QUESTION PAPER

Adda247

Uchcha Madhyamic Computer Science [SHIFT - 1]

Time : 10:00 AM - 12:30 PM

Subject Code : 226

Right Option Id : 54003

Exam Date : 12/09/2023

Subject Name : Computer Science

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 + 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 + ABCD	ight 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 :	Right Option Id : 55001
AND gates and OR gates	
Question 3	Question Id : 54
Question 3 Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor? Answer :	
Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor?	
Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor? Answer :	Option Id
Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor? Answer : (A) Shift register	Option Id 54001
Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor? Answer : (A) Shift register (B) Parallel register	Option Id 54001 54002

Right Answer :

Accumulator register

Question 4 Which logic family uses both depletion and enhancement mode MOSFETs for its operation?	Question Id : 53
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) = $\Sigma(0, 1, 2, 3, 5)$, 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 : A'B' + AB' + AB + AC	otion ld : 51001
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
	50001

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

(D) Subtract the carry from the MSB

Right Answer :

Add the carry to the least significant bit (LSB)

Question 8

50003

50004

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

Answer :

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

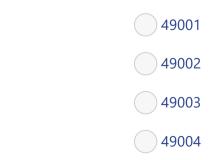
(B) Multiply the most significant bit (MSB) by the multiplier

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

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

Right Answer :

Multiply the least significant bit (LSB) by the multiplier



Right Option Id : 50002

Right Option Id : 49001

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?

Right Answer :	Right Option Id : 48002
(D) The position of parity bits is irrelevant in Hamming Code	48004
(C) Distance between parity bits has no impact on error correction capability	48003
(B) Closer parity bits provide lower error correction capability	48002
(A) Closer parity bits provide higher error correction capability	48001
Answer :	Option Id

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 :

Exclusive OR (XOR) operation

Question 11 Which component of an ideal mic	crocomputer is responsible for temporarily hold	ing data and instructions during processing?	Question Id : 46
Answer :			Option Id
(A) CPU			46001
(B) ALU			46002
(C) Memory			46003
(D) Output devices			46004
Right Answer : Memory			Right Option Id : 46003

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

Right Answer :

In bits





Right Option Id : 45003

Right Option Id : 47003

Question 13

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

Answer :

(A) Operating systems for computers

(B) Entertainment systems in airplanes

(C) Engine control in cars

Question Id : 44





(D) Weather forecasting systems

Right Answer :

Question 15

(A) Greedy algorithm

(B) Divide and conquer

(C) Dynamic programming

Answer :

(D) Tradeoff

Engine control in cars

Question Id: 43 Question 14 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 Option Id : 43003 Right Answer :** Hash tables

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?



Question Id : 42

Option Id

42001

42002

42003

42004

41001

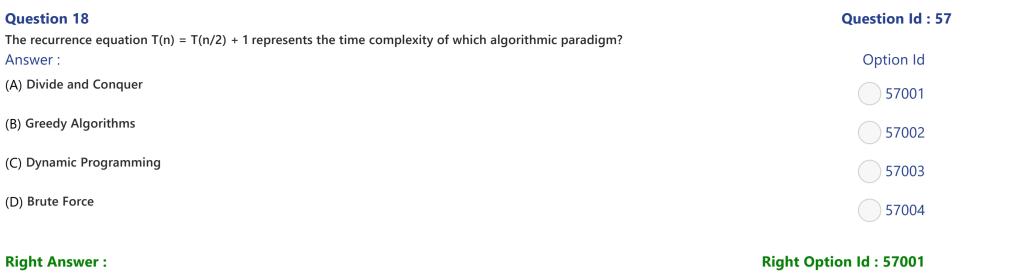
41002

41003

41004

Right Option Id: 44003

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? Option Id Answer: (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))



Divide and Conquer

Question 19 Divide and Conquer is an algorithmic paradigm that solves problems by:	Question Id : 58
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 : Recursively solving subproblems	Right Option Id : 58002
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

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

Question Id : 73

Option Id

(A) DFS	73001
(B) BFS	73002
(C) Both DFS and BFS	73003
(D) Neither DFS nor BFS	73004
Right Answer : DFS	Right Option Id : 73001

Question 22

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

Question Id : 72

Right Answer :	Right Option Id : 72001
(D) {A, B}	72004
(C) <a, b=""></a,>	72003
(B) [A, B]	72002
(A) (A, B)	72001

(A, B)

Question 23	Question Id : 71
Separate chaining involves storing collided elements in separate data structures, typically in: Answer :	Option Id
(A) Linked lists	71001
(B) Arrays	71002
(C) Stacks	71003
(D) Queues	71004
Right Answer :	Right Option Id : 71001

Linked lists

Question 24 Which collision resolution technique involves placing collided elements in the next availab	Question Id : 70
Answer :	Option Id
(A) Linear probing	70001
(B) Quadratic probing	70002
(C) Separate chaining	70003
(D) Double hashing	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 p Answer :	Question Id : 69 Option Id

(A) n

(B) 2n



2^n - 1

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

(A) More recursive function calls

(B) Loops

(C) Additional memory allocation



69003

69001

69002



Loops

Right Option Id : 68002

Question 27	Question Id : 66
A formal model of protection in an operating system provides: Answer :	Option Id
(A) A mathematical framework for analyzing resource allocation	66001
(B) Guidelines for designing user interfaces	66002
(C) Methods for optimizing memory management	66003
(D) Techniques for improving CPU utilization	66004
Right Answer :	Right Option Id : 66001

A mathematical framework for analyzing resource allocation

Overting 28	Overtice Id. 50
Question 28 In an operating system, a "buffer cache" is used to:	Question Id : 59
Answer :	Option Id
(A) Store files in memory	59001
(B) Store copies of frequently used files in memory	59002
(C) Store the operating system kernel	59003
(D) Store input/output devices	59004
Right Answer : Store copies of frequently used files in memory	Right Option Id : 59002
Question 29 File manipulation operations in an operating system include: Answer :	Question Id : 65 Option Id
(A) Allocating memory to files	65001
(B) Assigning file names to processes	65002
(C) Loading files into CPU registers	65003
(D) Reading, writing, and modifying file content	65004

Right Answer :

Reading, writing, and modifying file content

Question 30

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

(A) Allocating memory for processes

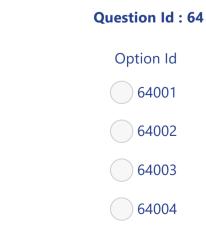
(B) Managing the file system

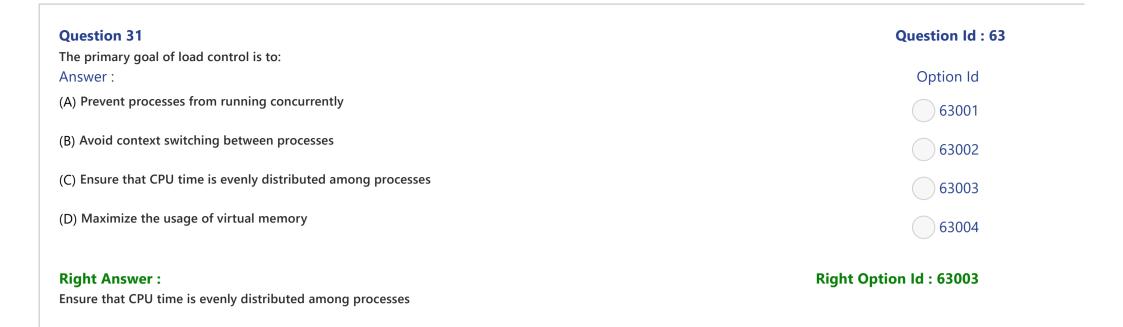
(C) Managing input/output operations between processes and input/output devices

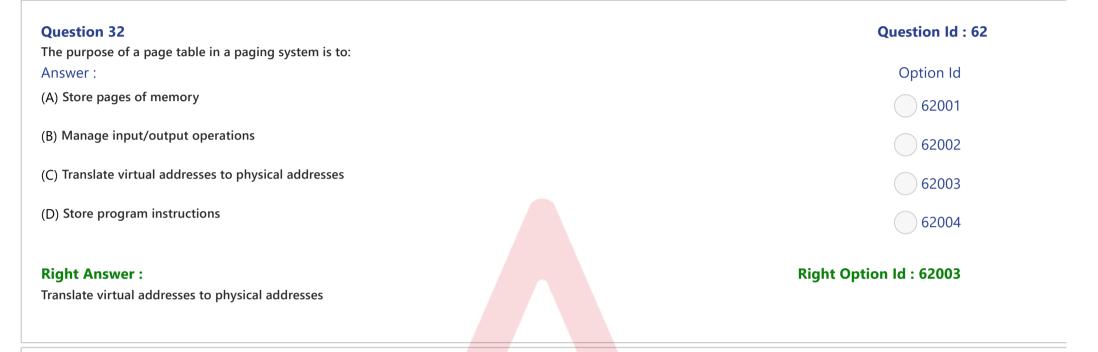
(D) Allocating CPU time to processes

Right Answer :

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







Question 33			Question Id : 61
In multiprogramming with fixed p	artitions, if a process requires more memory	<mark>r than is available in a p</mark> artition, it may lead to:	
Answer :			Option Id
(A) Fragmentation			61001
(B) Deadlock			61002
(C) Priority inversion			61003
(D) Starvation			61004
Right Answer : Fragmentation			Right Option Id : 61001

Question Id : 60

Option Id

(A) DBMS is a collection of queries

(B)) DBMS is a high-level language

(C) DBMS is a programming language

(D) DBMS stores, modifies and retrieves data

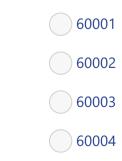
Right Answer :

Question 34 What is DBMS? Answer :

DBMS stores, modifies and retrieves data

Question 35

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



Right Option Id : 60004

Question Id: 40



Locks are used to maintain transactional integrity and consistency

Question 36	Question Id : 39
The term "NTFS" refers to which one of the following? Answer :	Option Id
(A) New Technology File System	39001
(B) New Tree File System	39002
(C) New Table type File System	39003
(D) Both A and C	39004
Right Answer :	Right Option Id : 39001

New Technology File System

Question 37 Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sul	Question Id : 38
Answer :	Option Id
(A) Aggregation	38001
(B) Generalization	38002
(C) Specialization	38003
(D) All of the above	38004
Right Answer : Specialization	Right Option Id : 38003

Question 38 The term "DFD" stands for?	Question Id : 37
Answer :	Option Id
(A) Data file diagram	37001
(B) Data flow document	37002
(C) Data flow diagram	37003

37004

Right Answer :

Data flow diagram

Right Option Id : 37003

Question 39	Question Id : 17
The term "FAT" is stands for Answer :	Option Id
(A) File Allocation Tree	17001
(B) File Allocation Table	17002
(C) File Allocation Graph	17003

File Allocation Table

Right Option Id : 17002



Row Facts and figures

Question 41 What is the primary function of routing in the network layer? Answer : (A) Data framing (B) Error correction (C) Finding the best path for data (D) Flow control	Question Id : 15 Option Id 15001 15002 15003 15004
Right Answer : Right Finding the best path for data Finding the best path for data	nt Option Id : 15003
Question 42 What is a socket in the context of process-to-process communication? Answer : (A) A hardware device for data transmission (B) A software interface for network communication (C) A type of cable used for high-speed data transmission (D) type of network topology	Question Id : 14 Option Id 14001 14002 14003
	14004

Right Answer :

A software interface for network communication

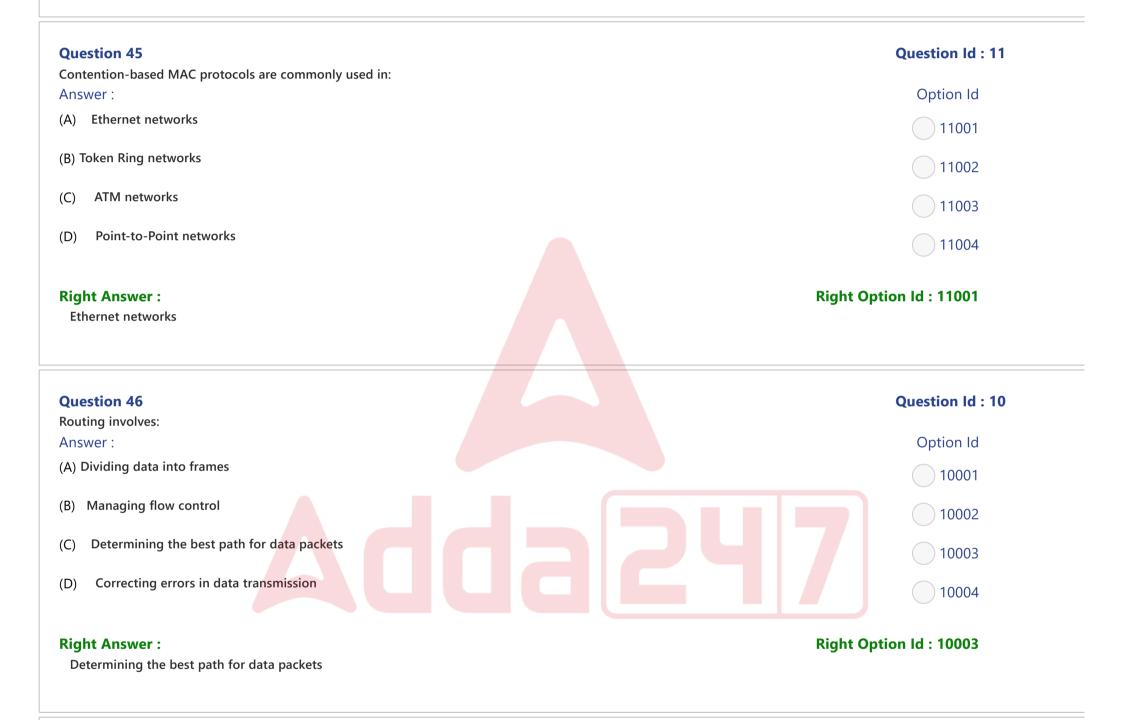
Question 43	Question Id : 13
Data transmission using multiple pathways simultaneously is known as: Answer :	Option Id
(A) Parallel Transmission	13001
(B) Serial Transmission	13002
(C) Duplex Transmission	13003
(D) Half-duplex Transmission	13004
	<u> </u>

Right Answer :

Parallel Transmission



Disk



Question 47

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

(A) To assign IP addresses to devices

Question Id : 9

Option Id

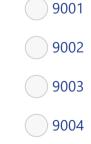
(B) To resolve domain names to IP addresses

(C) To map MAC addresses to IP addresses

(D) To manage network congestion

Right Answer :

To map MAC addresses to IP addresses



Right Option Id : 9003

Question 48

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

Answer :

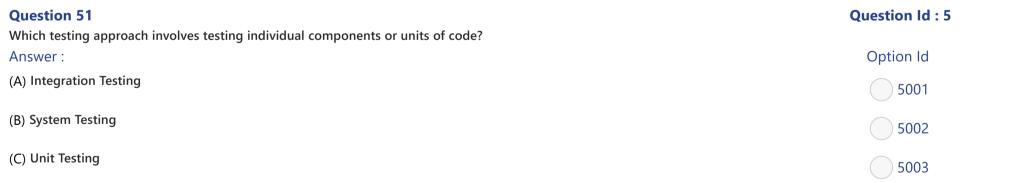
Question Id : 8



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 :	Right Option Id : 7003

To establish and enforce standards and processes to improve software quality





(D) Acceptance Testing

Right Answer :

Unit Testing

What is the main goal of System Testing? Answer :

(A) Testing individual components in isolation

(B) Testing the integration between different software components

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

Right Option Id : 5003

Question Id : 4 Option Id







Testing software functionality from the user's perspective

4004

Question 53	Question Id : 3
Which metric is used for estimating the size of a software project? Answer :	Option Id
(A) Cyclomatic Complexity	3001
(B) Function Points (FP)	3002
(C) Defect Density	3003
(D) Software Reliability Index	3004
Right Answer :	Right Option Id : 3002

Function Points (FP)

Question 54	Question Id : 18
What is the purpose of staffing level estimation in software project management? Answer :	Option Id
(A) To determine the number of hardware components required	18001
(B) To identify potential risks in the project	18002
(C) To allocate appropriate resources to the project	18003
(D) To estimate the maintenance costs of the software	18004
Right Answer : To identify potential risks in the project	Right Option Id : 18002
Question 55 Which keyword is used to create an instance of a class in most programming languages?	Question Id : 2
Answer :	Option Id
(A) alloc	2001
(B) new	2002
(C) create	2003
(D) instance	2004

Right Answer :

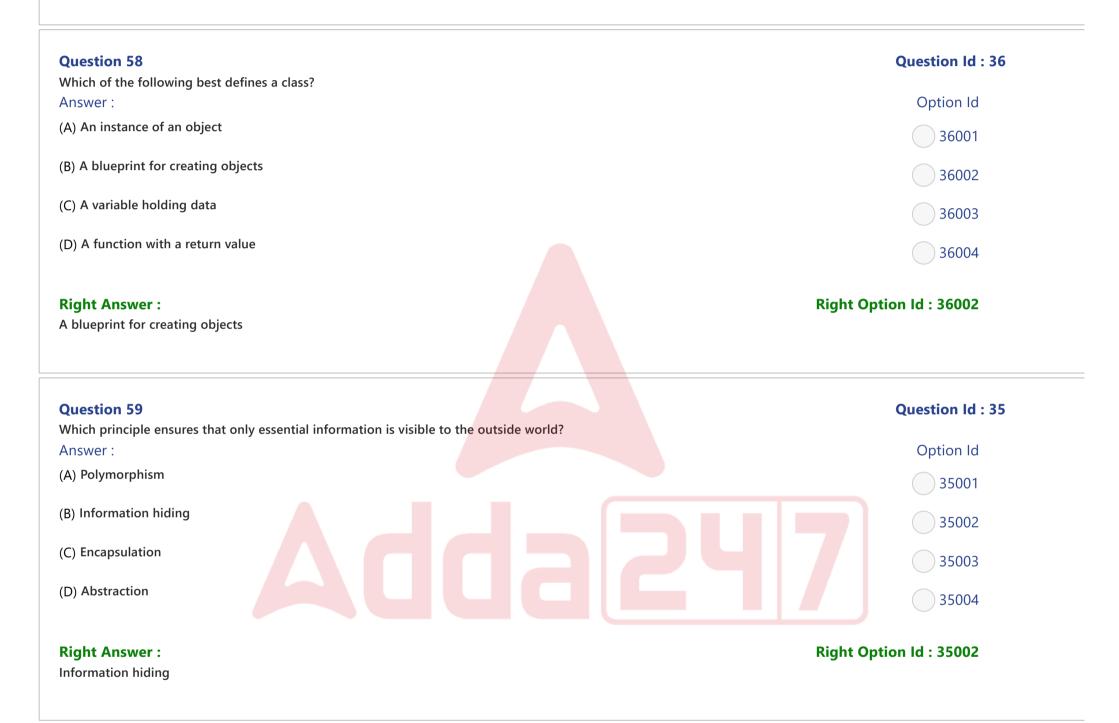
new

Question 56	Question Id : 19
What is an abstract class in OOP? Answer :	Option Id
(A) A class with no methods	19001
(B) A class that cannot be instantiated	19002
(C) A class that can only have private members	19003
(D) A class that cannot have methods with parameters	19004
Right Answer :	Right Option Id : 19002

A class that cannot be instantiated

Question 57	Question Id : 21
What is the purpose of the "super" keyword in Java and other similar languages? Answer :	Option Id
(A) It refers to the superclass in inheritance	21001
(B) It creates a new object instance	21002
(C) It defines a new class	21003
(D) It handles exceptions	21004
Right Answer :	Right Option Id : 21001

It refers to the superclass in inheritance



Question 60 What is the main purpose of inheritance in OOP? Answer : **Question Id : 34**

(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

Right Option Id : 34003

Question Id: 33

Option Id

Question 61

What are abstract methods?

Answer :

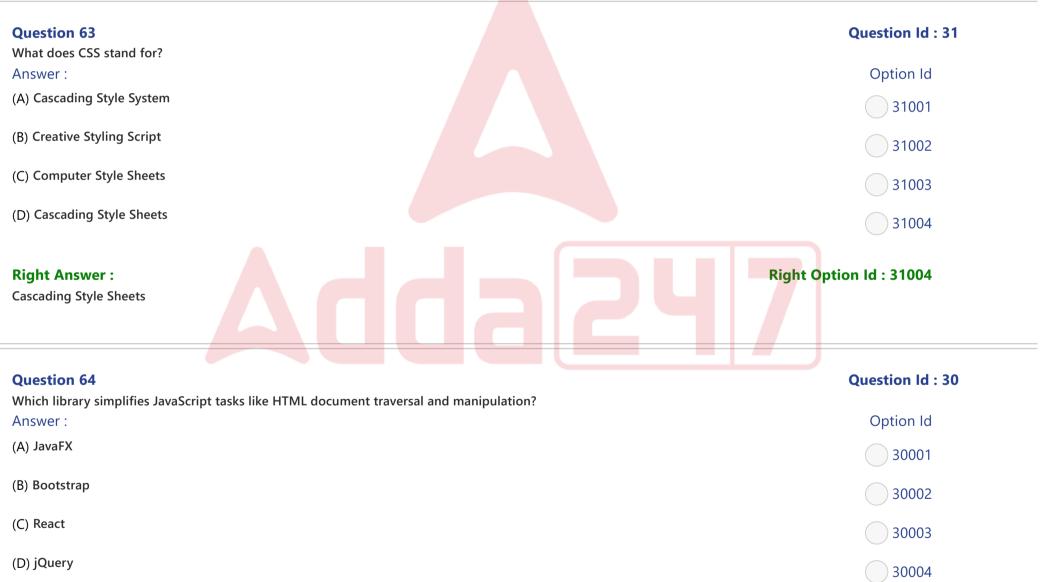


Methods without a body, defined in an abstract class



Right Answer :

SMTP



Right Answer :

jQuery

Question 65

What does AJAX stand for?

Answer :

(A) Asynchronous JavaScript and XML

(B) Automated JavaScript and XHTML

(C) Advanced JavaScript and XML

Right Option Id : 30004

Question Id : 29

Option Id

29001



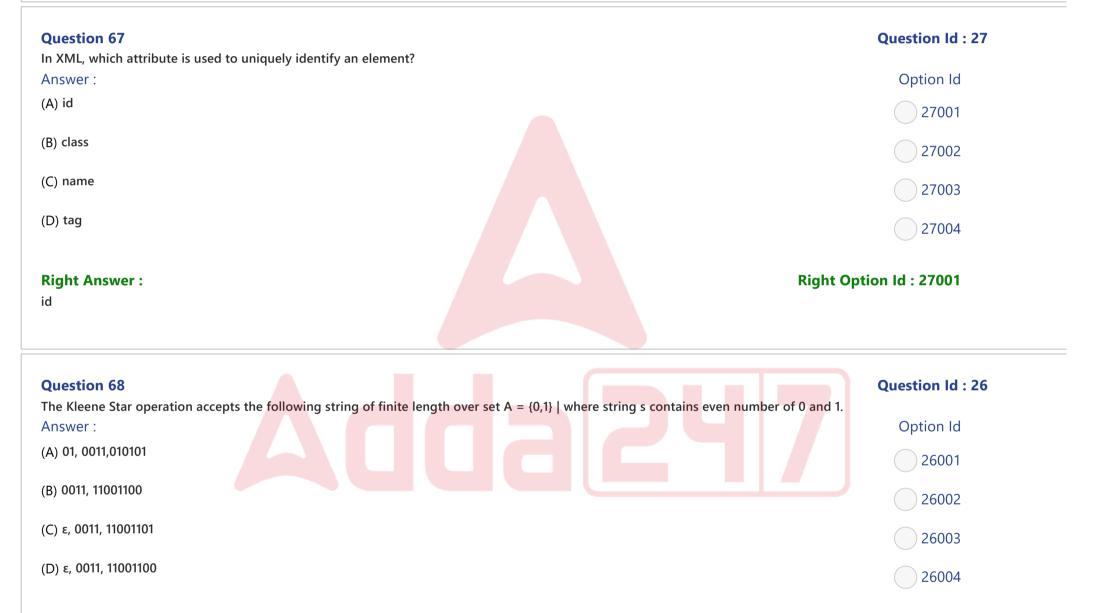


Asynchronous JavaScript and XML

29004

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 :	Right Option Id : 28003

In a parent-child relationship



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

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?	Question Id : 24
Answer :	Option Id
(A) u-1	24001
(B) v-1	24002
(C) u-1v-1	24003
(D) ε	24004
Right Answer : R	ight Option Id : 24004

Question 71 For a DFA accepting binary numbers whose decimal equivalent is divisible by 3, what are all the possible remainders?	Question Id : 23
Answer :	Option Id
(A) 0	23001
(B) 0,2	23002
(C) 0,1,2	23003
(D) 0,1,2,3	23004
Right Answer : 0,1,2	Right Option Id : 23003
Question 72	Question Id : 22
Minimum Number of states require to accept string ends with 101. Answer :	Option Id
(A) 3	22001
(B) 2	22002
(C) 1	22003
(D) can't be represented	22004
Right Answer :	Right Option Id : 22002
2	

Question 73

Question 75
If NFA of 5 states excluding the initial state is converted into DFA, maximum possible number of states for the DFA is?
Answer :

Question Id : 74

Option Id

(A) 64

Right Answer : 64	Right Option Id : 74001
(D) 187	74004
(C) 128	74003
(B) 32	74002
(A) 64	74001

Question 74

The class of CFG is not closed under Answer :

(A) Concatenation

Question Id : 20

Right Answer :	Right Option Id : 20004
(D) Repeated Concatenation.	20004
(C) Union	20003
(B) Intersection	20002
	20001

Repeated Concatenation.

Question 75	Question Id : 75
Which among the following is not true about IoT? Answer :	Option Id
(A) IoT uses Micro Controllers	75001
(B) IoT is fully safe	75002
(C) IoT uses Sensors and Actuators	75003
(D) IoT uses wireless technology	75004
Right Answer :	Right Option Id : 75002

Right Answer :

IoT is fully safe

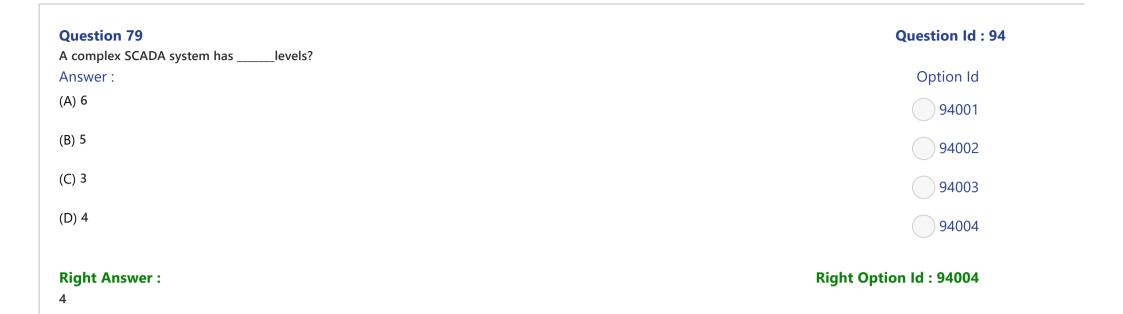
Question 76	Question Id : 78
About IoT, which among the followings isnot correct?	
Answer :	Option Id
(A) Light sensor is analog	78001
(B) microphone is a digital sensor	78002
(C) Keyboard is a digital sensor	78003
(D) Push button is a digital Sensor	78004
Right Answer : microphone is a digital sensor	Right Option Id : 78002
Question 77	Question Id : 92
BLE stands for Answer :	Option Id
(A) Bluetooth large energy	
	92001
(B) Bluetooth low energy	92002
(C) Bluetooth light energy	92003
(D) Bluetooth long energy	92004

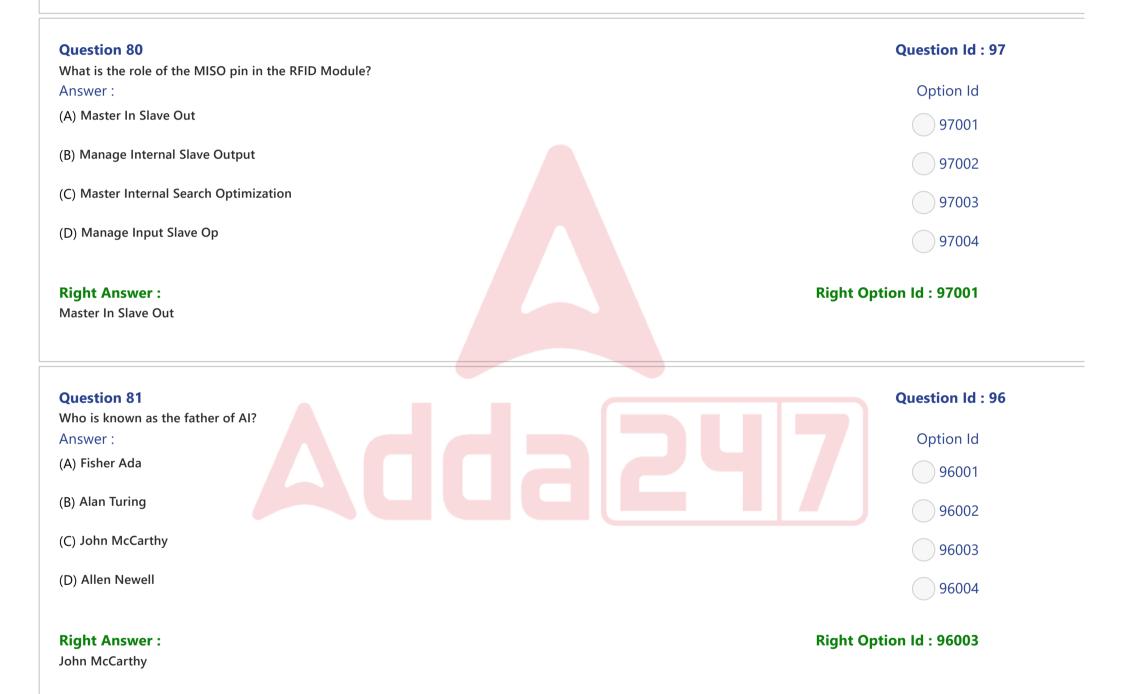


Bluetooth low energy



Wireless Sensor Protocol





Question 82

Programming language commonly used for AI is? Answer :
(A) Lisp
(B) Perl
(C) Prolog
(D) C++
Right Answer : Perl

Question Id : 91

Option Id

91001

91002

91003

91004

Question 83	Question Id : 98
The algorithm used in the Game tree to make decisions of Win/Lose is? Answer :	Option Id
(A) Heuristic Search Algorithm	98001
(B) DFS/ BFL algorithm	98002
(C) Greedy Search algorithm	98003
(D) Min/Max algorithm	98004
Right Answer :	Right Option Id : 98004

Min/Max algorithm



Question 86

What does a first order predicate logic contain? Answer : (A) Predicate and a subject

Question Id : 95



(B) Predicate and a Preposition

(C) Subject and an object

(D) None of the above

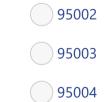


Predicate and a subject

Question 87

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

(A) Precision



Right Option Id : 95001

Question Id : 90



90004
90003
90002

Learning

Question 88	Question Id : 77
Which of the following is part of the four main types for e-commerce? Answer :	Option Id
(A) B2B	
(B) B2C	77001
	77002
(C) C2B	77003
(D) All of the above	77004
Right Answer :	Right Option Id : 77004

All of the above

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 busin lower bids until there is only one seller left?	Question Id : 88 ness by submitting successively
Answer :	Option Id
(A) B2B Marketplace	88001
(B) Auction	88002
(C) Reverse Auction	88003
(D) Intranet	88004
Right Answer : Reverse Auction	Right Option Id : 88003
Question 90 If it is easy for competitors to enter the market, the threat of new entrants is considered: Answer :	Question Id : 87 Option Id
Question 90 If it is easy for competitors to enter the market, the threat of new entrants is considered:	
Question 90 If it is easy for competitors to enter the market, the threat of new entrants is considered: Answer :	Option Id
Question 90 If it is easy for competitors to enter the market, the threat of new entrants is considered: Answer : (A) Low	Option Id 87001

Right Answer :

High

Right Option Id : 87002

Question 91 Question Id : 89 Which of the following refers to creating products tailored to individual customers? Option Id (A) Customization 89001 (B) Adaptation 89002 (C) Direct material 89003

(D) Auction

Answer :

Customization

Right Option Id : 89001

Question Id : 86 Question 92 Which form of e-marketplace brings together buyers and sellers from the same industry? Option Id Answer : (A) Horizontal 86001 (B) Vertical 86002 (C) integrated 86003 (D) isolated 86004 **Right Answer : Right Option Id : 86002** Vertical

Question 93	Que	stion Id : 85
Which of the following is done by Secure Sockets Layers? Answer :	C	ption 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 : All of the above	Right Option Id	: 85004
Question 94 The delay that occur during the playback of a stream is called Answer : (A) Stream delay (B) Playback delay (C) Jitter		stion Id : 84 ption Id 84001 84002
(D) Event delay		84003 84004
Right Answer : Jitter	Right Option Id	: 84003

Question 95

In teardown state of real time streaming protocol is _____ Answer :

(A) the server resources for client

(B) server delivers the stream to client

(C) server suspends delivery of stream

(D) server breaks down the connection

Right Answer : server breaks down the connection

Option Id 76001

Question Id : 76







Question 96Question Id : 83In Real Time Interactive Audio Video, Jitter is introduced in real-time data by delay between__Option IdAnswer :Option Id(A) pixels83001(B) layers83002(C) frames83003(D) packets83004

Right Answer :

packets



Question 99

Each ___ represents a particular colour. Answer : (A) Frame

Question Id : 80

Right Option Id : 83004



(B) Character

(C) Pixel value

(D) None of the above

Right Answer :

Pixel value

80003

80002



Right Option Id : 80003

Question 100

____ is basically a form of pictorial presentation.

Answer :

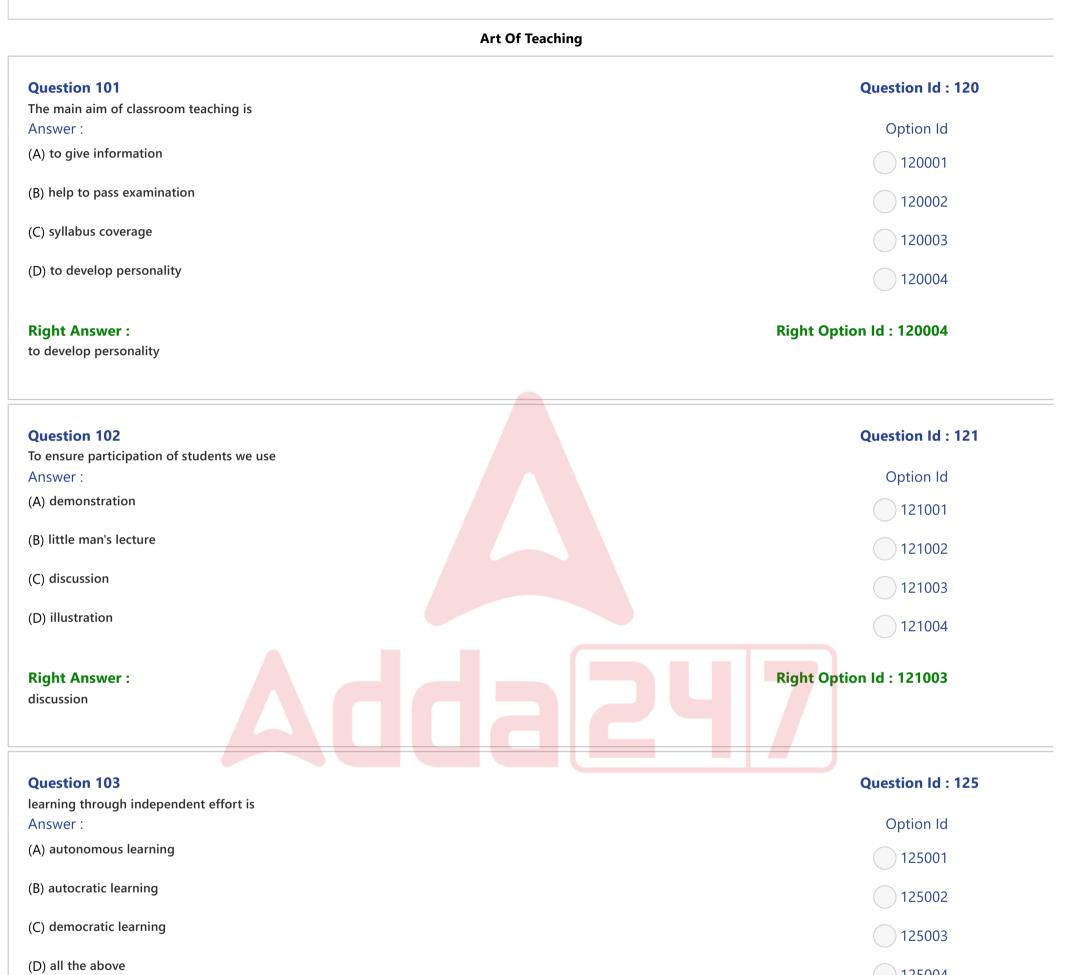
(A) Photography

Question Id : 79



Right Answer :	Right Option Id : 79002	
(D) Creativity	79004	
(C) Drawing	79003	
(B) Animations	79002	

Animations



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

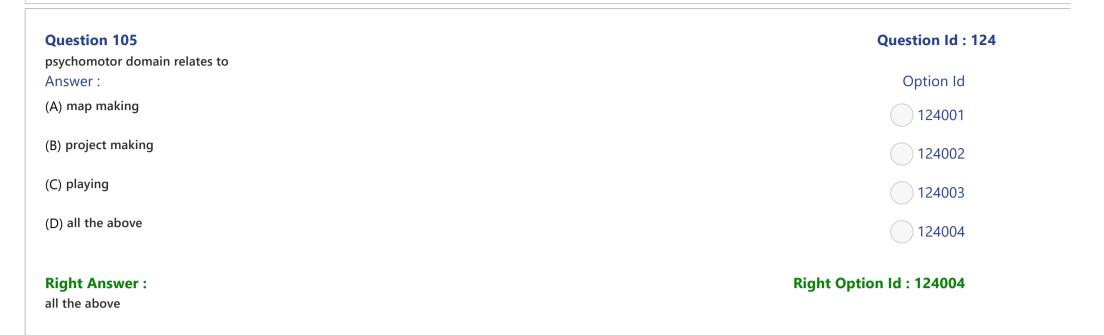
123001

123002



All the above

Right Option Id : 123004





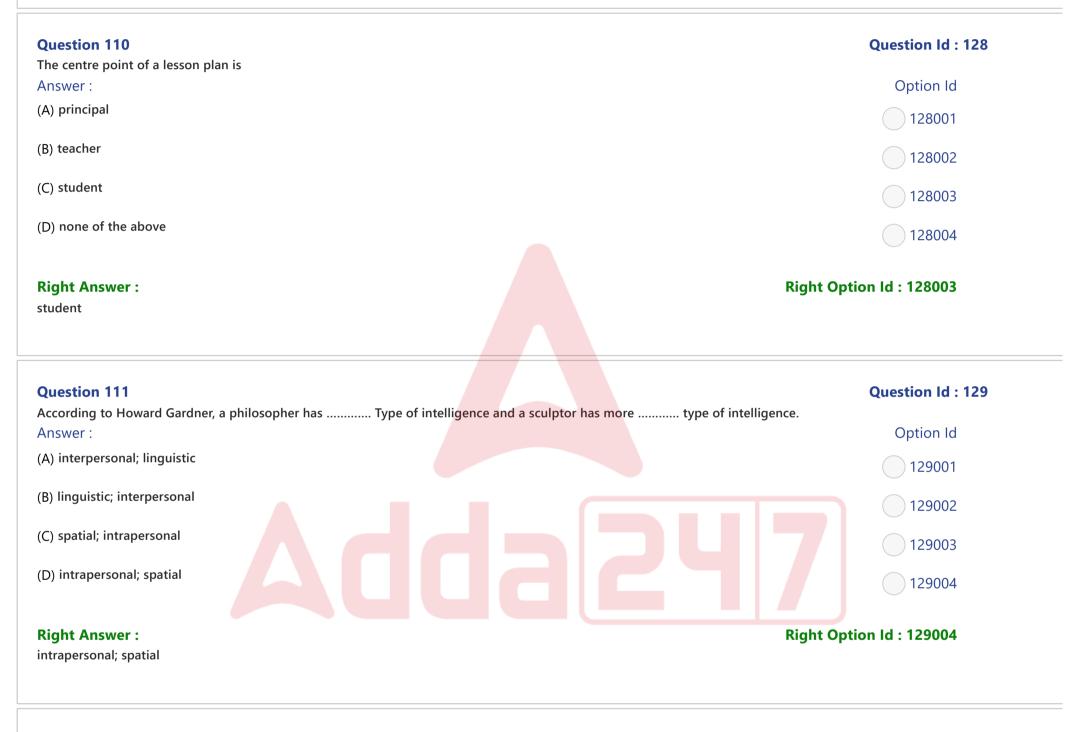
Right Answer : heuristic method



Right Answer :

previous knowledge





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.

Question Id : 108

Option Id

108001

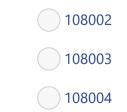
(B) I received a low grade because the teacher is a tough grader.

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

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

Right Answer :

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



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

	130001
(B) what is the relationship between nouns and verbs in a sentence?	130002
(C) what is the definition of a verb?	130003
(D) how do you change a verb to the present tense?	130004
Right Answer : how has your thinking about the use of verbs changed since the beginning of the class ?	Right Option Id : 130001
Question 114	Question Id : 122
Micro teaching is more effective Answer :	Option Id
(A) always	122001
(B) after the teaching-practice	122002
(C) during the teaching-practice	122003
(D) during the preparation for teaching-practice	122004
Right Answer : during the teaching-practice	Right Option Id : 122003
Question 115 Which of the following are the characteristics of a person with scientific attitude?	Question Id : 118
Answer :	Option Id
(A) Brevity	118001
(B) Objectivity	118002
(C) Adventure	118003
(D) Sharp memory	118004
Right Answer : Objectivity	Right Option Id : 118002
Question 116	Question Id : 115
Library man Provide Answer :	Option Id
(A) Physical mateial	115001
(B) Digital material	115002
(C) Both A & B	115003
(D) None of these	115004

Right Answer :

Both A & B

Which of the following components are essential for library?

Answer :

(A) Learning

(B) Walking

(C) Playing

115004

Right Option Id : 115003

Question Id : 116

Option Id

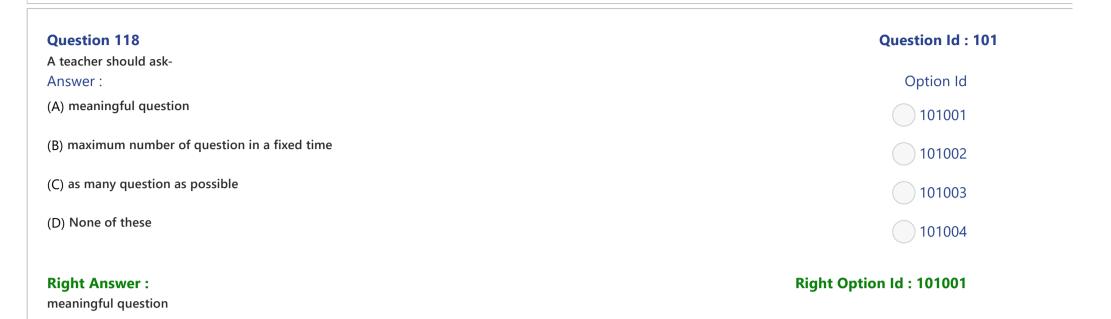


116002



Learning

Right Option Id : 116001



Question 119 Which of the following important cause of failure for teacher?	Question Id : 102
Answer :	Option Id
(A) interpersonal relationship	102001
(B) verbal ability	102002
(C) lack of command over the knowledge of subject	102003
(D) None of the above	102004
Right Answer : lack of command over the knowledge of subject	Right Option Id : 102003
Question 120 Teacher should master during his teaching period	Question Id : 104
Answer :	Option Id
(A) in one of the teaching method	104001
(B) equally acros all teaching method	104002
(C) Both A & B	104003
(D) None of these	104004

Right Answer : equally acros all teaching method

Question 121 Knowledge is-	Question Id : 105
Answer :	Option Id
(A) Information	105001
(B) Application	105002
(C) Analysis	105003
(D) Understanding	105004

Right Answer :

Information



During the teaching learning process



Question 125 Which of the following is not the nature of curriculum? Answer :

Question Id : 109



Active	
Right Answer :	Right Option Id : 109004
(D) Active	109004
(C) Conservative	109003
(B) Creative	109002
(A) Critical	109001

Question 126

The biggest challenge before democracy is -Answer :

(A) Fundamentalism

Question Id : 110





as a friend

Question 128	Question Id : 112
Failure can be our best teacher if- Answer :	Option Id
A) we work harder than before	112001
3) we know the reasons of failure	
	112002
C) we know the reasons of failure and then being encouraged we work harder than before	112003
D) none of the above	112004
Right Answer : we know the reasons of failure and then being encouraged we work harder than before	Right Option Id : 112003
uestion 129	Question Id : 113
Chal-Board is a kind of teaching aid- Answer :	Option Id
A) Visual	
	113001
3) Audio	113002
C) Audio-Visual	113003
)

(D) All of the above

113004

Right Answer :

Visual

Right Option Id : 113001

Question Id : 114

Option Id

114001

114002



Question 130

Television is

Answer :

(A) Visual aid

(B) Audio-visual aid

(C) Audio aid

Audio-visual aid

114004

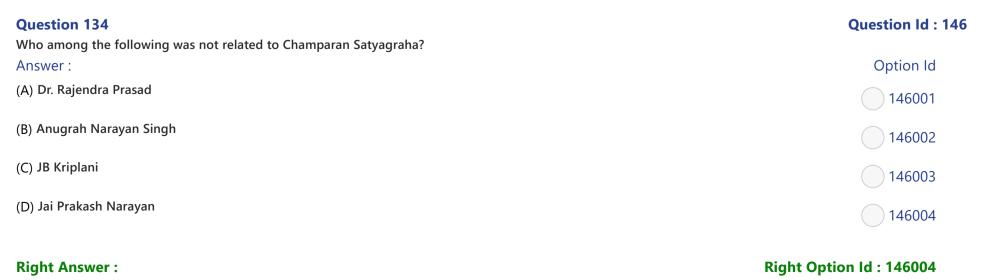
Right Option Id : 114002

Other Skills

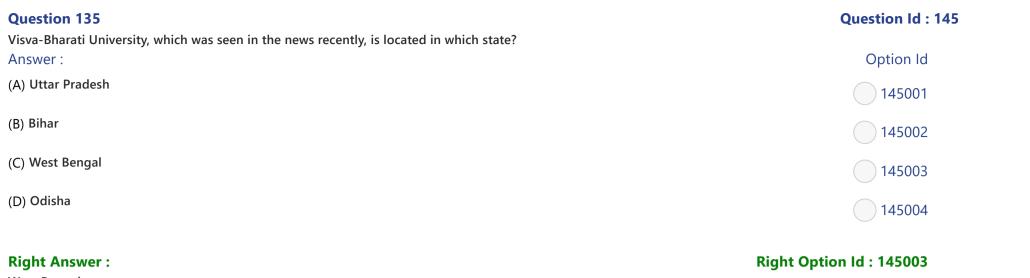
Question 131 There were wides used rises excinct the British in the 1820s. Which are of the following did not revolt in the 1820s2	Question Id : 149
There were widespread rises against the British in the 1820s. Which one of the following did not revolt in the 1820s? Answer :	Option Id
(A) Santhals	149001
(B) Ahoms	149002
(C) Pagal Panthis	149003
(D) Ramosi	149004
Right Answer : Santhals	Right Option Id : 149001

Question 132	Question Id : 148
If the Sun rises at Tirap in Arunachal Pradesh at 5.00 am (IST), then when (IST) the Sun will rise in Kandla, Gujarat?	
Answer :	Option Id
(A) About 5.00 a.m.	148001
(B) About 6.20 a.m.	148002
(C) About 7.30 a.m.	148003
(D) About 7.00 a.m.	148004
Right Answer :	Right Option Id : 148004
About 7.00 a.m.	
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%



Jai Prakash Narayan



West Bengal

Question 136 Rama plays cricket with his friends every evening. Which energy does he use to play cricket?	Question Id : 144
Answer :	Option Id
(A) Sound energy	144001
(B) Light energy	144002
(C) Chemical energy	144003
(D) Muscular energy	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?	Question Id : 143
Answer : (A) Ponni rice	Option Id 143001
(B) Bora rice	143001
(C) Arborio rice	143003
(D) Bomba rice	143004
Right Answer : Bora rice	Right Option Id : 143002

Question 138

When we burn fuels, we get : Answer :

Question Id : 142

Option Id

(A) Light and sound energy

(B) Only light energy

(C) Heat and light energy

(D) Mechanical and Light energy

Right Answer :

Heat and light energy

Right Option Id : 142003

Question 139

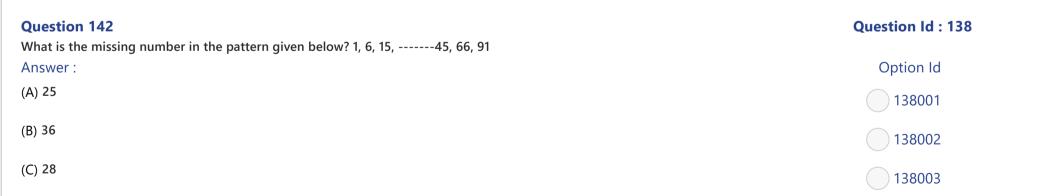
Consider the following statements about snakes and identify the Incorrect one from the following:

Question Id : 141

Answer :	Option Id
(A) They chew up their prey	141001
(B) They swallow their food whole	141002
(C) Snakes have sharp teeth	141003
(D) Poisonous snakes have fangs.	141004

They chew up their prey

Question 140 Question Id : 131 With respect to Gujarat, the locations of Uttar Pradesh and Andhra Pradesh, respectively, are: Answer : Option Id (A) North-West; Saouth-East 131001 (B) North-West; South-West 131002 (C) North-East; South-West 131003 (D) North-East; South-East 131004 **Right Option Id : 131004 Right Answer :** North-East; South-East **Question Id: 139 Question 141** Which one of the following groups have all 3-dimensional shapes? Option Id Answer : (A) Cube, Cuboid, Sphere, Cylinder 139001 (B) Cube, Cuboid, Semi-Circle, Cone 139002 (C) Cube, Cuboid, Circle, Cone 139003 (D) Cube, Cuboid, Circle, Triangle 139004 Right Option Id : 139001 **Right Answer :** Cube, Cuboid, Sphere, Cylinder



Right Answer :

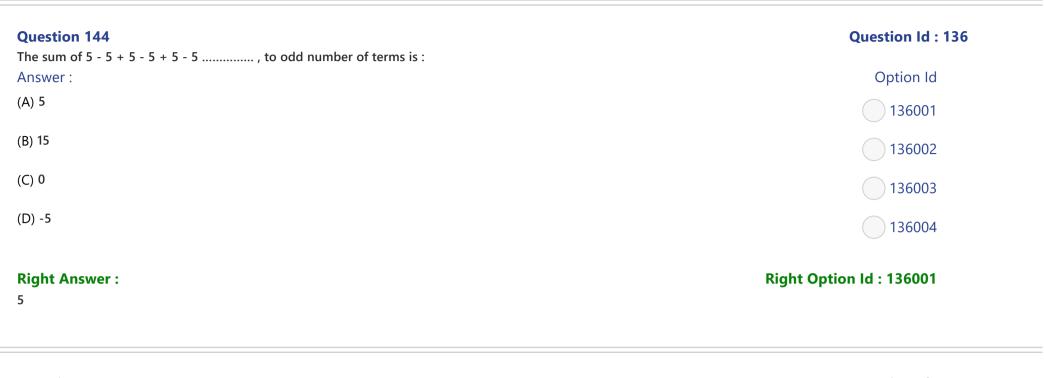
28

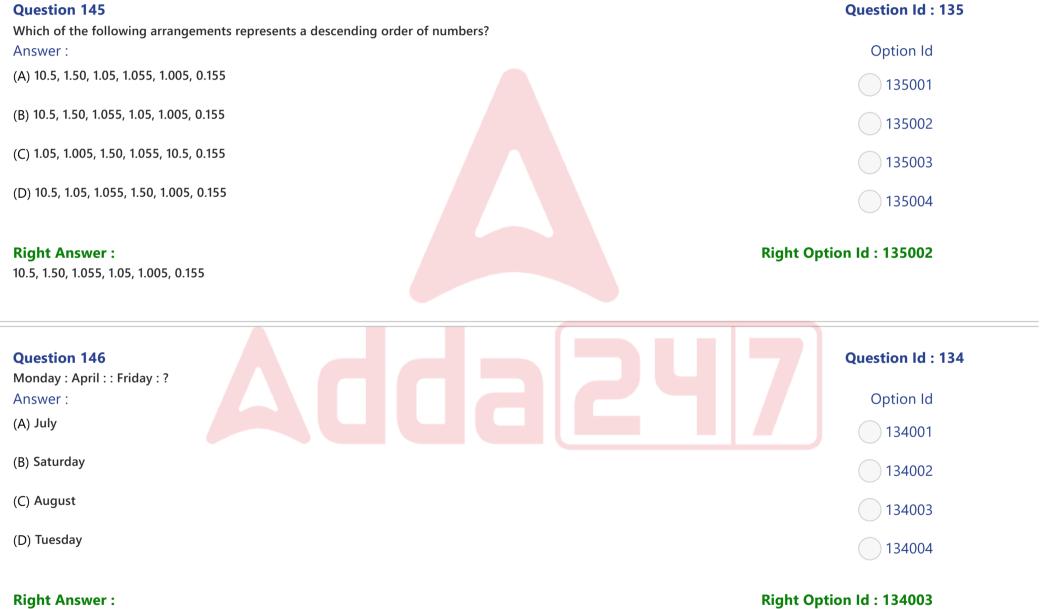
Question 143 A whole number is added to 100 and the same number is subtracted from 100. the sum of the two resulting numbers so obtained is :	Question Id : 137
Answer :	Option Id
(A) 100	137001
(B) 200	137002
(C) 0	137003

Right Option Id : 138003

200

Right Option Id : 137002





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

Heart

August

