**
John McCarthy

**Right Option Id : 96003**

---

**Question 82**

**Question Id : 91**

Programming language commonly used for AI is___?

Answer :

Option Id

(A) Lisp — 91001

(B) Perl — 91002

(C) Prolog — 91003

(D) C++ — 91004

**Right Answer :**
Perl

**Right Option Id : 91002**

---

**Question 83** **Question Id : 98**

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

Answer : Option Id

(A) Heuristic Search Algorithm — 98001

(B) DFS/ BFL algorithm — 98002

(C) Greedy Search algorithm — 98003

(D) Min/Max algorithm — 98004

**Right Answer :** **Right Option Id : 98004**

Min/Max algorithm

---

**Question 84** **Question Id : 99**

Uniform-cost search expands the node n with the _____

Answer : Option Id

(A) Lowest path cost — 99001

(B) Heuristic cost — 99002

(C) Highest path cost — 99003

(D) Average path cost — 99004

**Right Answer :** **Right Option Id : 99001**

Lowest path cost

---

**Question 85** **Question Id : 100**

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

Answer : Option Id

(A) Extraction — 100001

(B) Abstraction — 100002

(C) Data Mining — 100003

(D) Information Retrieval — 100004

**Right Answer :** **Right Option Id : 100002**

Abstraction

---

**Question 86** **Question Id : 95**

What does a first order predicate logic contain?

Answer : Option Id

(A) Predicate and a subject — 95001

(B) Predicate and a Preposition — 95002

(C) Subject and an object — 95003

(D) None of the above — 95004

**Right Answer :** **Right Option Id : 95001**

Predicate and a subject

---

**Question 87** **Question Id : 90**

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

Answer : Option Id

(A) Precision — 90001

(B) Learning

(C) Observing

(D) All of the above

90002

90003

90004

**Right Answer :**
Learning

**Right Option Id : 90002**

**Question 88**

**Question Id : 77**

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

Answer :

Option Id

(A) B2B

77001

(B) B2C

77002

(C) C2B

77003

(D) All of the above

77004

**Right Answer :**
All of the above

**Right Option Id : 77004**

**Question 89**

**Question Id : 88**

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 :

Option Id

(A) B2B Marketplace

88001

(B) Auction

88002

(C) Reverse Auction

88003

(D) Intranet

88004

**Right Answer :**
Reverse Auction

**Right Option Id : 88003**

**Question 90**

**Question Id : 87**

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

Answer :

Option Id

(A) Low

87001

(B) High

87002

(C) Moderate

87003

(D) Negligible

87004

**Right Answer :**
High

**Right Option Id : 87002**

**Question 91**

**Question Id : 89**

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

Answer :

Option Id

(A) Customization

89001

(B) Adaptation

89002

(C) Direct material

89003

(D) Auction

89004

**Right Answer :**
Customization

**Right Option Id : 89001**

---

**Question 92**

**Question Id : 86**

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

Answer :

(A) Horizontal

(B) Vertical

(C) integrated

(D) isolated

Option Id

86001

86002

86003

86004

**Right Answer :**
Vertical

**Right Option Id : 86002**

---

**Question 93**

**Question Id : 85**

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

Option Id

85001

85002

85003

85004

**Right Answer :**
All of the above

**Right Option Id : 85004**

---

**Question 94**

**Question Id : 84**

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

Answer :

(A) Stream delay

(B) Playback delay

(C) Jitter

(D) Event delay

Option Id

84001

84002

84003

84004

**Right Answer :**
Jitter

**Right Option Id : 84003**

---

**Question 95**

**Question Id : 76**

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

Option Id

76001

76002

76003

76004

**Right Answer :**
server breaks down the connection

**Right Option Id : 76004**

**Question 96** **Question Id : 83**

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

Option Id

83001

83002

83003

83004

**Right Answer :** **Right Option Id : 83004**

packets

---

**Question 97** **Question Id : 82**

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

Option Id

82001

82002

82003

82004

**Right Answer :** **Right Option Id : 82001**

8 bits per sample

---

**Question 98** **Question Id : 81**

Audio compression can be used for_____

Answer :

(A) voice and data

(B) video and voice

(C) speech or music

(D) picture and colors

Option Id

81001

81002

81003

81004

**Right Answer :** **Right Option Id : 81003**

speech or music

---

**Question 99** **Question Id : 80**

Each ___ represents a particular colour.

Answer :

(A) Frame

(B) Character

(C) Pixel value

(D) None of the above

Option Id

80001

80002

80003

80004

**Right Answer :** **Right Option Id : 80003**

Pixel value

---

**Question 100** **Question Id : 79**

_____ is basically a form of pictorial presentation.

Answer :

(A) Photography

Option Id

79001

(B) Animations

(C) Drawing

(D) Creativity

79002

79003

79004

**Right Answer :**
Animations

**Right Option Id : 79002**

**Art Of Teaching**

**Question 101**

**Question Id : 120**

The main aim of classroom teaching is

Answer :

Option Id

(A) to give information

(B) help to pass examination

(C) syllabus coverage

(D) to develop personality

120001

120002

120003

120004

**Right Answer :**
to develop personality

**Right Option Id : 120004**

**Question 102**

**Question Id : 121**

To ensure participation of students we use

Answer :

Option Id

(A) demonstration

(B) little man's lecture

(C) discussion

(D) illustration

121001

121002

121003

121004

**Right Answer :**
discussion

**Right Option Id : 121003**

**Question 103**

**Question Id : 125**

learning through independent effort is

Answer :

Option Id

(A) autonomous learning

(B) autocratic learning

(C) democratic learning

(D) all the above

125001

125002

125003

125004

**Right Answer :**
autonomous learning

**Right Option Id : 125001**

**Question 104**

**Question Id : 123**

Aims

Answer :

Option Id

(A) may include abstract concepts

(B) difficult to measure

(C) may include appreciation

123001

123002

123003

(D) All the above

123004

**Right Answer :**
All the above

**Right Option Id : 123004**

---

**Question 105**

**Question Id : 124**

psychomotor domain relates to

Answer :

Option Id

(A) map making

124001

(B) project making

124002

(C) playing

124003

(D) all the above

124004

**Right Answer :**
all the above

**Right Option Id : 124004**

---

**Question 106**

**Question Id : 119**

Heuristic means

Answer :

Option Id

(A) to invertigate

119001

(B) to show

119002

(C) to do

119003

(D) to act

119004

**Right Answer :**
to invertigate

**Right Option Id : 119001**

---

**Question 107**

**Question Id : 117**

Armstrong gifted teaching with

Answer :

Option Id

(A) Project method

117001

(B) heuristic method

117002

(C) team teaching

117003

(D) blended method

117004

**Right Answer :**
heuristic method

**Right Option Id : 117002**

---

**Question 108**

**Question Id : 126**

Set induction relates to

Answer :

Option Id

(A) previous knowledge

126001

(B) new knowledge

126002

(C) specific objectives

126003

(D) statement of aim

126004

**Right Answer :**
previous knowledge

**Right Option Id : 126001**

**Question 109** **Question Id : 127**

Diadactic teaching materials was introduced by

Answer :

Option Id

(A) Pestalozzi — 127001

(B) froebel — 127002

(C) Montessori — 127003

(D) Dewey — 127004

**Right Answer :** **Right Option Id : 127003**

Montessori

**Question 110** **Question Id : 128**

The centre point of a lesson plan is

Answer :

Option Id

(A) principal — 128001

(B) teacher — 128002

(C) student — 128003

(D) none of the above — 128004

**Right Answer :** **Right Option Id : 128003**

student

**Question 111** **Question Id : 129**

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

Answer :

Option Id

(A) interpersonal; linguistic — 129001

(B) linguistic; interpersonal — 129002

(C) spatial; intrapersonal — 129003

(D) intrapersonal; spatial — 129004

**Right Answer :** **Right Option Id : 129004**

intrapersonal; spatial

**Question 112** **Question Id : 108**

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

Answer :

Option Id

(A) I failed the test because my friends were distracting me. — 108001

(B) I received a low grade because the teacher is a tough grader. — 108002

(C) I failed the test because I didn't study enough. — 108003

(D) I didn't get good marks because the teacher was biased. — 108004

**Right Answer :** **Right Option Id : 108003**

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

**Question 113** **Question Id : 130**

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

Answer :

Option Id

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

130001

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

130002

(C) what is the definition of a verb?

130003

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

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**

**Question Id : 122**

Micro teaching is more effective

Answer :

Option Id

(A) always

122001

(B) after the teaching-practice

122002

(C) during the teaching-practice

122003

(D) during the preparation for teaching-practice

122004

**Right Answer :**
during the teaching-practice

**Right Option Id : 122003**

---

**Question 115**

**Question Id : 118**

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

Answer :

Option Id

(A) Brevity

118001

(B) Objectivity

118002

(C) Adventure

118003

(D) Sharp memory

118004

**Right Answer :**
Objectivity

**Right Option Id : 118002**

---

**Question 116**

**Question Id : 115**

Library man Provide

Answer :

Option Id

(A) Physical mateial

115001

(B) Digital material

115002

(C) Both A & B

115003

(D) None of these

115004

**Right Answer :**
Both A & B

**Right Option Id : 115003**

---

**Question 117**

**Question Id : 116**

Which of the following components are essential for library?

Answer :

Option Id

(A) Learning

116001

(B) Walking

116002

(C) Playing

116003

(D) None of these

116004

**Right Answer :**
Learning

**Right Option Id : 116001**

---

**Question 118**

**Question Id : 101**

A teacher should ask-

Answer :

Option Id

(A) meaningful question

101001

(B) maximum number of question in a fixed time

101002

(C) as many question as possible

101003

(D) None of these

101004

**Right Answer :**
meaningful question

**Right Option Id : 101001**

---

**Question 119**

**Question Id : 102**

Which of the following important cause of failure for teacher?

Answer :

Option Id

(A) interpersonal relationship

102001

(B) verbal ability

102002

(C) lack of command over the knowledge of subject

102003

(D) None of the above

102004

**Right Answer :**
lack of command over the knowledge of subject

**Right Option Id : 102003**

---

**Question 120**

**Question Id : 104**

Teacher should master during his teaching period

Answer :

Option Id

(A) in one of the teaching method

104001

(B) equally acros all teaching method

104002

(C) Both A & B

104003

(D) None of these

104004

**Right Answer :**
equally acros all teaching method

**Right Option Id : 104002**

---

**Question 121**

**Question Id : 105**

Knowledge is-

Answer :

Option Id

(A) Information

105001

(B) Application

105002

(C) Analysis

105003

(D) Understanding

105004

**Right Answer :**
Information

**Right Option Id : 105001**

**Question 122** **Question Id : 106**

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

Option Id

106001

106002

106003

106004

**Right Answer :** **Right Option Id : 106003**

During the teaching learning process

**Question 123** **Question Id : 107**

Which technique is used for evaluation of interest?

Answer :

(A) Observation technique

(B) Check list

(C) Rating scale

(D) Projective Technique

Option Id

107001

107002

107003

107004

**Right Answer :** **Right Option Id : 107003**

Rating scale

**Question 124** **Question Id : 103**

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

Answer :

(A) Subject-centered

(B) Problem Centered

(C) Learner-Centered

(D) Teacher-Centered

Option Id

103001

103002

103003

103004

**Right Answer :** **Right Option Id : 103004**

Teacher-Centered

**Question 125** **Question Id : 109**

Which of the following is not the nature of curriculum?

Answer :

(A) Critical

(B) Creative

(C) Conservative

(D) Active

Option Id

109001

109002

109003

109004

**Right Answer :** **Right Option Id : 109004**

Active

**Question 126** **Question Id : 110**

The biggest challenge before democracy is -

Answer :

(A) Fundamentalism

Option Id

(B) Castism

(C) Regionalism

(D) All the above

110001
110002
110003
110004

**Right Answer :**
Fundamentalism

**Right Option Id : 110001**

---

**Question 127**

**Question Id : 111**

A teacher shoul behave with all the student as -

Answer :

(A) as a friend

(B) as a master

(C) equally

(D) personally

Option Id
111001
111002
111003
111004

**Right Answer :**
as a friend

**Right Option Id : 111001**

---

**Question 128**

**Question Id : 112**

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

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**

**Question Id : 113**

Chal-Board is a kind of teaching aid-

Answer :

(A) Visual

(B) Audio

(C) Audio-Visual

(D) All of the above

Option Id
113001
113002
113003
113004

**Right Answer :**
Visual

**Right Option Id : 113001**

---

**Question 130**

**Question Id : 114**

Television is

Answer :

(A) Visual aid

(B) Audio-visual aid

(C) Audio aid

Option Id
114001
114002
114003

(D) None of the above

114004

**Right Answer :**
Audio-visual aid

**Right Option Id : 114002**

**Other Skills**

**Question 131**

**Question Id : 149**

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

Answer :

Option Id

(A) Santhals

149001

(B) Ahoms

149002

(C) Pagal Panthis

149003

(D) Ramosi

149004

**Right Answer :**
Santhals

**Right Option Id : 149001**

**Question 132**

**Question Id : 148**

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 :

Option Id

(A) About 5.00 a.m.

148001

(B) About 6.20 a.m.

148002

(C) About 7.30 a.m.

148003

(D) About 7.00 a.m.

148004

**Right Answer :**
About 7.00 a.m.

**Right Option Id : 148004**

**Question 133**

**Question Id : 147**

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

Answer :

Option Id

(A) 10%

147001

(B) 15%

147002

(C) 20%

147003

(D) 25%

147004

**Right Answer :**
10%

**Right Option Id : 147001**

**Question 134**

**Question Id : 146**

Who among the following was not related to Champaran Satyagraha?

Answer :

Option Id

(A) Dr. Rajendra Prasad

146001

(B) Anugrah Narayan Singh

146002

(C) JB Kriplani

146003

(D) Jai Prakash Narayan

146004

**Right Answer :**
Jai Prakash Narayan

**Right Option Id : 146004**

**Question 135** **Question Id : 145**

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

Option Id

145001

145002

145003

145004

**Right Answer :** **Right Option Id : 145003**

West Bengal

**Question 136** **Question Id : 144**

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

Option Id

144001

144002

144003

144004

**Right Answer :** **Right Option Id : 144004**

Muscular energy

**Question 137** **Question Id : 143**

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

Option Id

143001

143002

143003

143004

**Right Answer :** **Right Option Id : 143002**

Bora rice

**Question 138** **Question Id : 142**

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

Option Id

142001

142002

142003

142004

**Right Answer :** **Right Option Id : 142003**

Heat and light energy

**Question 139** **Question Id : 141**

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

Answer :

Option Id

(A) They chew up their prey

141001

(B) They swallow their food whole

141002

(C) Snakes have sharp teeth

141003

(D) Poisonous snakes have fangs.

141004

**Right Answer :**

They chew up their prey

**Right Option Id : 141001**

---

**Question 140**

**Question Id : 131**

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

Answer :

Option Id

(A) North-West; Saouth-East

131001

(B) North-West; South-West

131002

(C) North-East; South-West

131003

(D) North-East; South-East

131004

**Right Answer :**

North-East; South-East

**Right Option Id : 131004**

---

**Question 141**

**Question Id : 139**

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

Answer :

Option Id

(A) Cube, Cuboid, Sphere, Cylinder

139001

(B) Cube, Cuboid, Semi-Circle, Cone

139002

(C) Cube, Cuboid, Circle, Cone

139003

(D) Cube, Cuboid, Circle, Triangle

139004

**Right Answer :**

Cube, Cuboid, Sphere, Cylinder

**Right Option Id : 139001**

---

**Question 142**

**Question Id : 138**

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

Answer :

Option Id

(A) 25

138001

(B) 36

138002

(C) 28

138003

(D) 32

138004

**Right Answer :**

28

**Right Option Id : 138003**

---

**Question 143**

**Question Id : 137**

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 :

Option Id

(A) 100

137001

(B) 200

137002

(C) 0

137003

(D) 50

137004

**Right Answer :**
200

**Right Option Id : 137002**

---

**Question 144**

**Question Id : 136**

The sum of 5 - 5 + 5 - 5 + 5 - 5 ..... , to odd number of terms is :

Answer :

Option Id

(A) 5

136001

(B) 15

136002

(C) 0

136003

(D) -5

136004

**Right Answer :**
5

**Right Option Id : 136001**

---

**Question 145**

**Question Id : 135**

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

Answer :

Option Id

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

135001

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

135002

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

135003

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

135004

**Right Answer :**
10.5, 1.50, 1.055, 1.05, 1.005, 0.155

**Right Option Id : 135002**

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**Question 146**

**Question Id : 134**

Monday : April : : Friday : ?

Answer :

Option Id

(A) July

134001

(B) Saturday

134002

(C) August

134003

(D) Tuesday

134004

**Right Answer :**
August

**Right Option Id : 134003**

---

**Question 147**

**Question Id : 133**

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

Answer :

Option Id

(A) Kidney

133001

(B) Heart

133002

(C) Lung

133003

(D) Ear

133004

**Right Answer :**
Heart

**Right Option Id : 133002**

**Question 148** **Question Id : 132**

60,30,120,15,240?

Answer :

(A) 30

(B) 120

(C) 140

(D) 71/2

Option Id

132001

132002

132003

132004

**Right Answer :** **Right Option Id : 132004**

71/2

**Question 149** **Question Id : 140**

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

Option Id

140001

140002

140003

140004

**Right Answer :** **Right Option Id : 140001**

ORUV

**Question 150** **Question Id : 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

Option Id

150001

150002

150003

150004

**Right Answer :** **Right Option Id : 150001**

Aunt