

Exam Date : 12/09/2023

Time : 03:00 PM - 05:30 PM

Subject Name : Computer Science

Subject Code : 226

## Subject Question

## Question 1

Consider two binary numbers A = 110001 and B = 001100. What is the result of (A AND B) OR (NOT A AND NOT B)?

Answer :

- (A) 000000
- (B) 110001
- (C) 001100
- (D) 111101

**Right Answer :**  
000000

## Question Id : 1

Option Id

- 1001
- 1002
- 1003
- 1004

**Right Option Id : 1001**

## Question 2

Which of the following is a self-complementing binary code, where adjacent codes differ in only one bit position?

Answer :

- (A) BCD
- (B) ASCII
- (C) Gray Code
- (D) EBCDIC

**Right Answer :**  
Gray Code

## Question Id : 55

Option Id

- 55001
- 55002
- 55003
- 55004

**Right Option Id : 55003**

## Question 3

How many bits are used to represent a single decimal digit in Gray Code?

Answer :

- (A) 4 bits
- (B) 8 bits
- (C) 16 bits
- (D) 10 bits

**Right Answer :**  
4 bits

## Question Id : 54

Option Id

- 54001
- 54002
- 54003
- 54004

**Right Option Id : 54001**

## Question 4

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

Answer :

- (A)  $A'B'C'D' + A'B'C'D + A'B'CD + A'BC'D + A'B'C'D' + A'BCD$
- (B)  $A'B'C'D' + A'B'C'D + A'B'CD + A'BC'D + A'B'C'D' + A'BC'D$
- (C)  $A'B'C'D' + A'B'C'D + A'B'CD + A'BC'D + A'B'C'D' + A'BC'D'$
- (D)  $A'B'C'D' + A'B'C'D + A'B'CD + A'BC'D + A'B'C'D' + A'BCD$

**Right Answer :**  
 $A'B'C'D' + A'B'C'D + A'B'CD + A'BC'D + A'B'C'D' + A'BC'D$

## Question Id : 53

Option Id

- 53001
- 53002
- 53003
- 53004

**Right Option Id : 53002**

**Question 5**

A binary-to-gray code converter is an example of:

Answer :

- (A) Encoder
- (B) Decoder
- (C) Comparator
- (D) Multiplexer

**Right Answer :**

Encoder

**Question Id : 52**

Option Id

- 52001
- 52002
- 52003
- 52004

**Right Option Id : 52001**

**Question 6**

Which statement accurately describes a Programmable Logic Device (PLD)?

Answer :

- (A) PLDs can only be programmed once and cannot be reconfigured.
- (B) PLDs are used exclusively for memory storage in digital circuits.
- (C) PLDs allow for both input and output programming to implement custom logic functions.
- (D) PLDs consist of only AND gates and do not include OR gates.

**Right Answer :**

PLDs allow for both input and output programming to implement custom logic functions.

**Question Id : 51**

Option Id

- 51001
- 51002
- 51003
- 51004

**Right Option Id : 51003**

**Question 7**

Which of the following applications is a typical use of microcontrollers in the field of home automation?

Answer :

- (A) Satellite communication
- (B) Air traffic control
- (C) Temperature and lighting control
- (D) Space exploration

**Right Answer :**

Temperature and lighting control

**Question Id : 50**

Option Id

- 50001
- 50002
- 50003
- 50004

**Right Option Id : 50003**

**Question 8**

What does the term "harvard architecture" refer to in the context of microcontrollers?

Answer :

- (A) A type of microcontroller with high processing speed
- (B) A microcontroller architecture that uses a separate memory space for instructions and data
- (C) A microcontroller with advanced addressing modes
- (D) A microcontroller with a large number of I/O ports

**Right Answer :**

A microcontroller architecture that uses a separate memory space for instructions and data

**Question Id : 49**

Option Id

- 49001
- 49002
- 49003
- 49004

**Right Option Id : 49002**

**Question 9**

**Question Id : 48**

What is the primary purpose of using Don't Care conditions in Karnaugh Map simplification?

Answer :

- (A) To mark cells that should not be included in the simplification process
- (B) To indicate cells that have an undefined logic value
- (C) To identify cells that are already in their simplest form
- (D) To mark cells with special logic functions

Option Id

- 48001
- 48002
- 48003
- 48004

**Right Answer :**

To mark cells that should not be included in the simplification process

**Right Option Id : 48001**

**Question 10**

De Morgan's First Theorem states that the complement of a \_\_\_\_\_ of variables is equal to the \_\_\_\_\_ of their individual complements

Answer :

- (A) AND, OR
- (B) OR, AND
- (C) NAND, NOR
- (D) NOR, NAND

**Question Id : 47**

Option Id

- 47001
- 47002
- 47003
- 47004

**Right Answer :**

OR, AND

**Right Option Id : 47002**

**Question 11**

The hexadecimal number F4 is equivalent to which binary number?

Answer :

- (A) 11111001
- (B) 11110100
- (C) 11111100
- (D) 11111010

**Question Id : 46**

Option Id

- 46001
- 46002
- 46003
- 46004

**Right Answer :**

11110100

**Right Option Id : 46002**

**Question 12**

When converting a binary number to Gray Code, what is the result of XORing the most significant bit (MSB) of the binary number with the next bit?

Answer :

- (A) The MSB of the Gray Code
- (B) The LSB of the Gray Code
- (C) The XOR of all the bits in the binary number
- (D) The XOR of all the bits in the Gray Code

**Question Id : 45**

Option Id

- 45001
- 45002
- 45003
- 45004

**Right Answer :**

The LSB of the Gray Code

**Right Option Id : 45002**

**Question 13**

In an ideal microcomputer, what is the purpose of the clock or oscillator circuit?

Answer :

- (A) Providing power to the microcomputer
- (B) Displaying time and date information

**Question Id : 44**

Option Id

- 44001
- 44002

(C) Generating timing signals to synchronize operations

44003

(D) Cooling the microcomputer components

44004

**Right Answer :**

Generating timing signals to synchronize operations

**Right Option Id : 44003**

**Question 14**

What is the worst-case time complexity of Binary Search for an array of size "n"?

**Question Id : 43**

Answer :

Option Id

(A)  $O(\log n)$

43001

(B)  $O(n)$

43002

(C)  $O(n \log n)$

43003

(D)  $O(1)$

43004

**Right Answer :**

$O(\log n)$

**Right Option Id : 43001**

**Question 15**

The minimum number of edges in a spanning tree of a connected graph with "n" vertices is:

**Question Id : 42**

Answer :

Option Id

(A) n

42001

(B) n - 1

42002

(C) n + 1

42003

(D)  $n(n-1)/2$

42004

**Right Answer :**

n - 1

**Right Option Id : 42002**

**Question 16**

Which property of dynamic programming is particularly useful for solving Optimal Binary Search Tree problems?

**Question Id : 41**

Answer :

Option Id

(A) Optimal substructure

41001

(B) Greedy choice property

41002

(C) Divide and Conquer

41003

(D) Linear programming

41004

**Right Answer :**

Optimal substructure

**Right Option Id : 41001**

**Question 17**

The Floyd-Warshall algorithm is a popular method for solving the All-Pair Shortest Paths problem. What is the time complexity of the Floyd-Warshall algorithm for a graph with "n" vertices?

**Question Id : 56**

Answer :

Option Id

(A)  $O(n)$

56001

(B)  $O(n \log n)$

56002

(C)  $O(n^2)$

56003

(D)  $O(n^3)$

56004

**Right Answer :** $O(n^3)$ **Right Option Id : 56004****Question 18**

What is the time complexity of the Divide and Conquer algorithm for finding the maximum and minimum elements in an array of size "n"?

Answer :

- (A)  $O(n)$
- (B)  $O(\log n)$
- (C)  $O(n \log n)$
- (D)  $O(n^2)$

**Question Id : 57**

Option Id

- 57001
- 57002
- 57003
- 57004

**Right Answer :** $O(n)$ **Right Option Id : 57001****Question 19**

In multistage graphs, what is the property of optimality?

Answer :

- (A) The shortest path between any two stages is the one with the fewest edges
- (B) The shortest path between any two stages is the one with the lowest total cost
- (C) The shortest path between any two stages is the one with the highest total cost
- (D) The shortest path between any two stages is the one with the most vertices

**Question Id : 58**

Option Id

- 58001
- 58002
- 58003
- 58004

**Right Answer :**

The shortest path between any two stages is the one with the lowest total cost

**Right Option Id : 58002****Question 20**

Which of the following is not a common example of an abstract data type?

Answer :

- (A) Stack
- (B) Integer
- (C) Queue
- (D) List

**Question Id : 67**

Option Id

- 67001
- 67002
- 67003
- 67004

**Right Answer :**

Integer

**Right Option Id : 67002****Question 21**

Which traversal technique is used to visit each node of a linked list exactly once?

Answer :

- (A) Preorder traversal
- (B) Inorder traversal
- (C) Postorder traversal
- (D) Linear traversal

**Question Id : 73**

Option Id

- 73001
- 73002
- 73003
- 73004

**Right Answer :**

Linear traversal

**Right Option Id : 73004**

**Question 22**

In pointer implementation of linked lists, which operation can be performed in constant time ( $O(1)$ ) when inserting or deleting nodes?

Answer :

- (A) Inserting at the beginning
- (B) Inserting at the end
- (C) Inserting at a specific position
- (D) Deleting a specific node

**Right Answer :**

Inserting at the beginning

**Question Id : 72**

Option Id

- 72001
- 72002
- 72003
- 72004

**Right Option Id : 72001**

**Question 23**

Which representation is best suited for matrices with a small number of non-zero elements in each row and column?

Answer :

- (A) Triplet representation
- (B) Compressed sparse row (CSR) format
- (C) Compressed sparse column (CSC) format
- (D) Array representation

**Right Answer :**

Compressed sparse column (CSC) format

**Question Id : 71**

Option Id

- 71001
- 71002
- 71003
- 71004

**Right Option Id : 71003**

**Question 24**

Which of the following representations is most suitable for efficient row-wise traversal of a sparse matrix?

Answer :

- (A) Triplet representation
- (B) Compressed sparse row (CSR) format
- (C) Compressed sparse column (CSC) format
- (D) Array representation

**Right Answer :**

Compressed sparse row (CSR) format

**Question Id : 70**

Option Id

- 70001
- 70002
- 70003
- 70004

**Right Option Id : 70002**

**Question 25**

In computer graphics, arrays can be used to store pixel values for images. Which type of array would be suitable for this purpose?

Answer :

- (A) 1-D array
- (B) 2-D array
- (C) 3-D array
- (D) 4-D array

**Right Answer :**

2-D array

**Question Id : 69**

Option Id

- 69001
- 69002
- 69003
- 69004

**Right Option Id : 69002**

**Question 26**

For a 2-D array represented in row-major order, the index formula to access the element at row "i" and column "j" using the base address "B" is:

Answer :

- (A) Index =  $B + (i * n + j)$
- (B) Index =  $B + (j * n + i)$

**Question Id : 68**

Option Id

- 68001

- (C) Index = B + (i + j)  68002
- (D) Index = B + (i \* m + j)  68003
- 68004

**Right Answer :**

Index = B + (i \* n + j)

**Right Option Id : 68001**

**Question 27**

The Banker's algorithm is an example of a deadlock:

Answer :

- (A) Avoidance algorithm
- (B) Detection algorithm
- (C) Prevention algorithm
- (D) Termination algorithm

**Question Id : 66**

Option Id

- 66001
- 66002
- 66003
- 66004

**Right Answer :**

Avoidance algorithm

**Right Option Id : 66001**

**Question 28**

The concept of monitors was introduced by:

Answer :

- (A) Edsger Dijkstra
- (B) Alan Turing
- (C) Tim Berners-Lee
- (D) Linus Torvalds

**Question Id : 59**

Option Id

- 59001
- 59002
- 59003
- 59004

**Right Answer :**

Edsger Dijkstra

**Right Option Id : 59001**

**Question 29**

Priority Scheduling involves assigning a priority value to each process. Which scheduling algorithm is closely related to this concept?

Answer :

- (A) FCFS
- (B) SJN
- (C) Multilevel Queue Scheduling
- (D) First-Come, First-Served (FCFS)

**Question Id : 65**

Option Id

- 65001
- 65002
- 65003
- 65004

**Right Answer :**

Multilevel Queue Scheduling

**Right Option Id : 65003**

**Question 30**

The resource matrix is a data structure used in deadlock detection algorithms to:

Answer :

- (A) Represent resource allocation
- (B) Represent the execution order of processes
- (C) Represent the execution history of processes
- (D) Represent the priority of processes

**Question Id : 64**

Option Id

- 64001
- 64002
- 64003
- 64004

**Right Answer :**

Represent resource allocation

**Right Option Id : 64001****Question 31**

The term "race condition" in parallel programming refers to:

Answer :

- (A) A competition between processes to terminate first
- (B) A competition between processes to access shared resources
- (C) A situation where a process is stuck in a loop
- (D) A situation where processes are running sequentially

**Question Id : 63**

Option Id

- 63001
- 63002
- 63003
- 63004

**Right Answer :**

A competition between processes to access shared resources

**Right Option Id : 63002****Question 32**

The need for a command interpreter arises because:

Answer :

- (A) Hardware cannot execute programs directly
- (B) All programming languages require an interpreter
- (C) Software cannot run on hardware
- (D) Users prefer typing commands over using GUIs

**Question Id : 62**

Option Id

- 62001
- 62002
- 62003
- 62004

**Right Answer :**

Hardware cannot execute programs directly

**Right Option Id : 62001****Question 33**

The term "multi-user" in an OS context refers to:

Answer :

- (A) An OS that can execute multiple programs simultaneously
- (B) An OS that supports multiple users working on the same machine
- (C) An OS that can only run on multiple computers
- (D) An OS with a graphical user interface

**Question Id : 61**

Option Id

- 61001
- 61002
- 61003
- 61004

**Right Answer :**

An OS that supports multiple users working on the same machine

**Right Option Id : 61002****Question 34**

\_\_\_\_\_ offers the ability to query the data and insert, alter, and delete tuples.

Answer :

- (A) Transaction Control Language (TCL)
- (B) Data Control Language (DCL)
- (C) Data Definition Language (DDL)
- (D) Data Manipulation Language (DML)

**Question Id : 60**

Option Id

- 60001
- 60002
- 60003
- 60004

**Right Answer :**

Data Manipulation Language (DML)

**Right Option Id : 60004****Question 35****Question Id : 40**



Which of the following is a database?

Answer :

- (A) MySQL
- (B) Informix
- (C) SQL Server
- (D) All of the above

Option Id

- 40001
- 40002
- 40003
- 40004

**Right Answer :**

All of the above

**Right Option Id : 40004**

**Question 36**

What do you mean by one to many relationships?

Answer :

- (A) Many teachers may have many classes
- (B) One class may have many teachers
- (C) One teacher can have many classes
- (D) Many classes may have many teachers

**Question Id : 39**

Option Id

- 39001
- 39002
- 39003
- 39004

**Right Answer :**

One teacher can have many classes

**Right Option Id : 39003**

**Question 37**

In general, a file is basically a collection of all related\_\_\_\_\_.

Answer :

- (A) Rows & Columns
- (B) Database
- (C) Fields
- (D) Records

**Question Id : 38**

Option Id

- 38001
- 38002
- 38003
- 38004

**Right Answer :**

Records

**Right Option Id : 38004**

**Question 38**

Which of the following refers to the number of attributes in a relation?

Answer :

- (A) Row
- (B) Degree
- (C) Column
- (D) All of the above

**Question Id : 37**

Option Id

- 37001
- 37002
- 37003
- 37004

**Right Answer :**

Row

**Right Option Id : 37001**

**Question 39**

A report generator is used to

Answer :

- (A) Update file
- (B) Print file on paper

**Question Id : 17**

Option Id

- 17001
- 17002

- (C) Both of the above
- (D) None of the above

- 17003
- 17004

**Right Answer :**  
Print file on paper

**Right Option Id : 17002**

**Question 40**

A large computer information system maintains many different computer files. Which amongst them is called a perpetual file?

Answer :

- (A) Specialized File
- (B) Master File
- (C) Log File
- (D) Update File

**Question Id : 16**

Option Id

- 16001
- 16002
- 16003
- 16004

**Right Answer :**  
Master File

**Right Option Id : 16002**

**Question 41**

Subnetting allows for:

Answer :

- (A) Faster data transmission
- (B) Improved error control
- (C) Efficient use of IP addresses
- (D) Increased network security

**Question Id : 15**

Option Id

- 15001
- 15002
- 15003
- 15004

**Right Answer :**  
Efficient use of IP addresses

**Right Option Id : 15003**

**Question 42**

Upward multiplexing involves:

Answer :

- (A) Combining multiple data streams into one
- (B) Distributing data to different physical channels
- (C) Separating data into smaller units
- (D) Reordering data packets

**Question Id : 14**

Option Id

- 14001
- 14002
- 14003
- 14004

**Right Answer :**  
Combining multiple data streams into one

**Right Option Id : 14001**

**Question 43**

Process-to-process communication involves communication between:

Answer :

- (A) Different network layers
- (B) Different devices on the same network
- (C) Devices using different protocols
- (D) Processes on different devices

**Question Id : 13**

Option Id

- 13001
- 13002
- 13003
- 13004

**Right Answer :**

Processes on different devices

**Right Option Id : 13004****Question 44**

The HTTP protocol is used for:

Answer :

- (A) Email communication
- (B) File transfers
- (C) Web browsing
- (D) Remote terminal access

**Question Id : 12**

Option Id

- 12001
- 12002
- 12003
- 12004

**Right Answer :**

Web browsing

**Right Option Id : 12003****Question 45**

The term HTTP stand for:

Answer :

- (A) Hyper Terminal Tracing Program
- (B) Hypertext Tracing Program
- (C) Hypertext Transfer Protocol
- (D) Hypertext Tracing Protocol

**Question Id : 11**

Option Id

- 11001
- 11002
- 11003
- 11004

**Right Answer :**

Hypertext Transfer Protocol

**Right Option Id : 11003****Question 46**

The length of an IPv6 address is:

Answer :

- (A) 32 bits
- (B) 64 bits
- (C) 128 bits
- (D) 256 bits

**Question Id : 10**

Option Id

- 10001
- 10002
- 10003
- 10004

**Right Answer :**

128 bits

**Right Option Id : 10003****Question 47**

The maximum length (in bytes) of an IPv4 datagram is:

Answer :

- (A) 32
- (B) 256
- (C) 1024
- (D) 65535

**Question Id : 9**

Option Id

- 9001
- 9002
- 9003
- 9004

**Right Answer :**

65535

**Right Option Id : 9004****Question 48**

Which software life cycle model is based on iterative prototyping?

**Question Id : 8**

Answer :

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

Option Id

- 8001
- 8002
- 8003
- 8004

**Right Answer :**

Spiral model

**Right Option Id : 8002**

**Question 49**

In the context of software project management, what is LOC an acronym for?

Answer :

- (A) Line of Change
- (B) Level of Complexity
- (C) Lines of Code
- (D) List of Components

**Question Id : 7**

Option Id

- 7001
- 7002
- 7003
- 7004

**Right Answer :**

Lines of Code

**Right Option Id : 7003**

**Question 50**

The Cost Estimation technique that involves expert judgments and consensus is called:

Answer :

- (A) COCOMO
- (B) Delphi Method
- (C) Waterfall Model
- (D) Prototype Model

**Question Id : 6**

Option Id

- 6001
- 6002
- 6003
- 6004

**Right Answer :**

Delphi Method

**Right Option Id : 6002**

**Question 51**

ISO 9000 and SEI CMM are both frameworks related to:

Answer :

- (A) Software testing
- (B) Software documentation
- (C) Software quality assurance and process improvement
- (D) Software design principles

**Question Id : 5**

Option Id

- 5001
- 5002
- 5003
- 5004

**Right Answer :**

Software quality assurance and process improvement

**Right Option Id : 5003**

**Question 52**

Which type of maintenance involves adding new features to existing software?

Answer :

- (A) Corrective Maintenance
- (B) Perfective Maintenance

**Question Id : 4**

Option Id

- 4001
- 4002

(C) Adaptive Maintenance

4003

(D) Preventive Maintenance

4004

**Right Answer :**

Perfective Maintenance

**Right Option Id : 4002**

**Question 53**

The framework that provides guidelines for achieving consistent and high-quality software is:

Answer :

(A) COCOMO

Option Id

3001

(B) ISO 9000

3002

(C) Delphi Method

3003

(D) Agile Manifesto

3004

**Right Answer :**

ISO 9000

**Right Option Id : 3002**

**Question 54**

Which maintenance process involves documenting the software's structure and functionality?

Answer :

(A) Reverse Engineering

Option Id

18001

(B) Preventive Maintenance

18002

(C) Perfective Maintenance

18003

(D) Adaptive Maintenance

18004

**Right Answer :**

Reverse Engineering

**Right Option Id : 18001**

**Question 55**

What is the term for defining multiple methods in a class with the same name but different parameters?

Answer :

(A) Overriding

Option Id

2001

(B) Overloading

2002

(C) Inheriting

2003

(D) Inheritance

2004

**Right Answer :**

Overloading

**Right Option Id : 2002**

**Question 56**

What is the main advantage of using abstract classes over interfaces?

Answer :

(A) Abstract classes can have multiple inheritance, unlike interfaces

Option Id

19001

(B) Interfaces can have constructors, while abstract classes cannot

19002

(C) Abstract classes can provide default implementations of methods

19003

(D) Interfaces allow for private access modifiers, unlike abstract classes

19004

**Right Answer :**

Abstract classes can provide default implementations of methods

**Right Option Id : 19003**

**Question 57**

What is the main purpose of using namespaces in programming?

Answer :

- (A) To provide data encapsulation
- (B) To organize code into logical groups
- (C) To define abstract classes
- (D) To handle exceptions

**Right Answer :**

To organize code into logical groups

**Question Id : 21**

Option Id

- 21001
- 21002
- 21003
- 21004

**Right Option Id : 21002****Question 58**

What is the term for creating a new class that inherits properties and behaviors from an existing class?

Answer :

- (A) Polymorphism
- (B) Encapsulation
- (C) Abstraction
- (D) Derivation

**Right Answer :**

Derivation

**Question Id : 36**

Option Id

- 36001
- 36002
- 36003
- 36004

**Right Option Id : 36004****Question 59**

What is the primary purpose of an interface in OOP?

Answer :

- (A) To provide a blueprint for creating objects
- (B) To define a set of methods that must be implemented by implementing classes
- (C) To define constructors for classes
- (D) To create static methods

**Right Answer :**

To define a set of methods that must be implemented by implementing classes

**Question Id : 35**

Option Id

- 35001
- 35002
- 35003
- 35004

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

What is the term for a variable that references an instance of a class?

Answer :

- (A) Property
- (B) Method
- (C) Object
- (D) Constructor

**Right Answer :**

Object

**Question Id : 34**

Option Id

- 34001
- 34002
- 34003
- 34004

**Right Option Id : 34003****Question 61****Question Id : 33**

What is the term for a condition that occurs during program execution that disrupts the normal flow of instructions?

Answer :

- (A) Abstraction
- (B) Inheritance
- (C) Exception
- (D) Encapsulation

Option Id

- 33001
- 33002
- 33003
- 33004

**Right Answer :**

Exception

**Right Option Id : 33003**

**Question 62**

What is the role of a Document Type Definition (DTD) in XML?

Answer :

- (A) It defines the structure and data types of XML documents.
- (B) It provides a list of external resources for an XML document.
- (C) It specifies the styling rules for XML elements.
- (D) It encrypts the content of an XML document

**Question Id : 32**

Option Id

- 32001
- 32002
- 32003
- 32004

**Right Answer :**

It defines the structure and data types of XML documents.

**Right Option Id : 32001**

**Question 63**

What does PHP stand for?

Answer :

- (A) Personal Home Page
- (B) Professional Hypertext Processor
- (C) Preprocessed Hypertext Pages
- (D) PHP: Hypertext Preprocessor

**Question Id : 31**

Option Id

- 31001
- 31002
- 31003
- 31004

**Right Answer :**

PHP: Hypertext Preprocessor

**Right Option Id : 31004**

**Question 64**

How do you comment a single line in PHP?

Answer :

- (A) // This is a comment @
- (B) /\* This is a comment \*/
- (C) <!-- This is a comment -->
- (D) \*\* This is a comment \*\*

**Question Id : 30**

Option Id

- 30001
- 30002
- 30003
- 30004

**Right Answer :**

// This is a comment @

**Right Option Id : 30001**

**Question 65**

Which statement is used to retrieve data from a database in SQL?

Answer :

- (A) SELECT
- (B) UPDATE

**Question Id : 29**

Option Id

- 29001
- 29002

(C) DELETE

29003

(D) INSERT

29004

**Right Answer :**

SELECT

**Right Option Id : 29001**

**Question 66**

What is CRUD an acronym for in database operations?

Answer :

(A) Create, Read, Update, Delete

(B) Cache, Read, Update, Delete

(C) Copy, Replace, Update, Delete

(D) Collect, Read, Use, Discard

**Question Id : 28**

Option Id

28001

28002

28003

28004

**Right Answer :**

Create, Read, Update, Delete

**Right Option Id : 28001**

**Question 67**

Which SQL command is used to remove a table from a database?

Answer :

(A) DELETE TABLE

(B) DROP TABLE

(C) REMOVE TABLE

(D) ERASE TABLE

**Question Id : 27**

Option Id

27001

27002

27003

27004

**Right Answer :**

DROP TABLE

**Right Option Id : 27002**

**Question 68**

The language accepted by Push down Automaton:

Answer :

(A) Recursive Language

(B) Context free language

(C) Linearly Bounded language

(D) All of the mentioned

**Question Id : 26**

Option Id

26001

26002

26003

26004

**Right Answer :**

Context free language

**Right Option Id : 26002**

**Question 69**

Which of the following is type 1 language or Type 1 grammar?

Answer :

(A) Regular grammar/ Regular language

(B) Context Free Grammar / Context Free language

(C) Context Sensitive Grammar / Context Sensitive language

(D) Recursively Enumerable

**Question Id : 25**

Option Id

25001

25002

25003

25004



**Right Answer :**

Context Sensitive Grammar / Context Sensitive language

**Right Option Id : 25003****Question 70**

A context free grammar G is in Chomsky normal form if every production is of the form

Answer :

- (A)  $A \rightarrow BC$  or  $A \rightarrow A$
- (B)  $A \rightarrow BC$  or  $A \rightarrow a$
- (C)  $A \rightarrow BCa$  or  $B \rightarrow b$
- (D) None of these

**Question Id : 24**

Option Id

- 24001
- 24002
- 24003
- 24004

**Right Answer :** $A \rightarrow BC$  or  $A \rightarrow a$ **Right Option Id : 24002****Question 71**The context free grammar  $S \rightarrow SS \mid 0S1 \mid 1S0 \mid \epsilon$  generates

Answer :

- (A) Equal number of 0's and 1's
- (B) Unequal number of 0's and 1's
- (C) Any number of 0's followed by any number of 1's
- (D) None of these

**Question Id : 23**

Option Id

- 23001
- 23002
- 23003
- 23004

**Right Answer :**

Equal number of 0's and 1's

**Right Option Id : 23001****Question 72**

According to Chomsky hierarchy, which of the following is recognized by Recursively Enumerable language?

Answer :

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

**Question Id : 22**

Option Id

- 22001
- 22002
- 22003
- 22004

**Right Answer :**

Type 0

**Right Option Id : 22001****Question 73**

A universal Turing machine is a

Answer :

- (A) Single tape Turing machine
- (B) Two-tape Turing machine
- (C) Reprogrammable Turing machine
- (D) All of the above

**Question Id : 74**

Option Id

- 74001
- 74002
- 74003
- 74004

**Right Answer :**

Reprogrammable Turing machine

**Right Option Id : 74003****Question 74**

Turing machine can be represented using:

**Question Id : 20**

Answer :

- (A) Transition table
- (B) Transition diagram
- (C) Instantaneous description
- (D) All of these

Option Id

- 20001
- 20002
- 20003
- 20004

**Right Answer :**

All of these

**Right Option Id : 20004**

**Question 75**

Maximum read range of RFID module is?

Answer :

- (A) 10 CM
- (B) 5 CM
- (C) 15 CM
- (D) 2 CM

**Question Id : 75**

Option Id

- 75001
- 75002
- 75003
- 75004

**Right Answer :**

5 CM

**Right Option Id : 75002**

**Question 76**

Which ZigBee device is used to transfer data between ZigBee devices?

Answer :

- (A) Zigbee Coordinator device
- (B) Zigbee Router
- (C) Zigbee start device
- (D) Zigbee end device

**Question Id : 78**

Option Id

- 78001
- 78002
- 78003
- 78004

**Right Answer :**

Zigbee Router

**Right Option Id : 78002**

**Question 77**

The Internet of Things (IoT), access to real-time data, and the introduction of cyber-physical systems mark the big changes for this era.

Answer :

- (A) Industrial Revolution
- (B) 3rd Industrial Revolution
- (C) Industry 4.0
- (D) Manufacturing automation

**Question Id : 92**

Option Id

- 92001
- 92002
- 92003
- 92004

**Right Answer :**

Industry 4.0

**Right Option Id : 92003**

**Question 78**

The default baud rate of Modbus RTU is?

Answer :

- (A) 9600
- (B) 19200
- (C) 38400

**Question Id : 93**

Option Id

- 93001
- 93002
- 93003

(D) 57600

93004

**Right Answer :**

19200

**Right Option Id : 93002**

**Question 79**

**Question Id : 94**

\_\_\_\_\_ is an online storage drive which can be browsed and from which items can be shared?

Answer :

Option Id

(A) Find my iPhone

94001

(B) iWeb Publish

94002

(C) MobileMe Gallery

94003

(D) iDesk

94004

**Right Answer :**

iDesk

**Right Option Id : 94004**

**Question 80**

**Question Id : 97**

\_\_\_\_\_ are used to overcome the challenges of managing the resources of the IoT.

Answer :

Option Id

(A) Clustering

97001

(B) Software agents

97002

(C) Synchronization techniques

97003

(D) Cluster, Software agent, and Synchronization techniques

97004

**Right Answer :**

Cluster, Software agent, and Synchronization techniques

**Right Option Id : 97004**

**Question 81**

**Question Id : 96**

What is the frame?

Answer :

Option Id

(A) Data type

96001

(B) Data Structure

96002

(C) A way of representing knowledge

96003

(D) None of the above

96004

**Right Answer :**

A way of representing knowledge

**Right Option Id : 96003**

**Question 82**

**Question Id : 91**

What is hyponymy relation?

Answer :

Option Id

(A) A is part of B

91001

(B) B has A as a part of itself

91002

(C) A is subordinate of B

91003

(D) A is superordinate of B

91004

**Right Answer :**

A is subordinate of B

**Right Option Id : 91003**

**Question 83**

Which among the following is/are the best example of semantic networks?

Answer :

- (A) Wordnet
- (B) Human Food Chain
- (C) MYSIN
- (D) Autonomous car driver

**Right Answer :**

Wordnet

**Question Id : 98**

Option Id

- 98001
- 98002
- 98003
- 98004

**Right Option Id : 98001**

**Question 84**

The "Turing Machine" showed that you could use a/an \_\_\_\_ system to program any algorithmic task.

Answer :

- (A) binary
- (B) electro-chemical
- (C) recursive
- (D) semantic

**Right Answer :**

binary

**Question Id : 99**

Option Id

- 99001
- 99002
- 99003
- 99004

**Right Option Id : 99001**

**Question 85**

Which of the following is not a Characteristics of Expert Systems?

Answer :

- (A) Understandable
- (B) Highly responsive
- (C) Unreliable
- (D) High performance

**Right Answer :**

Unreliable

**Question Id : 100**

Option Id

- 100001
- 100002
- 100003
- 100004

**Right Option Id : 100003**

**Question 86**

which of the following is Capabilities of Expert Systems?

Answer :

- (A) Possessing human capabilities
- (B) Suggesting alternative options to a problem
- (C) Refining their own knowledge
- (D) Substituting human decision makers

**Right Answer :**

Suggesting alternative options to a problem

**Question Id : 95**

Option Id

- 95001
- 95002
- 95003
- 95004

**Right Option Id : 95002**

**Question 87**

What is the full form of JESS in Expert System Technology?

Answer :

**Question Id : 90**

Option Id

- (A) Java Expert System Shell  90001
- (B) Javascript Expert System Shell  90002
- (C) Java Expert Sub System  90003
- (D) Javascript Expert Sub System  90004

**Right Answer :**

Java Expert System Shell

**Right Option Id : 90001**

**Question 88**

During E-commerce transaction we should ensure-----

Answer :

- (A) Integrity
- (B) Confidentiality
- (C) Security
- (D) All of the above

**Right Answer :**

All of the above

**Question Id : 77**

Option Id

- 77001
- 77002
- 77003
- 77004

**Right Option Id : 77004**

**Question 89**

Public key cryptography is also known as -----cryptography.

Answer :

- (A) Private key
- (B) Symetric
- (C) Asymmetric
- (D) None of the above

**Right Answer :**

Asymmetric

**Question Id : 88**

Option Id

- 88001
- 88002
- 88003
- 88004

**Right Option Id : 88003**

**Question 90**

Which one is not a physical threat

Answer :

- (A) Hacking
- (B) Storm
- (C) Fire
- (D) Flood

**Right Answer :**

Hacking

**Question Id : 87**

Option Id

- 87001
- 87002
- 87003
- 87004

**Right Option Id : 87001**

**Question 91**

Which one is a communication channel security protocol?

Answer :

- (A) SSL
- (B) SET
- (C) S-HTTP

**Question Id : 89**

Option Id

- 89001
- 89002
- 89003

(D) All of the above

89004

**Right Answer :**

All of the above

**Right Option Id : 89004**

**Question 92**

Which one is used to identify mobile money

Answer :

(A) MCID

(B) MMID

(C) RSID

(D) None of the above

**Question Id : 86**

Option Id

86001

86002

86003

86004

**Right Answer :**

MMID

**Right Option Id : 86002**

**Question 93**

Unclassified email is called?

Answer :

(A) Extra mail

(B) Spam

(C) junk mail

(D) None of the above

**Question Id : 85**

Option Id

85001

85002

85003

85004

**Right Answer :**

junk mail

**Right Option Id : 85003**

**Question 94**

\_\_\_\_\_ refers to simulated motion pictures showing movement of drawn objects.

Answer :

(A) Motion

(B) Animation

(C) VR

(D) SMD

**Question Id : 84**

Option Id

84001

84002

84003

84004

**Right Answer :**

Animation

**Right Option Id : 84002**

**Question 95**

Which of the following is an example of Digital Image Processing?

Answer :

(A) Computer Graphics

(B) Pixels

(C) Camera Mechanism

(D) All of the mentioned

**Question Id : 76**

Option Id

76001

76002

76003

76004

**Right Answer :**

All of the mentioned

**Right Option Id : 76004**

**Question 96**

The aliasing effect on an image can be reduced using which of the following methods?

Answer :

- (A) By reducing the high-frequency components of image by clarifying the image
- (B) By increasing the high-frequency components of image by clarifying the image
- (C) By increasing the high-frequency components of image by blurring the image
- (D) By reducing the high-frequency components of image by blurring the image

**Right Answer :**

By reducing the high-frequency components of image by blurring the image

**Question Id : 83**

Option Id

- 83001
- 83002
- 83003
- 83004

**Right Option Id : 83004****Question 97**

Which of the following is the next step in image processing after compression?

Answer :

- (A) Representation and description
- (B) Morphological processing
- (C) Segmentation
- (D) Wavelets

**Right Answer :**

Morphological processing

**Question Id : 82**

Option Id

- 82001
- 82002
- 82003
- 82004

**Right Option Id : 82002****Question 98**

Which of the following is the abbreviation of JPEG?

Answer :

- (A) Joint Photographic Experts Group
- (B) Joint Photographs Expansion Group
- (C) Joint Photographic Expanded Group
- (D) Joint Photographic Expansion Group

**Right Answer :**

Joint Photographic Experts Group

**Question Id : 81**

Option Id

- 81001
- 81002
- 81003
- 81004

**Right Option Id : 81001****Question 99**

Which gray-level transformation increases the dynamic range of gray-level in the image?

Answer :

- (A) Negative transformations
- (B) Contrast stretching
- (C) Power-law transformations
- (D) None of the mentioned

**Right Answer :**

Contrast stretching

**Question Id : 80**

Option Id

- 80001
- 80002
- 80003
- 80004

**Right Option Id : 80002****Question 100**

Multimedia is widely used to add special \_\_\_\_ to movies

Answer :

**Question Id : 79**

Option Id

- (A) Arrangement  79001
- (B) Attachment  79002
- (C) Effects  79003
- (D) Control  79004

**Right Answer :**  
Effects

**Right Option Id : 79003**

#### 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

**Right Answer :**  
to develop personality

**Question Id : 120**

Option Id

- 120001
- 120002
- 120003
- 120004

**Right Option Id : 120004**

##### Question 102

One of the following is law of learning

Answer :

- (A) law of motivation
- (B) law of listening
- (C) law of exercise
- (D) law of communication

**Right Answer :**  
law of exercise

**Question Id : 121**

Option Id

- 121001
- 121002
- 121003
- 121004

**Right Option Id : 121003**

##### Question 103

One of them is a method of teaching

Answer :

- (A) drilling
- (B) illustration
- (C) demonstration
- (D) lecture and demonstration

**Right Answer :**  
lecture and demonstration

**Question Id : 125**

Option Id

- 125001
- 125002
- 125003
- 125004

**Right Option Id : 125004**

##### Question 104

To make learner an active partner in learning

Answer :

- (A) provide objectives
- (B) provide content

**Question Id : 123**

Option Id

- 123001
- 123002



(C) provide writes

123003

(D) provide lecture

123004

**Right Answer :**  
provide objectives

**Right Option Id : 123001**

**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 investigate

119001

(B) to show

119002

(C) to do

119003

(D) to act

119004

**Right Answer :**  
to investigate

**Right Option Id : 119001**

**Question 107****Question Id : 117**

general to specific approach is

Answer :

Option Id

(A) deductive

117001

(B) game based

117002

(C) blended

117003

(D) experimental

117004

**Right Answer :**  
deductive

**Right Option Id : 117001**

**Question 108****Question Id : 126**

Inductive method is

Answer :

Option Id

(A) drilling

126001

(B) exercising

126002

(C) moving from specific to general

126003

(D) moving from general to specific

126004

**Right Answer :**

moving from specific to general

**Right Option Id : 126003****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**

Which of the following is an effective method to enhance problem-solving skills in children?

Answer :

- (A) giving them opportunities to brainstorm and make intuitive guesses
- (B) discouraging independent thinking and focusing on declarative knowledge
- (C) encouraging them to avoid difficult problems
- (D) providing them with ready-made solutions to problems

**Question Id : 129**

Option Id

- 129001
- 129002
- 129003
- 129004

**Right Answer :**

giving them opportunities to brainstorm and make intuitive guesses

**Right Option Id : 129001****Question 112**

Experiential learning stresses on:

Answer :

- (A) learning as a product rather than a process.
- (B) control of teacher on the learning of children.
- (C) the role of reinforcement in learning.
- (D) importance of critical reflection.

**Question Id : 108**

Option Id

- 108001
- 108002
- 108003
- 108004

**Right Answer :**

importance of critical reflection.

**Right Option Id : 108004****Question 113**

Read the following statement and choose the correct option:

**Question Id : 130**

Assertion (A) : Teachers should create a meaningful environment which seeks active participation and engagement of all children.

Reason ( R) : All children are intrinsically motivated to learn and are capable of learning.

Answer :

(A) (A) is true, but ( R) is false.

(B) both (A) and ( R) are false.

(C) both (A) and ( R) are true and ( R) is the correct explanation of (A)

(D) both (A) and ( R) are true, but ( R) is not the correct explanation of (A)

Option Id

130001

130002

130003

130004

**Right Answer :**

both (A) and ( R) are true, but ( R) is not the correct explanation of (A)

**Right Option Id : 130004**

#### Question 114

Which of the following is not a characteristic of a good achievement test ?

Answer :

(A) Validity

(B) Ambiguity

(C) Reliability

(D) Objectivity

Question Id : 122

Option Id

122001

122002

122003

122004

**Right Answer :**

Ambiguity

**Right Option Id : 122002**

#### Question 115

"Spare the rod and spoil the child", gives the message that

Answer :

(A) children should be beaten with rods.

(B) Corporal punishment is not acceptable.

(C) undesirable behaviour must be punished.

(D) Punishment in the class should be banned.

Question Id : 118

Option Id

118001

118002

118003

118004

**Right Answer :**

undesirable behaviour must be punished.

**Right Option Id : 118003**

#### Question 116

What is the use of text book in class?

Answer :

(A) To explain ideas & thought

(B) To achieve learning objectives

(C) To delimit what is to be taught

(D) None of these

Question Id : 115

Option Id

115001

115002

115003

115004

**Right Answer :**

To achieve learning objectives

**Right Option Id : 115002**

#### Question 117

Which of the following statement is not true?

Answer :

(A) Through the text book, the memory power of the student is developed

(B) Through the text book, reasoning power of the student is developed

Question Id : 116

Option Id

116001

116002

(C) Textbooks distract students from studies.

116003

(D) None of these

116004

**Right Answer :**

Textbooks distract students from studies.

**Right Option Id : 116003**

**Question 118**

The criteria for teacher effectiveness are-

Answer :

(A) Ability

Option Id

101001

(B) Product

101002

(C) Process

101003

(D) All of the above

101004

**Right Answer :**

All of the above

**Right Option Id : 101004**

**Question 119**

The primary responsibility for the teacher's adjustment

Answer :

(A) with the children

Option Id

102001

(B) with the principal

102002

(C) the teacher himself

102003

(D) None of these

102004

**Right Answer :**

the teacher himself

**Right Option Id : 102003**

**Question 120**

Characteristics of teacher centre method are-

Answer :

(A) Formality

Option Id

104001

(B) Teacher's sovereignty

104002

(C) Ignoring new technology

104003

(D) All of the above

104004

**Right Answer :**

All of the above

**Right Option Id : 104004**

**Question 121**

A good evaluation does not have-

Answer :

(A) Validity

Option Id

105001

(B) Reliability

105002

(C) Objectivity

105003

(D) Subjectivity

105004

**Right Answer :**

Subjectivity

**Right Option Id : 105004****Question 122**

The Matriculation examination conducted by Bihar School Examination Board is of \_\_\_\_\_ type.

Answer :

- (A) External examination
- (B) Criterion referenced Evaluation
- (C) summative evaluation
- (D) All of the above

**Question Id : 106**

Option Id

- 106001
- 106002
- 106003
- 106004

**Right Answer :**

All of the above

**Right Option Id : 106004****Question 123**

What type of evaluation is grading system?

Answer :

- (A) Absolute evaluation
- (B) Relative evaluation
- (C) Both of the above
- (D) None of the above

**Question Id : 107**

Option Id

- 107001
- 107002
- 107003
- 107004

**Right Answer :**

Both of the above

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

The outline of the content is-

Answer :

- (A) Curriculum
- (B) Syllabus
- (C) Lesson
- (D) Unit

**Question Id : 103**

Option Id

- 103001
- 103002
- 103003
- 103004

**Right Answer :**

Syllabus

**Right Option Id : 103002****Question 125**

Transmission of values, norms and beliefs conveyed in the classroom atmosphere is-

Answer :

- (A) Core curriculum
- (B) Hidden curriculum
- (C) Content Curriculum
- (D) None of the above

**Question Id : 109**

Option Id

- 109001
- 109002
- 109003
- 109004

**Right Answer :**

Hidden curriculum

**Right Option Id : 109002****Question 126****Question Id : 110**

The psychological factor influencing Learning is -

Answer :

- (A) The salary of a teacher
- (B) The nature of subject
- (C) Caste of students
- (D) The interest of students

Option Id

- 110001
- 110002
- 110003
- 110004

**Right Answer :**

The interest of students

**Right Option Id : 110004**

**Question 127**

Teaching Learning process is from

Answer :

- (A) simple to complex
- (B) concrete to Abstract
- (C) Known to unknown
- (D) All the above

**Question Id : 111**

Option Id

- 111001
- 111002
- 111003
- 111004

**Right Answer :**

All the above

**Right Option Id : 111004**

**Question 128**

Which of these is not a factor affecting teaching-learning

Answer :

- (A) Maturity
- (B) Readiness
- (C) level of aspiration
- (D) Geographical boundary

**Question Id : 112**

Option Id

- 112001
- 112002
- 112003
- 112004

**Right Answer :**

Geographical boundary

**Right Option Id : 112004**

**Question 129**

Mnemonics is-

Answer :

- (A) Theoretical Teaching aid
- (B) Visual teaching aid
- (C) Memory teaching aid
- (D) All of the above

**Question Id : 113**

Option Id

- 113001
- 113002
- 113003
- 113004

**Right Answer :**

Memory teaching aid

**Right Option Id : 113003**

**Question 130**

Benefits of hands-on-learning are

Answer :

- (A) To learn new skills
- (B) Encourages interaction with nature

**Question Id : 114**

Option Id

- 114001
- 114002

- (C) Both of the above
- (D) None of the above

- 114003
- 114004

**Right Answer :**  
Both of the above

**Right Option Id : 114003**

#### Other Skills

#### Question 131

Who were associated with the Indian league established in 1875 in Calcutta (now Kolkata) ?

Answer :

- (A) Sisir Kumar Ghosh and Arvindo Ghosh
- (B) Kali Mohan Das and Arvindo Ghosh
- (C) Sisir Kumar Ghosh and Sambhu Charan Mukherjee
- (D) None of these

**Question Id : 149**

Option Id

- 149001
- 149002
- 149003
- 149004

**Right Answer :**  
Sisir Kumar Ghosh and Sambhu Charan Mukherjee

**Right Option Id : 149003**

#### Question 132

Which is the only state in India producing muga silk ?

Answer :

- (A) Assam
- (B) Bihar
- (C) Orissa
- (D) West Bengal

**Question Id : 148**

Option Id

- 148001
- 148002
- 148003
- 148004

**Right Answer :**  
Assam

**Right Option Id : 148001**

#### Question 133

Which among the following is the effect of currency devaluation?

Answer :

- (A) Increase in imports
- (B) decrease in inflation
- (C) increase in exports
- (D) None of the above

**Question Id : 147**

Option Id

- 147001
- 147002
- 147003
- 147004

**Right Answer :**  
increase in exports

**Right Option Id : 147003**

#### Question 134

I It was the first India's Civil Disobedience movement launched by Mahatma Gandhi.

II. It was a protest against the injustice meted out to tenant farmers in Champaran district of Bihar. Which of the above statement(s) is/are correct about Champaran Satyagraha?

Answer :

- (A) Only I
- (B) Only II
- (C) Both I and II
- (D) Neither I nor II

**Question Id : 146**

Option Id

- 146001
- 146002
- 146003

146004**Right Answer :**

Both I and II

**Right Option Id : 146003****Question 135**

Which Union Ministry conducted the 'Mother Tongue Survey of India (MTSI)'?

Answer :

- (A) Ministry of Education
- (B) Ministry of Home Affairs
- (C) Ministry of Culture
- (D) Ministry of External Affairs

**Question Id : 145**

Option Id

- 145001
- 145002
- 145003
- 145004

**Right Answer :**

Ministry of Home Affairs

**Right Option Id : 145002****Question 136**

Which of the following gasses are called Greenhouse gasses?

Answer :

- (A) Methane
- (B) Nitrogen
- (C) Carbon dioxide
- (D) Both a and c

**Question Id : 144**

Option Id

- 144001
- 144002
- 144003
- 144004

**Right Answer :**

Both a and c

**Right Option Id : 144004****Question 137**

How many main components are there in integrated waste management?

Answer :

- (A) Two
- (B) Three
- (C) Seven
- (D) Eleven

**Question Id : 143**

Option Id

- 143001
- 143002
- 143003
- 143004

**Right Answer :**

Two

**Right Option Id : 143001****Question 138**

Which type of farming causes more deforestation?

Answer :

- (A) Subsistence farming
- (B) Commercial farming
- (C) Mixed farming
- (D) Dairy farming

**Question Id : 142**

Option Id

- 142001
- 142002
- 142003
- 142004

**Right Answer :**

Subsistence farming

**Right Option Id : 142001**



**Question 139**

The El-Nino Phenomenon occurs in

Answer :

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

**Right Answer :**  
Pacific Ocean

**Question Id : 141**

Option Id

- 141001
- 141002
- 141003
- 141004

**Right Option Id : 141002****Question 140**

The Gangetic dolphin belongs to which of the following categories of fauna?

Answer :

- (A) Endangered species
- (B) Vulnerable species
- (C) Rare species
- (D) Extinct species

**Right Answer :**  
Vulnerable species

**Question Id : 131**

Option Id

- 131001
- 131002
- 131003
- 131004

**Right Option Id : 131002****Question 141**

Of the 20 cycles sold by Ajay, average cost of 12 cycles is Rs. 18000. In total he earned Rs. 300000. What was the average cost of remaining cycles?

Answer :

- (A) Rs. 10500
- (B) Rs. 7500
- (C) Rs. 9125
- (D) Rs. 9750

**Right Answer :**  
Rs. 10500

**Question Id : 139**

Option Id

- 139001
- 139002
- 139003
- 139004

**Right Option Id : 139001****Question 142**

Calculate the compound interest on Rs. 4000 for 2 years at 20% per annum when compounded annually.

Answer :

- (A) 1856.4
- (B) 1756.4
- (C) 1846.4
- (D) 1746.4

**Right Answer :**  
1856.4

**Question Id : 138**

Option Id

- 138001
- 138002
- 138003
- 138004

**Right Option Id : 138001****Question 143**

$11.71 - 0.86 + 1.78 - 9.20 = ?$

Answer :

- (A) 2.43

**Question Id : 137**

Option Id

- 137001

- (B) 2.45  137002
- (C) 3.13  137003
- (D) 3.43  137004

**Right Answer :**  
3.43

**Right Option Id : 137004**

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

The sum of two numbers is 156 and their HCF is 13. The numbers of such number pairs is

Answer :

Option Id

- (A) 2  136001
- (B) 5  136002
- (C) 4  136003
- (D) 3  136004

**Right Answer :**  
2

**Right Option Id : 136001**

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

50 If the height of the building and distance from the building foot's to a point is increased by 20%, then the angle of elevation on the top of the building:

Answer :

Option Id

- (A) Increases  135001
- (B) Decreases  135002
- (C) Do not change  135003
- (D) None of the above  135004

**Right Answer :**  
Do not change

**Right Option Id : 135003**

**Question 146****Question Id : 134**

Umbrage : Offense :: Elation : ?

Answer :

Option Id

- (A) Decoration  134001
- (B) Penance  134002
- (C) Jubilance  134003
- (D) Meaning  134004

**Right Answer :**  
Jubilance

**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) Fir  133001
- (B) Tail  133002
- (C) Trunk  133003
- (D) Feather  133004

**Right Answer :**

Fir

**Right Option Id : 133001****Question 148**

7,11,13,17, 19, \_

Answer :

(A) 21

(B) 29

(C) 23

(D) 31

**Question Id : 132**

Option Id

 132001 132002 132003 132004**Right Answer :**

23

**Right Option Id : 132003****Question 149**

If SPIDER is written as PSDIRE in a certain code, how would COMMON be written in that code?

Answer :

(A) OCMMON

(B) OCMOMN

(C) OCMMNO

(D) OCOMMO

**Question Id : 140**

Option Id

 140001 140002 140003 140004**Right Answer :**

OCMMNO

**Right Option Id : 140003****Question 150**

Introducing a man, a woman said, "His wife is the only daughter of my father". How is that man related to the woman?

Answer :

(A) Brother

(B) Father-in-law

(C) Maternal Uncle

(D) Husband

**Question Id : 150**

Option Id

 150001 150002 150003 150004**Right Answer :**

Husband

**Right Option Id : 150004**