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

Right Option Id : 1001

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 :
AND gates and OR gates

Right Option Id : 55001

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 :
Accumulator register

Right Option Id : 54003

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 :
CMOS

Right Option Id : 53004

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 :   **Right Option Id : 48002**
Closer parity bits provide lower error correction capability

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 :   **Right Option Id : 47003**
Exclusive OR (XOR) operation

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 :   **Right Option Id : 46003**
Memory

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 :   **Right Option Id : 45003**
In bits

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

44004

(D) Weather forecasting systems

Right Answer :
Engine control in cars

Right Option Id : 44003

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

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

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

Question 23
Separate chaining involves storing collided elements in separate data structures, typically in:

Answer :

(A) Linked lists

(B) Arrays

(C) Stacks

(D) Queues

Question Id : 71

Option Id

⚪ 71001

⚪ 71002

⚪ 71003

⚪ 71004

Right Answer :
Linked lists

Right Option Id : 71001

Question 24
Which collision resolution technique involves placing collided elements in the next available empty slot in the hash table?

Answer :

(A) Linear probing

(B) Quadratic probing

(C) Separate chaining

(D) Double hashing

Question Id : 70

Option Id

⚪ 70001

⚪ 70002

⚪ 70003

⚪ 70004

Right Answer :
Linear probing

Right Option Id : 70001

Question 25
In the Tower of Hanoi problem with "n" disks, how many moves are required to solve the problem?

Answer :

(A) n

(B) 2n

(C) 2^n - 1

(D) 2^n

Question Id : 69

Option Id

⚪ 69001

⚪ 69002

⚪ 69003

⚪ 69004

Right Answer :
2^n - 1

Right Option Id : 69003

Question 26
The process of removing recursion involves replacing recursive function calls with:

Answer :

(A) More recursive function calls

(B) Loops

(C) Additional memory allocation

Question Id : 68

Option Id

⚪ 68001

⚪ 68002

⚪ 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

Right Answer :
A mathematical framework for analyzing resource allocation

Question Id : 66

Option Id

⊙ 66001

⊙ 66002

⊙ 66003

⊙ 66004

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

Right Answer :
Store copies of frequently used files in memory

Question Id : 59

Option Id

⊙ 59001

⊙ 59002

⊙ 59003

⊙ 59004

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

Right Answer :
Reading, writing, and modifying file content

Question Id : 65

Option Id

⊙ 65001

⊙ 65002

⊙ 65003

⊙ 65004

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

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

Question Id : 64

Option Id

⊙ 64001

⊙ 64002

⊙ 64003

⊙ 64004

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 :

(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)

Question Id : 16

Option Id

○ 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
What is the primary function of routing in the network layer?
Answer :
(A) Data framing

Question Id : 15

Option Id

○ 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
What is a socket in the context of process-to-process communication?
Answer :
(A) A hardware device for data transmission

Question Id : 14

Option Id

○ 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
Data transmission using multiple pathways simultaneously is known as:
Answer :
(A) Parallel Transmission

Question Id : 13

Option Id

○ 13001

(B) Serial Transmission

○ 13002

(C) Duplex Transmission

○ 13003

(D) Half-duplex Transmission

○ 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 ⚪ 8001

(B) Prototype model ⚪ 8002

(C) Spiral model ⚪ 8003

(D) Agile model ⚪ 8004

Right Answer :
Spiral model

Right Option Id : 8003

Question 49

Question Id : 7

What is the main goal of software quality assurance?

Answer :

Option Id

(A) To eliminate all defects from the software ⚪ 7001

(B) To ensure the software is defect-free before release ⚪ 7002

(C) To establish and enforce standards and processes to improve software quality ⚪ 7003

(D) To test software under different conditions ⚪ 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 :

Option Id

(A) Creating new software from scratch ⚪ 6001

(B) Improving software performance ⚪ 6002

(C) Understanding and documenting existing software ⚪ 6003

(D) Testing software components ⚪ 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 :

Option Id

(A) Integration Testing ⚪ 5001

(B) System Testing ⚪ 5002

(C) Unit Testing ⚪ 5003

(D) Acceptance Testing ⚪ 5004

Right Answer :
Unit Testing

Right Option Id : 5003

Question 52

Question Id : 4

What is the main goal of System Testing?

Answer :

Option Id

(A) Testing individual components in isolation ⚪ 4001

(B) Testing the integration between different software components ⚪ 4002

(C) Testing software functionality from the user's perspective ⚪ 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

Question Id : 3

Option Id

○ 3001

(B) Function Points (FP)

○ 3002

(C) Defect Density

○ 3003

(D) Software Reliability Index

○ 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

Question Id : 18

Option Id

○ 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

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

Answer :

(A) alloc

Question Id : 2

Option Id

○ 2001

(B) new

○ 2002

(C) create

○ 2003

(D) instance

○ 2004

Right Answer :
new

Right Option Id : 2002

Question 56

What is an abstract class in OOP?

Answer :

(A) A class with no methods

Question Id : 19

Option Id

○ 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

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

(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
Which protocol is commonly used for sending emails?
Answer :
(A) .HTTPS

(B) FTP

(C) SMTP

(D) TCP

Question Id : 32

Option Id

○ 32001

○ 32002

○ 32003

○ 32004

Right Answer :
SMTP

Right Option Id : 32003

Question 63
What does CSS stand for?
Answer :
(A) Cascading Style System

(B) Creative Styling Script

(C) Computer Style Sheets

(D) Cascading Style Sheets

Question Id : 31

Option Id

○ 31001

○ 31002

○ 31003

○ 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

(B) Bootstrap

(C) React

(D) jQuery

Question Id : 30

Option Id

○ 30001

○ 30002

○ 30003

○ 30004

Right Answer :
jQuery

Right Option Id : 30004

Question 65
What does AJAX stand for?
Answer :
(A) Asynchronous JavaScript and XML

(B) Automated JavaScript and XHTML

(C) Advanced JavaScript and XML

Question Id : 29

Option Id

○ 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

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

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

Question Id : 24

Option Id

○ 24001

○ 24002

○ 24003

○ 24004

Right Answer :
ε

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

Question Id : 23

Option Id

○ 23001

○ 23002

○ 23003

○ 23004

Right Answer :
0,1,2

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

Question Id : 22

Option Id

○ 22001

○ 22002

○ 22003

○ 22004

Right Answer :
2

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

Question Id : 74

Option Id

○ 74001

○ 74002

○ 74003

○ 74004

Right Answer :
64

Right Option Id : 74001

Question 74

The class of CFG is not closed under

Answer :

(A) Concatenation

Question Id : 20

Option Id

(B) Intersection

(C) Union

(D) Repeated Concatenation.

○ 20001

○ 20002

○ 20003

○ 20004

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 isnot 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 :   **Right Option Id : 93002**
Wireless Sensor Protocol

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 :   **Right Option Id : 94004**
4

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 :   **Right Option Id : 97001**
Master In Slave Out

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 :   **Right Option Id : 96003**
John McCarthy

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 :   **Right Option Id : 91002**
Perl

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

Question Id : 77

Option Id

⊙ 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

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

Question Id : 88

Option Id

⊙ 88001

(B) Auction

⊙ 88002

(C) Reverse Auction

⊙ 88003

(D) Intranet

⊙ 88004

Right Answer :
Reverse Auction

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

Question Id : 87

Option Id

⊙ 87001

(B) High

⊙ 87002

(C) Moderate

⊙ 87003

(D) Negligible

⊙ 87004

Right Answer :
High

Right Option Id : 87002

Question 91

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

Answer :

(A) Customization

Question Id : 89

Option Id

⊙ 89001

(B) Adaptation

⊙ 89002

(C) Direct material

⊙ 89003

(D) Auction

○ 89004

Right Answer :   **Right Option Id : 89001**
Customization

Question 92   **Question Id : 86**
Which form of e-marketplace brings together buyers and sellers from the same industry?
Answer :   Option Id
(A) Horizontal   ○ 86001

(B) Vertical   ○ 86002

(C) integrated   ○ 86003

(D) isolated   ○ 86004

Right Answer :   **Right Option Id : 86002**
Vertical

Question 93   **Question Id : 85**
Which of the following is done by Secure Sockets Layers?
Answer :   Option Id
(A) creates a secure, private connection to a web server   ○ 85001

(B) Encrypts information   ○ 85002

(C) Sends information over the internet   ○ 85003

(D) All of the above   ○ 85004

Right Answer :   **Right Option Id : 85004**
All of the above

Question 94   **Question Id : 84**
The delay that occur during the playback of a stream is called _____
Answer :   Option Id
(A) Stream delay   ○ 84001

(B) Playback delay   ○ 84002

(C) Jitter   ○ 84003

(D) Event delay   ○ 84004

Right Answer :   **Right Option Id : 84003**
Jitter

Question 95   **Question Id : 76**
In teardown state of real time streaming protocol is _____
Answer :   Option Id
(A) the server resources for client   ○ 76001

(B) server delivers the stream to client   ○ 76002

(C) server suspends delivery of stream   ○ 76003

(D) server breaks down the connection   ○ 76004

Right Answer :   **Right Option Id : 76004**
server breaks down the connection

Question 96   **Question Id : 83**

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

Answer :   Option Id

(A) pixels   ⃝ 83001

(B) layers   ⃝ 83002

(C) frames   ⃝ 83003

(D) packets   ⃝ 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 :   Option Id

(A) 8 bits per sample   ⃝ 82001

(B) 5 bits per sample   ⃝ 82002

(C) 7 bits per sample   ⃝ 82003

(D) 6 bits per sample   ⃝ 82004

Right Answer :   **Right Option Id : 82001**
8 bits per sample

Question 98   **Question Id : 81**

Audio compression can be used for_____

Answer :   Option Id

(A) voice and data   ⃝ 81001

(B) video and voice   ⃝ 81002

(C) speech or music   ⃝ 81003

(D) picture and colors   ⃝ 81004

Right Answer :   **Right Option Id : 81003**
speech or music

Question 99   **Question Id : 80**

Each ___ represents a particular colour.

Answer :   Option Id

(A) Frame   ⃝ 80001

(B) Character   ⃝ 80002

(C) Pixel value   ⃝ 80003

(D) None of the above   ⃝ 80004

Right Answer :   **Right Option Id : 80003**
Pixel value

Question 100   **Question Id : 79**

_____ is basically a form of pictorial presentation.

Answer :   Option Id

(A) Photography   ⃝ 79001

(B) Animations

(C) Drawing

(D) Creativity

⭕ 79002

⭕ 79003

⭕ 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 invertigate
(B) to show
(C) to do
(D) to act

Question Id : 119

Option Id
○ 119001
○ 119002
○ 119003
○ 119004

Right Answer :
to invertigate

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

Question Id : 127

Option Id

◯ 127001

◯ 127002

◯ 127003

◯ 127004

Right Answer :

Montessori

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

Question Id : 128

Option Id

◯ 128001

◯ 128002

◯ 128003

◯ 128004

Right Answer :

student

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

Question Id : 129

Option Id

◯ 129001

◯ 129002

◯ 129003

◯ 129004

Right Answer :

intrapersonal; spatial

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.

Question Id : 108

Option Id

◯ 108001

◯ 108002

◯ 108003

◯ 108004

Right Answer :

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

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?

(C) what is the definition of a verb?

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

○ 130001

○ 130002

○ 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 mateial

(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

Question Id : 101

Option Id

○ 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
Which of the following important cause of failure for teacher?
Answer :
(A) interpersonal relationship

Question Id : 102

Option Id

○ 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
Teacher should master during his teaching period
Answer :
(A) in one of the teaching method

Question Id : 104

Option Id

○ 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
Knowledge is-
Answer :
(A) Information

Question Id : 105

Option Id

○ 105001

(B) Application

○ 105002

(C) Analysis

○ 105003

(D) Understanding

○ 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 shoul behave with all the student 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

Question Id : 145

Option Id

○ 145001

○ 145002

○ 145003

○ 145004

Right Answer :
West Bengal

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

Question Id : 144

Option Id

○ 144001

○ 144002

○ 144003

○ 144004

Right Answer :
Muscular energy

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

Question Id : 143

Option Id

○ 143001

○ 143002

○ 143003

○ 143004

Right Answer :
Bora rice

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

Question Id : 142

Option Id

○ 142001

○ 142002

○ 142003

○ 142004

Right Answer :
Heat and light energy

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.

Right Answer :
They chew up their prey

Option Id

◯ 141001

◯ 141002

◯ 141003

◯ 141004

Right Option Id : 141001

Question 140

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

Answer :

(A) North-West; Saouth-East

(B) North-West; South-West

(C) North-East; South-West

(D) North-East; South-East

Right Answer :
North-East; South-East

Question Id : 131

Option Id

◯ 131001

◯ 131002

◯ 131003

◯ 131004

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

Right Answer :
Cube, Cuboid, Sphere, Cylinder

Question Id : 139

Option Id

◯ 139001

◯ 139002

◯ 139003

◯ 139004

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

Right Answer :
28

Question Id : 138

Option Id

◯ 138001

◯ 138002

◯ 138003

◯ 138004

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

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

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

60,30,120,15,240?

Answer :

(A) 30

(B) 120

(C) 140

(D) 71/2

Question Id : 132

Option Id

○ 132001

○ 132002

○ 132003

○ 132004

Right Answer :

71/2

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

Question Id : 140

Option Id

○ 140001

○ 140002

○ 140003

○ 140004

Right Answer :

ORUV

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

Question Id : 150

Option Id

○ 150001

○ 150002

○ 150003

○ 150004

Right Answer :

Aunt

Right Option Id : 150001