

BSTET (Class 11-12)

**Previous Year Paper
(Computer Science)
03 Nov, 2025 Shift 2**

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Section : Part I Computer Science(226)

Q.1 Cat-5, Cat-5E and Cat-6 are examples of which of the following cables ?

- Ans ☒ A. Coaxial Cable
- ☒ B. Shielded Twisted Pair Cable
- ☒ C. Fiber Optic cable
- ☒ D. Unshielded Twisted Pair Cable

Question Type : MCQ
 Question ID : 4335766010
 Option 1 ID : 43357624037
 Option 2 ID : 43357624038
 Option 3 ID : 43357624039
 Option 4 ID : 43357624040
 Status : Answered
 Chosen Option : A

Q.2 In the context of minimum spanning trees, the "cut property" is used to justify the correctness of Prim's algorithm. What does the cut property state?

- Ans ☒ A. The algorithm always cuts the maximum weight edge.
- ☒ B. The algorithm always cuts the minimum weight edge.
- ☒ C. The algorithm always cuts an edge crossing the cut with the minimum weight.
- ☒ D. The algorithm always cuts an edge crossing the cut with the maximum weight.

Question Type : MCQ
 Question ID : 4335766082
 Option 1 ID : 43357624325
 Option 2 ID : 43357624326
 Option 3 ID : 43357624327
 Option 4 ID : 43357624328
 Status : Answered
 Chosen Option : C

Q.3 Aggregate functions can be used with.....clause. They can not be used with..... clause.

- Ans ☒ A. WHERE, HAVING
☒ B. HAVING, WHERE
☒ C. GROUP BY, HAVING
☒ D. SELECT, HAVING

Question Type : MCQ
 Question ID : 4335766000
 Option 1 ID : 43357623997
 Option 2 ID : 43357623998
 Option 3 ID : 43357623999
 Option 4 ID : 43357624000
 Status : Answered
 Chosen Option : D

Q.4 The concept of NP-Completeness was introduced by:

- Ans ☒ A. Stephen Cook
☒ B. Richard Karp
☒ C. Donald Knuth
☒ D. John Nash

Question Type : MCQ
 Question ID : 4335766080
 Option 1 ID : 43357624317
 Option 2 ID : 43357624318
 Option 3 ID : 43357624319
 Option 4 ID : 43357624320
 Status : Answered
 Chosen Option : B

Q.5 ISO 9000 and SEI CMM are both frameworks related to:

- Ans ☒ A. Network protocols
☒ B. Software architecture
☒ C. Software quality standards and process improvement
☒ D. Software development languages

Question Type : MCQ
 Question ID : 4335766205
 Option 1 ID : 43357624817
 Option 2 ID : 43357624818
 Option 3 ID : 43357624819
 Option 4 ID : 43357624820
 Status : Answered
 Chosen Option : C

Q.6 Which among the followings is/ are true as per the ZigBee standards?

- Ans ☒ A. Low power consumption
☒ B. Low data rate
☒ C. Low range
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766338
 Option 1 ID : 43357625349
 Option 2 ID : 43357625350
 Option 3 ID : 43357625351
 Option 4 ID : 43357625352
 Status : Answered
 Chosen Option : D

Q.7 The minimum number of edges in a spanning tree of a connected graph with "n" vertices is:

- Ans ☒ A. n
☒ B. n - 1
☒ C. n + 1
☒ D. $n(n-1)/2$

Question Type : MCQ
 Question ID : 4335766083
 Option 1 ID : 43357624329
 Option 2 ID : 43357624330
 Option 3 ID : 43357624331
 Option 4 ID : 43357624332
 Status : Answered
 Chosen Option : D

Q.8 Divide and Conquer is an algorithmic paradigm that solves problems by:

- Ans ☒ A. Iteratively solving subproblems
☒ B. Recursively solving subproblems
☒ C. Using heuristics to find solutions
☒ D. Greedily combining solutions

Question Type : MCQ
 Question ID : 4335766078
 Option 1 ID : 43357624309
 Option 2 ID : 43357624310
 Option 3 ID : 43357624311
 Option 4 ID : 43357624312
 Status : Answered
 Chosen Option : C

Q.9 A) Knowledge base (KB) is consists of set of statements. B) Inference is deriving a new sentence from the KB. Choose the correct option.

- Ans ☒ A. A is True, B is True
☒ B. A is False, B is False
☒ C. A is True, B is false
☒ D. A is false, B is True

Question Type : MCQ
 Question ID : 4335766366
 Option 1 ID : 43357625461
 Option 2 ID : 43357625462
 Option 3 ID : 43357625463
 Option 4 ID : 43357625464
 Status : Answered
 Chosen Option : A

Q.10 Which concept allows a class to inherit properties and behaviors from multiple classes?

- Ans ☒ A. Encapsulation
☒ B. Inheritance
☒ C. Polymorphism
☒ D. Multiple Inheritance

Question Type : MCQ
 Question ID : 4335766241
 Option 1 ID : 43357624961
 Option 2 ID : 43357624962
 Option 3 ID : 43357624963
 Option 4 ID : 43357624964
 Status : Answered
 Chosen Option : C

Q.11 Sangeeta asks her colleague for her project work and then copies the entire work and submits it to her team leader claiming it to be her own work. The act performed by Sangeeta is known as _____.

- Ans ☒ A. Phishing
☒ B. Plagiarism
☒ C. Spamming
☒ D. Virus

Question Type : MCQ
 Question ID : 4335768731
 Option 1 ID : 43357634921
 Option 2 ID : 43357634922
 Option 3 ID : 43357634923
 Option 4 ID : 43357634924
 Status : Answered
 Chosen Option : B

Q.12 What is the default format of data in MySQL?

- Ans ☒ A. DD-MM-YYYY
☒ B. MM-DD-YYYY
☒ C. YYYY-MM-DD
☒ D. YYYY-DD-MM

Question Type : MCQ
 Question ID : 4335766458
 Option 1 ID : 43357625829
 Option 2 ID : 43357625830
 Option 3 ID : 43357625831
 Option 4 ID : 43357625832
 Status : Answered
 Chosen Option : B

Q.13 Which of the following is true for the language: { ap | p is a prime }

- Ans ☒ A. It is regular but not context-free
☒ B. It is neither regular nor context-free, but accepted by a Turing machine
☒ C. It is not accepted by a Turing Machine
☒ D. It is context-free but not regular

Question Type : MCQ
 Question ID : 4335766312
 Option 1 ID : 43357625245
 Option 2 ID : 43357625246
 Option 3 ID : 43357625247
 Option 4 ID : 43357625248
 Status : Answered
 Chosen Option : B

Q.14 Debugging is the process of:

- Ans ☒ A. Creating new software modules
☒ B. Removing defects from software
☒ C. Analysing software requirements
☒ D. Generating test cases

Question Type : MCQ
 Question ID : 4335766210
 Option 1 ID : 43357624837
 Option 2 ID : 43357624838
 Option 3 ID : 43357624839
 Option 4 ID : 43357624840
 Status : Answered
 Chosen Option : B

Q.15 RFID is used for?

- Ans ☐ A. 3G Connectivity
- ☐ B. Measuring WiFi strength
- ☐ C. Providing WiFi Connection
- ☒ D. Object Identification

Question Type : MCQ
Question ID : 4335766332
Option 1 ID : 43357625325
Option 2 ID : 43357625326
Option 3 ID : 43357625327
Option 4 ID : 43357625328
Status : Answered
Chosen Option : C

Q.16 Upward multiplexing involves:

- Ans ☒ 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 Type : MCQ
Question ID : 4335766190
Option 1 ID : 43357624757
Option 2 ID : 43357624758
Option 3 ID : 43357624759
Option 4 ID : 43357624760
Status : Answered
Chosen Option : A

Q.17 Consider the statements given below and then choose the correct output from the given options :

```
N='5'
try :
    print ( 'WORD ' + N, end= '#')
except :
    print ( 'ERROR' , end= ' # ' )
finally :
    print ( ' OVER ' )
```

- Ans ☐ A. ERROR#
- ☒ B. WORD5#OVER
- ☐ C. WORD5#
- ☐ D. ERROR#OVER

Question Type : MCQ
Question ID : 4335766440
Option 1 ID : 43357625757
Option 2 ID : 43357625758
Option 3 ID : 43357625759
Option 4 ID : 43357625760
Status : Answered
Chosen Option : B

Q.18 What is synonymy relation?

- Ans ☒ A. A is part of B
- ☒ B. A denotes same as B
- ☒ C. A is a kind of B
- ☒ D. A is superordinate of B

Question Type : MCQ
Question ID : 4335766373
Option 1 ID : 43357625489
Option 2 ID : 43357625490
Option 3 ID : 43357625491
Option 4 ID : 43357625492
Status : Answered
Chosen Option : D

Q.19 To capture data from the realworld IoT uses-----

- Ans ☒ A. Sensors
- ☒ B. Actuators
- ☒ C. Microprocesspr
- ☒ D. Microcontroller

Question Type : MCQ
Question ID : 4335766324
Option 1 ID : 43357625293
Option 2 ID : 43357625294
Option 3 ID : 43357625295
Option 4 ID : 43357625296
Status : Answered
Chosen Option : C

Q.20 The "producer-consumer problem" is a classic synchronization problem that involves:

- Ans ☒ A. Two processes competing for the same resources
- ☒ B. Two processes exchanging data through shared buffers
- ☒ C. Two processes competing for CPU time
- ☒ D. Two processes communicating over a network

Question Type : MCQ
Question ID : 4335766145
Option 1 ID : 43357624577
Option 2 ID : 43357624578
Option 3 ID : 43357624579
Option 4 ID : 43357624580
Status : Answered
Chosen Option : D

Q.21 In the context of recursion, what is the purpose of the "stack" data structure?

- Ans ☒ A. To store variables and function calls for backtracking
- ☒ B. To store only variables
- ☒ C. To store only function calls
- ☒ D. To store loop counters

Question Type : MCQ
Question ID : 4335766113
Option 1 ID : 43357624449
Option 2 ID : 43357624450
Option 3 ID : 43357624451
Option 4 ID : 43357624452
Status : Answered
Chosen Option : D

Q.22 Which aggregate function in SQL displays the number of values in the specified column ignoring the NULL values ?

- Ans ☒ A. len ()
- ☒ B. count ()
- ☒ C. number ()
- ☒ D. num ()

Question Type : MCQ
Question ID : 4335766443
Option 1 ID : 43357625769
Option 2 ID : 43357625770
Option 3 ID : 43357625771
Option 4 ID : 43357625772
Status : Answered
Chosen Option : A

Q.23 Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sub-entities?

- Ans ☒ A. Aggregation
- ☒ B. Generalization
- ☒ C. Specialization
- ☒ D. All of the above

Question Type : MCQ
Question ID : 4335766161
Option 1 ID : 43357624641
Option 2 ID : 43357624642
Option 3 ID : 43357624643
Option 4 ID : 43357624644
Status : Answered
Chosen Option : A

Q.24 Resource management in IoT can be done by implementing-----

- Ans ☒ A. Protocols
☒ B. Algorithms
☒ C. Networks
☒ D. Protocols and Algorithms

Question Type : MCQ
 Question ID : 4335766350
 Option 1 ID : 43357625397
 Option 2 ID : 43357625398
 Option 3 ID : 43357625399
 Option 4 ID : 43357625400
 Status : Answered
 Chosen Option : D

Q.25 Which of the following is not a valid relational operator used with WHERE clause in SQL?

- Ans ☒ A. >
☒ B. <=
☒ C. =>
☒ D. <>

Question Type : MCQ
 Question ID : 4335766457
 Option 1 ID : 43357625825
 Option 2 ID : 43357625826
 Option 3 ID : 43357625827
 Option 4 ID : 43357625828
 Status : Answered
 Chosen Option : D

Q.26 Which of the following statement is false?

- Ans ☒ A. A recursive language is also a regular language
☒ B. A context free language is also a regular language
☒ C. A context free language is also recursive enumerable language
☒ D. Both (a) and (b)

Question Type : MCQ
 Question ID : 4335766307
 Option 1 ID : 43357625225
 Option 2 ID : 43357625226
 Option 3 ID : 43357625227
 Option 4 ID : 43357625228
 Status : Answered
 Chosen Option : D

Q.27 Which tag is used to create a line break in an HTML document ?

- Ans
- ☒ A. <lb>
 - ☒ B. <break>
 - ☒ C.

 - ☒ D. <newline>

Question Type : MCQ
Question ID : 4335766024
Option 1 ID : 43357624093
Option 2 ID : 43357624094
Option 3 ID : 43357624095
Option 4 ID : 43357624096
Status : Answered
Chosen Option : C

Q.28 In Huffman coding, which characters are usually assigned shorter codes?

- Ans
- ☒ A. Characters with higher frequency
 - ☒ B. Characters with lower frequency
 - ☒ C. Characters with longer ASCII values
 - ☒ D. Characters with shorter ASCII values

Question Type : MCQ
Question ID : 4335766096
Option 1 ID : 43357624381
Option 2 ID : 43357624382
Option 3 ID : 43357624383
Option 4 ID : 43357624384
Status : Answered
Chosen Option : D

Q.29 What is a session in web development?

- Ans
- ☒ A. A type of HTTP request
 - ☒ B. A way to store data on the client side
 - ☒ C. A temporary storage for user-specific data during a browsing session
 - ☒ D. A method to encrypt data for secure transmission

Question Type : MCQ
Question ID : 4335766263
Option 1 ID : 43357625049
Option 2 ID : 43357625050
Option 3 ID : 43357625051
Option 4 ID : 43357625052
Status : Answered
Chosen Option : D

Q.30 Which of the following device provides the necessary translation of data received from network into a format or protocol recognized by devices with the internal network?

- Ans ☒ A. Bridge
☒ B. Gateway
☒ C. Router
☒ D. Modem

Question Type : MCQ
 Question ID : 4335765985
 Option 1 ID : 43357623937
 Option 2 ID : 43357623938
 Option 3 ID : 43357623939
 Option 4 ID : 43357623940
 Status : Answered
 Chosen Option : C

Q.31 Regular expression for all strings starts with b and ends with bba is.

- Ans ☒ A. aba^*b^*bba
☒ B. $ab(ab)^*bba$
☒ C. $b(a+b)^*bba$
☒ D. All of the mentioned

Question Type : MCQ
 Question ID : 4335766297
 Option 1 ID : 43357625185
 Option 2 ID : 43357625186
 Option 3 ID : 43357625187
 Option 4 ID : 43357625188
 Status : Answered
 Chosen Option : C

Q.32 What does a first order predicate logic contain?

- Ans ☒ A. Predicate and a subject
☒ B. Predicate and a Preposition
☒ C. Subject and an object
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766369
 Option 1 ID : 43357625473
 Option 2 ID : 43357625474
 Option 3 ID : 43357625475
 Option 4 ID : 43357625476
 Status : Answered
 Chosen Option : A

Q.33 The hexadecimal number F4 is equivalent to which binary number?

- Ans ☒ A. 11111001
- ☒ B. 11110100
- ☒ C. 11111100
- ☒ D. 11111010

Question Type : MCQ
Question ID : 4335766067
Option 1 ID : 43357624265
Option 2 ID : 43357624266
Option 3 ID : 43357624267
Option 4 ID : 43357624268
Status : Answered
Chosen Option : C

Q.34 Algorithm analysis is primarily concerned with:

- Ans ☒ A. Determining the best algorithm for a specific problem
- ☒ B. Measuring the time and space efficiency of an algorithm
- ☒ C. Creating new algorithms from scratch
- ☒ D. Solving algorithmic problems using any available approach

Question Type : MCQ
Question ID : 4335766071
Option 1 ID : 43357624281
Option 2 ID : 43357624282
Option 3 ID : 43357624283
Option 4 ID : 43357624284
Status : Answered
Chosen Option : A

Q.35 A web server is _____.

- Ans ☒ A. A program that downloads files
- ☒ B. A type of web browser
- ☒ C. A protocol used for secure communication
- ☒ D. A computer that stores and delivers web pages

Question Type : MCQ
Question ID : 4335766022
Option 1 ID : 43357624085
Option 2 ID : 43357624086
Option 3 ID : 43357624087
Option 4 ID : 43357624088
Status : Answered
Chosen Option : C

Q.36 .If an algorithm's behavior is bounded by " $O(f(n))$ if $g(n)$ ", what notation does it become when the condition is removed?

- Ans ☒ A. $O(f(n))$
- ☒ B. $O(g(n))$
- ☒ C. $O(f(n) + g(n))$
- ☒ D. $O(f(n) * g(n))$

Question Type : MCQ
Question ID : 4335766076
Option 1 ID : 43357624301
Option 2 ID : 43357624302
Option 3 ID : 43357624303
Option 4 ID : 43357624304
Status : Answered
Chosen Option : B

Q.37 What is encapsulation in OOP?

- Ans ☒ A. The ability to inherit properties from multiple classes
- ☒ B. The process of creating objects
- ☒ C. The bundling of data and methods that operate on the data
- ☒ D. The use of abstract classes only

Question Type : MCQ
Question ID : 4335766228
Option 1 ID : 43357624909
Option 2 ID : 43357624910
Option 3 ID : 43357624911
Option 4 ID : 43357624912
Status : Answered
Chosen Option : D

Q.38 Which of the following programming medium is used by MobileMe to create the appearance of desktop application inside a browser?

- Ans ☒ A. HTML
- ☒ B. DHTML
- ☒ C. JQuery
- ☒ D. All of the above

Question Type : MCQ
Question ID : 4335766347
Option 1 ID : 43357625385
Option 2 ID : 43357625386
Option 3 ID : 43357625387
Option 4 ID : 43357625388
Status : Answered
Chosen Option : B

Q.39 Which SQL statement is used to update data in a database?

- Ans ☒ A. ALTER
☒ B. CHANGE
☒ C. UPDATE
☒ D. MODIFY

Question Type : MCQ
 Question ID : 4335766284
 Option 1 ID : 43357625133
 Option 2 ID : 43357625134
 Option 3 ID : 43357625135
 Option 4 ID : 43357625136
 Status : Answered
 Chosen Option : B

Q.40 Which term describes the way devices are interconnected in a network?

- Ans ☒ A. Topology
☒ B. Bandwidth
☒ C. Encoding
☒ D. Transmission

Question Type : MCQ
 Question ID : 4335766175
 Option 1 ID : 43357624697
 Option 2 ID : 43357624698
 Option 3 ID : 43357624699
 Option 4 ID : 43357624700
 Status : Answered
 Chosen Option : B

Q.41 Subnetting allows for:

- Ans ☒ A. Faster data transmission
☒ B. Improved error control
☒ C. Efficient use of IP addresses
☒ D. Increased network security

Question Type : MCQ
 Question ID : 4335766187
 Option 1 ID : 43357624745
 Option 2 ID : 43357624746
 Option 3 ID : 43357624747
 Option 4 ID : 43357624748
 Status : Answered
 Chosen Option : A

Q.42 This is a Assertion and Reason type questions. This question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion and Reason.
Assertion (A) : FTP is a networking protocol used for transferring files.Reason (R) : FTP is used when we want to view some data from a website.

- Ans ☒ A. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)
- ☒ B. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A)
- ☒ C. Assertion (A) is true, but Reason (R) is false.
- ☒ D. Assertion (A) is false, but Reason (R) is true.

Question Type : MCQ
Question ID : 4335766429
Option 1 ID : 43357625713
Option 2 ID : 43357625714
Option 3 ID : 43357625715
Option 4 ID : 43357625716
Status : Answered
Chosen Option : A

Q.43 Which one is a communication channel security protocol?

- Ans ☒ A. SSL
- ☒ B. SET
- ☒ C. S-HTTP
- ☒ D. All of the above

Question Type : MCQ
Question ID : 4335766392
Option 1 ID : 43357625565
Option 2 ID : 43357625566
Option 3 ID : 43357625567
Option 4 ID : 43357625568
Status : Answered
Chosen Option : A

Q.44 Church's Thesis supports-----

- Ans ☒ A. Both TM is an general-purpose computer and TM is an algorithm and vice-versa are correct
- ☒ B. A Turing machine an algorithm and an algorithm as a Turing machine
- ☒ C. A Turing machine as a general-purpose computer system
- ☒ D. None of them is correct

Question Type : MCQ
Question ID : 4335766314
Option 1 ID : 43357625253
Option 2 ID : 43357625254
Option 3 ID : 43357625255
Option 4 ID : 43357625256
Status : Answered
Chosen Option : A

Q.45 A priority encoder is used to:

- Ans ☒ A. Convert binary information into a more compact form
- ☒ B. Assign priority to input lines based on their values
- ☒ C. Compare two binary numbers
- ☒ D. Combine multiple input signals into a single output

Question Type : MCQ
Question ID : 4335766033
Option 1 ID : 43357624129
Option 2 ID : 43357624130
Option 3 ID : 43357624131
Option 4 ID : 43357624132
Status : Answered
Chosen Option : C

Q.46 Which type of queue allows insertion and deletion of elements at both the front and rear ends?

- Ans ☒ A. Circular queue
- ☒ B. Linear queue
- ☒ C. Dequeue (Double-ended queue)
- ☒ D. Priority queue

Question Type : MCQ
Question ID : 4335766107
Option 1 ID : 43357624425
Option 2 ID : 43357624426
Option 3 ID : 43357624427
Option 4 ID : 43357624428
Status : Answered
Chosen Option : C

Q.47 Open System _____ tends to evolve more quickly than proprietary systems?

- Ans ☒ A. Hardware
- ☒ B. Software
- ☒ C. Hardware and Software
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335766346
Option 1 ID : 43357625381
Option 2 ID : 43357625382
Option 3 ID : 43357625383
Option 4 ID : 43357625384
Status : Answered
Chosen Option : C

Q.48 Can a DFA recognize a palindrome number?

Ans ☒ A. Yes

☒ B. No

☒ C. Yes, with input alphabet as Σ^*

☒ D. Can't be determined

Question Type : MCQ

Question ID : 4335766290

Option 1 ID : 43357625157

Option 2 ID : 43357625158

Option 3 ID : 43357625159

Option 4 ID : 43357625160

Status : Answered

Chosen Option : C

Q.49 Which HTTP method is used for retrieving data from a server?

Ans ☒ A. GET

☒ B. POST

☒ C. PUT

☒ D. DELETE

Question Type : MCQ

Question ID : 4335766265

Option 1 ID : 43357625057

Option 2 ID : 43357625058

Option 3 ID : 43357625059

Option 4 ID : 43357625060

Status : Answered

Chosen Option : A

Q.50 A large computer information system maintains many different computer files. Which amongst them is called a perpetual file?

Ans ☒ A. Specialized File

☒ B. Master File

☒ C. Log File

☒ D. Update File

Question Type : MCQ

Question ID : 4335766174

Option 1 ID : 43357624693

Option 2 ID : 43357624694

Option 3 ID : 43357624695

Option 4 ID : 43357624696

Status : Answered

Chosen Option : B

Q.51 Which of the following could be a disadvantage of 'open source' software?

- Ans ☒ A. High quality software with lots of features
- ☒ B. Not as customizable
- ☒ C. May not have been tested as much as proprietary software so might have bugs
- ☒ D. You can edit the source code to customize it

Question Type : MCQ
Question ID : 4335766008
Option 1 ID : 43357624029
Option 2 ID : 43357624030
Option 3 ID : 43357624031
Option 4 ID : 43357624032
Status : Answered
Chosen Option : C

Q.52 Uniform-cost search expands the node n with the _____

- Ans ☒ A. Lowest path cost
- ☒ B. Heuristic cost
- ☒ C. Highest path cost
- ☒ D. Average path cost

Question Type : MCQ
Question ID : 4335766362
Option 1 ID : 43357625445
Option 2 ID : 43357625446
Option 3 ID : 43357625447
Option 4 ID : 43357625448
Status : Answered
Chosen Option : C

Q.53 The process of acquiring a semaphore and entering a critical section while ensuring mutual exclusion is often called:

- Ans ☒ A. Wait-free synchronization
- ☒ B. Lock-free synchronization
- ☒ C. Critical section synchronization
- ☒ D. Barrier synchronization

Question Type : MCQ
Question ID : 4335766139
Option 1 ID : 43357624553
Option 2 ID : 43357624554
Option 3 ID : 43357624555
Option 4 ID : 43357624556
Status : Answered
Chosen Option : C

Q.54 The presense of _____ makes a card smart?

- Ans ☒ A. Memory
☒ B. Money
☒ C. Microchip
☒ D. Message Queue Telemetry Transport

Question Type : MCQ
 Question ID : 4335766395
 Option 1 ID : 43357625577
 Option 2 ID : 43357625578
 Option 3 ID : 43357625579
 Option 4 ID : 43357625580
 Status : Answered
 Chosen Option : D

Q.55 Which of the following is a database?

- Ans ☒ A. MySQL
☒ B. Informix
☒ C. SQL Server
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766169
 Option 1 ID : 43357624673
 Option 2 ID : 43357624674
 Option 3 ID : 43357624675
 Option 4 ID : 43357624676
 Status : Answered
 Chosen Option : D

Q.56 The ability to query data, as well as insert, delete, and alter tuples, is offered by _____

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

Question Type : MCQ
 Question ID : 4335766153
 Option 1 ID : 43357624609
 Option 2 ID : 43357624610
 Option 3 ID : 43357624611
 Option 4 ID : 43357624612
 Status : Answered
 Chosen Option : A

Q.57 Which of the following options is a network protocol that enables secure and encrypted file transfers between a client and a server ?

Ans ☒ A. SFTP

☐ B. Telnet

☐ C. SCP

☐ D. HTTP

Question Type : MCQ

Question ID : 4335766427

Option 1 ID : 43357625705

Option 2 ID : 43357625706

Option 3 ID : 43357625707

Option 4 ID : 43357625708

Status : Answered

Chosen Option : B

Q.58 In a Binary Search Tree (BST), the operation of deleting a node with one child involves:

Ans ☐ A. Removing the node and replacing it with its left child

☐ B. Removing the node and replacing it with its right child

☒ C. Removing the node and replacing it with its parent

☐ D. Removing the node and leaving the subtree unaltered

Question Type : MCQ

Question ID : 4335766099

Option 1 ID : 43357624393

Option 2 ID : 43357624394

Option 3 ID : 43357624395

Option 4 ID : 43357624396

Status : Answered

Chosen Option : D

Q.59 A _____ (invented by Paul Roget in 1828) is a simple mechanical toy which creates the illusion of movement.

Ans ☐ A. Binocular

☐ B. Zoetrope

☒ C. Thaumatrope

☐ D. BOOM

Question Type : MCQ

Question ID : 4335766412

Option 1 ID : 43357625645

Option 2 ID : 43357625646

Option 3 ID : 43357625647

Option 4 ID : 43357625648

Status : Answered

Chosen Option : C

Q.60 Questions given below is Assertion (A) and Reason (R) based questions. Mark the correct choice as :

Assertion (A) : We can retrieve records from more than one table in MYSQL.

Reason (R) :Foreign key is used to establish a relationship between two tables.

Ans ☒ A. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation for Assertion (A).

☒ B. Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation for Assertion (A).

☒ C. Assertion (A) is true but, Reason (R) is false.

☒ D. Assertion (A) is false but, Reason (R) is true .

Question Type : MCQ

Question ID : 4335766448

Option 1 ID : 43357625789

Option 2 ID : 43357625790

Option 3 ID : 43357625791

Option 4 ID : 43357625792

Status : Answered

Chosen Option : B

Q.61 A regular language over an alphabet Σ is closed under following operation(s)

Ans ☒ A. Union

☒ B. Concatenation

☒ C. Kleene*

☒ D. All of the mentioned

Question Type : MCQ

Question ID : 4335766287

Option 1 ID : 43357625145

Option 2 ID : 43357625146

Option 3 ID : 43357625147

Option 4 ID : 43357625148

Status : Answered

Chosen Option : A

Q.62 What is the relationship between the distance between parity bits and their error detection and correction capability in Hamming Code?

Ans ☒ A. Closer parity bits provide higher error correction capability

☒ B. Closer parity bits provide lower error correction capability

☒ C. Distance between parity bits has no impact on error correction capability

☒ D. The position of parity bits is irrelevant in Hamming Code

Question Type : MCQ

Question ID : 4335766051

Option 1 ID : 43357624201

Option 2 ID : 43357624202

Option 3 ID : 43357624203

Option 4 ID : 43357624204

Status : Answered

Chosen Option : C

Q.63 The I/O subsystem in an operating system is responsible for:

- Ans ☒ A. Allocating memory for processes
- ☒ B. Managing the file system
- ☒ C. Managing input/output operations between processes and input/output devices
- ☒ D. Allocating CPU time to processes

Question Type : MCQ
Question ID : 4335766127
Option 1 ID : 43357624505
Option 2 ID : 43357624506
Option 3 ID : 43357624507
Option 4 ID : 43357624508
Status : Answered
Chosen Option : C

Q.64 The default value for the type attribute of an Unordered List in HTML is :

- Ans ☒ A. circle
- ☒ B. disc
- ☒ C. square
- ☒ D. triangle

Question Type : MCQ
Question ID : 4335766425
Option 1 ID : 43357625697
Option 2 ID : 43357625698
Option 3 ID : 43357625699
Option 4 ID : 43357625700
Status : Answered
Chosen Option : B

Q.65 Which of the following is not an e-Reservation portal in India ?

- Ans ☒ A. <https://www.amazon.in>
- ☒ B. <https://www.yatra.com>
- ☒ C. <https://www.makemytrip.com>
- ☒ D. <https://www.irctc.co.in>

Question Type : MCQ
Question ID : 4335766420
Option 1 ID : 43357625677
Option 2 ID : 43357625678
Option 3 ID : 43357625679
Option 4 ID : 43357625680
Status : Answered
Chosen Option : A

Q.66 The Tower of Hanoi problem is a classic example of a problem that can be solved using recursion. How many minimum moves are required to solve the Tower of Hanoi problem with 3 disks?

- Ans ☒ A. 3
☒ B. 7
☒ C. 15
☒ D. 63

Question Type : MCQ
 Question ID : 4335766115
 Option 1 ID : 43357624457
 Option 2 ID : 43357624458
 Option 3 ID : 43357624459
 Option 4 ID : 43357624460
 Status : Answered
 Chosen Option : C

Q.67 Reverse engineering is primarily used for:

- Ans ☒ A. Creating new software from scratch
☒ B. Improving software performance
☒ C. Understanding and documenting existing software
☒ D. Testing software components

Question Type : MCQ
 Question ID : 4335766206
 Option 1 ID : 43357624821
 Option 2 ID : 43357624822
 Option 3 ID : 43357624823
 Option 4 ID : 43357624824
 Status : Answered
 Chosen Option : C

Q.68 Which among the following is not true about IoT?

- Ans ☒ A. IoT uses Micro Controllers
☒ B. IoT is fully safe
☒ C. IoT uses Sensors and Actuators
☒ D. IoT uses wireless technology

Question Type : MCQ
 Question ID : 4335766320
 Option 1 ID : 43357625277
 Option 2 ID : 43357625278
 Option 3 ID : 43357625279
 Option 4 ID : 43357625280
 Status : Answered
 Chosen Option : B

Q.69 Identify the output of the following code segment:

```
S = "an apple. a toy."
S = s. find ( 'a ' , 2)
print (s)
```

- Ans
- ☒ A. 0
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. a'

Question Type : MCQ
Question ID : 4335766449
Option 1 ID : 43357625793
Option 2 ID : 43357625794
Option 3 ID : 43357625795
Option 4 ID : 43357625796
Status : Answered
Chosen Option : D

Q.70 _____ is an agreement between the communicating parties on how communication is to proceed over a network.

- Ans
- ☒ A. Ethernet
 - ☒ B. Protocol
 - ☒ C. Operating System
 - ☒ D. Antivirus

Question Type : MCQ
Question ID : 4335766011
Option 1 ID : 43357624041
Option 2 ID : 43357624042
Option 3 ID : 43357624043
Option 4 ID : 43357624044
Status : Answered
Chosen Option : B

Q.71 What is the main advantage of using exception handling in programming?

- Ans
- ☒ A. It prevents code from running
 - ☒ B. It improves code readability
 - ☒ C. It handles unexpected errors and allows graceful program termination
 - ☒ D. It eliminates the need for classes and objects

Question Type : MCQ
Question ID : 4335766233
Option 1 ID : 43357624929
Option 2 ID : 43357624930
Option 3 ID : 43357624931
Option 4 ID : 43357624932
Status : Answered
Chosen Option : C

Q.72 What is the term for creating a new class based on an existing class?

- Ans ☒ A. Overriding
☒ B. Implementing
☒ C. Inheriting
☒ D. Overloading

Question Type : MCQ
 Question ID : 4335766242
 Option 1 ID : 43357624965
 Option 2 ID : 43357624966
 Option 3 ID : 43357624967
 Option 4 ID : 43357624968
 Status : Answered
 Chosen Option : C

Q.73 In OOP, which term refers to a mechanism by which a class can inherit properties and behaviors from another class?

- Ans ☒ A. Polymorphism
☒ B. Abstraction
☒ C. Encapsulation
☒ D. Inheritance

Question Type : MCQ
 Question ID : 4335766230
 Option 1 ID : 43357624917
 Option 2 ID : 43357624918
 Option 3 ID : 43357624919
 Option 4 ID : 43357624920
 Status : Answered
 Chosen Option : C

Q.74 The components expert system is/ are

- Ans ☒ A. Knowledge Base
☒ B. Inference Engine
☒ C. User Interface
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766359
 Option 1 ID : 43357625433
 Option 2 ID : 43357625434
 Option 3 ID : 43357625435
 Option 4 ID : 43357625436
 Status : Answered
 Chosen Option : C

Q.75 In an AVL tree, the balance factor of a node is the difference between the heights of its:

- Ans ☒ A. Left and right subtrees
☒ B. Left subtree and parent
☒ C. Right subtree and parent
☒ D. Left and right children

Question Type : MCQ
 Question ID : 4335766094
 Option 1 ID : 43357624373
 Option 2 ID : 43357624374
 Option 3 ID : 43357624375
 Option 4 ID : 43357624376
 Status : Answered
 Chosen Option : C

Q.76 A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the___?

- Ans ☒ A. Algorithm
☒ B. Logarithm
☒ C. Turing Test
☒ D. Boolean algebra

Question Type : MCQ
 Question ID : 4335766358
 Option 1 ID : 43357625429
 Option 2 ID : 43357625430
 Option 3 ID : 43357625431
 Option 4 ID : 43357625432
 Status : Answered
 Chosen Option : A

Q.77compares neighbouring elements only and swaps them when necessary.

- Ans ☒ A. Selection Sort
☒ B. Bubble Sort
☒ C. Insertion Sort
☒ D. Quick Sort

Question Type : MCQ
 Question ID : 4335765992
 Option 1 ID : 43357623965
 Option 2 ID : 43357623966
 Option 3 ID : 43357623967
 Option 4 ID : 43357623968
 Status : Answered
 Chosen Option : C

Q.78 Which of the following protocol defines that how the data is formatted and transmitted over the network ?

- Ans ☒ A. HTTP
☒ B. SMTP
☒ C. FTP
☒ D. POP3

Question Type : MCQ
 Question ID : 4335766012
 Option 1 ID : 43357624045
 Option 2 ID : 43357624046
 Option 3 ID : 43357624047
 Option 4 ID : 43357624048
 Status : Answered
 Chosen Option : C

Q.79 Public key encryption uses multiple keys. One key is used to encrypt data, while another is used to decrypt data. The key used to encrypt data is called the _____ key, while the key used to decrypt data is called the _____ key.

- Ans ☒ A. Encryption, decryption
☒ B. Encryption, public
☒ C. Public, private
☒ D. Private, public

Question Type : MCQ
 Question ID : 4335766386
 Option 1 ID : 43357625541
 Option 2 ID : 43357625542
 Option 3 ID : 43357625543
 Option 4 ID : 43357625544
 Status : Answered
 Chosen Option : A

Q.80 What is the primary purpose of an interface in OOP?

- Ans ☒ 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

Question Type : MCQ
 Question ID : 4335766250
 Option 1 ID : 43357624997
 Option 2 ID : 43357624998
 Option 3 ID : 43357624999
 Option 4 ID : 43357625000
 Status : Answered
 Chosen Option : B

Q.81 An index is clustered, if

- Ans ☒ A. it is on a set of fields that form a candidate key.
- ☒ B. it is on a set of fields that include the primary key.
- ☒ C. the data records of the file are organized in the same order as the data entries of the index.
- ☒ D. the data records of the file are organized not in the same order as the data entries of the index.

Question Type : MCQ
Question ID : 4335766148
Option 1 ID : 43357624589
Option 2 ID : 43357624590
Option 3 ID : 43357624591
Option 4 ID : 43357624592
Status : Answered
Chosen Option : D

Q.82 In pointer implementation of linked lists, which operation can be performed in constant time ($O(1)$) when inserting or deleting nodes?

- Ans ☒ A. Inserting at the beginning
- ☒ B. Inserting at the end
- ☒ C. Inserting at a specific position
- ☒ D. Deleting a specific node

Question Type : MCQ
Question ID : 4335766112
Option 1 ID : 43357624445
Option 2 ID : 43357624446
Option 3 ID : 43357624447
Option 4 ID : 43357624448
Status : Answered
Chosen Option : C

Q.83 Which of the following options is the correct protocol used for phone calls over the internet ?

- Ans ☒ A. PPP
- ☒ B. FTP
- ☒ C. HTTP
- ☒ D. VoIP

Question Type : MCQ
Question ID : 4335766446
Option 1 ID : 43357625781
Option 2 ID : 43357625782
Option 3 ID : 43357625783
Option 4 ID : 43357625784
Status : Answered
Chosen Option : D

Q.84 What is the simplified expression for the Boolean function $F(A, B, C, D) = \Sigma(0, 1, 2, 4, 5, 6, 8, 9, 10, 12, 13, 14)$ using the K-map method?

- Ans ☒ A. $A'B'C'D' + A'B'C'D + A'BC'D + AB'C'D + ABCD$
- ☒ B. $A'B'C'D' + A'BC'D + AB'C'D + ABC'D + ABCD$
- ☒ C. $A'B'C'D' + A'BC'D + ABC'D + ABCD$
- ☒ D. $A'B'C'D' + A'BC'D + A'BCD + ABCD$

Question Type : MCQ
Question ID : 4335766031
Option 1 ID : 43357624121
Option 2 ID : 43357624122
Option 3 ID : 43357624123
Option 4 ID : 43357624124
Status : Answered
Chosen Option : B

Q.85 What does the acronym "HTTP" stand for?

- Ans ☒ A. HyperText Transmission Protocol
- ☒ B. HyperText Transfer Protocol
- ☒ C. High-Tech Text Protocol
- ☒ D. HyperTransfer Text Protocol

Question Type : MCQ
Question ID : 4335766255
Option 1 ID : 43357625017
Option 2 ID : 43357625018
Option 3 ID : 43357625019
Option 4 ID : 43357625020
Status : Answered
Chosen Option : A

Q.86 Which of the following is done by Secure Sockets Layers?

- Ans ☒ A. creates a secure, private connection to a web server
- ☒ B. Encrypts information
- ☒ C. Sends information over the internet
- ☒ D. All of the above

Question Type : MCQ
Question ID : 4335766387
Option 1 ID : 43357625545
Option 2 ID : 43357625546
Option 3 ID : 43357625547
Option 4 ID : 43357625548
Status : Answered
Chosen Option : D

Q.87 The default color of vlink is _____ .

- Ans ☒ A. Green
☒ B. Purple
☒ C. Blue
☒ D. Yellow

Question Type : MCQ
 Question ID : 4335766472
 Option 1 ID : 43357625885
 Option 2 ID : 43357625886
 Option 3 ID : 43357625887
 Option 4 ID : 43357625888
 Status : Answered
 Chosen Option : A

Q.88 In binary subtraction using the simple method, if a borrow is needed from a digit and the borrowed digit is 1, what happens to the next digit's value?

- Ans ☒ A. It remains unchanged
☒ B. It is incremented by 1
☒ C. It is decremented by 1
☒ D. It becomes 0

Question Type : MCQ
 Question ID : 4335766050
 Option 1 ID : 43357624197
 Option 2 ID : 43357624198
 Option 3 ID : 43357624199
 Option 4 ID : 43357624200
 Status : Answered
 Chosen Option : D

Q.89 Which programming language is often used for server-side web development?

- Ans ☒ A. HTML
☒ B. CSS
☒ C. JavaScript
☒ D. PHP

Question Type : MCQ
 Question ID : 4335766257
 Option 1 ID : 43357625025
 Option 2 ID : 43357625026
 Option 3 ID : 43357625027
 Option 4 ID : 43357625028
 Status : Answered
 Chosen Option : C

Q.90 What does Structured Analysis focus on?

- Ans ☒ A. Hardware components
☒ B. Database management
☒ C. Data flow and processes
☒ D. User interfaces

Question Type : MCQ
 Question ID : 4335766208
 Option 1 ID : 43357624829
 Option 2 ID : 43357624830
 Option 3 ID : 43357624831
 Option 4 ID : 43357624832
 Status : Answered
 Chosen Option : D

Q.91 Questions given below is of Assertion and Reason type question. This question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion and Reason. Assertion (A) : When you enter a query into a search engine, it retrieves and presents a list of web pages, documents, images, videos, or other types of content that are relevant to your search. Reason (R) : The goal of information retrieval is to effectively and efficiently find and present information that matches the user's search criteria.

- Ans ☒ A. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
☒ B. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A).
☒ C. Assertion (A) is true, but Reason (R) is false.
☒ D. Assertion (A) is false, but Reason (R) is true.

Question Type : MCQ
 Question ID : 4335766475
 Option 1 ID : 43357625897
 Option 2 ID : 43357625898
 Option 3 ID : 43357625899
 Option 4 ID : 43357625900
 Status : Answered
 Chosen Option : A

Q.92 Given a Boolean function $F(A, B, C) = \Sigma(0, 1, 2, 3, 5)$, what is the expression in SOP form?

- Ans ☒ A. $A'B' + AB' + AB + AC$
☒ B. $A + B + C$
☒ C. $AB' + C'$
☒ D. $A'B'C'$

Question Type : MCQ
 Question ID : 4335766041
 Option 1 ID : 43357624161
 Option 2 ID : 43357624162
 Option 3 ID : 43357624163
 Option 4 ID : 43357624164
 Status : Answered
 Chosen Option : D

Q.93 The primary goal of load control is to:

- Ans
- ☒

A. Prevent processes from running concurrently
- ☒

B. Avoid context switching between processes
- ☒

C. Ensure that CPU time is evenly distributed among processes
- ☒

D. Maximize the usage of virtual memory

Question Type : MCQ

Question ID : 4335766129

Option 1 ID : 43357624513

Option 2 ID : 43357624514

Option 3 ID : 43357624515

Option 4 ID : 43357624516

Status : Answered

Chosen Option : D

Q.94 When adding two positive binary numbers using the 2's complement method, if the result has a carry-out from the most significant bit (MSB), what should be done?

- Ans
- ☒

A. Ignore the carry
- ☒

B. Add the carry to the least significant bit (LSB)
- ☒

C. Add the carry to the sign bit
- ☒

D. Subtract the carry from the MSB

Question Type : MCQ

Question ID : 4335766049

Option 1 ID : 43357624193

Option 2 ID : 43357624194

Option 3 ID : 43357624195

Option 4 ID : 43357624196

Status : Answered

Chosen Option : D

Q.95 What is the purpose of a destructor in OOP?

- Ans
- ☒

A. To create instances of classes
- ☒

B. To handle exceptions
- ☒

C. To free up resources when an object is destroyed
- ☒

D. To define default values for properties

Question Type : MCQ

Question ID : 4335766231

Option 1 ID : 43357624921

Option 2 ID : 43357624922

Option 3 ID : 43357624923

Option 4 ID : 43357624924

Status : Answered

Chosen Option : C

Q.96 What is the main purpose of the Data Link Control in the data link layer?

- Ans ☒ A. Error correction
- ☒ B. Data encryption
- ☒ C. Data routing
- ☒ D. Data framing

Question Type : MCQ
Question ID : 4335766176
Option 1 ID : 43357624701
Option 2 ID : 43357624702
Option 3 ID : 43357624703
Option 4 ID : 43357624704
Status : Answered
Chosen Option : B

Q.97 In the context of software project management, what is LOC an acronym for?

- Ans ☒ A. Line of Change
- ☒ B. Level of Complexity
- ☒ C. Lines of Code
- ☒ D. List of Components

Question Type : MCQ
Question ID : 4335766218
Option 1 ID : 43357624869
Option 2 ID : 43357624870
Option 3 ID : 43357624871
Option 4 ID : 43357624872
Status : Answered
Chosen Option : B

Q.98 Which concept allows a subclass to provide a specific implementation of a method that is already defined in the superclass?

- Ans ☒ A. Overloading
- ☒ B. Inheritance
- ☒ C. Polymorphism
- ☒ D. Overriding

Question Type : MCQ
Question ID : 4335766253
Option 1 ID : 43357625009
Option 2 ID : 43357625010
Option 3 ID : 43357625011
Option 4 ID : 43357625012
Status : Answered
Chosen Option : C

Q.99 If you need to transfer money to another person via the internet, which of the following methods could you use?

- Ans ☒ A. Financial Cybermediary
☒ B. E Bill Presentation and payment
☒ C. E Check
☒ D. Any of the above

Question Type : MCQ
 Question ID : 4335766385
 Option 1 ID : 43357625537
 Option 2 ID : 43357625538
 Option 3 ID : 43357625539
 Option 4 ID : 43357625540
 Status : Answered
 Chosen Option : D

Q.10 In Audio and Video Compression, each frame is divided into small grids, called picture
 0 elements or _____

- Ans ☒ A. packets
☒ B. mega pixels
☒ C. frame
☒ D. pixels

Question Type : MCQ
 Question ID : 4335766404
 Option 1 ID : 43357625613
 Option 2 ID : 43357625614
 Option 3 ID : 43357625615
 Option 4 ID : 43357625616
 Status : Answered
 Chosen Option : D

Section : Part II

Q.10 Micro teaching is more effective
 1

- Ans ☒ A. always
☒ B. after the teaching-practice
☒ C. during the teaching-practice
☒ D. during the preparation for teaching-practice

Question Type : MCQ
 Question ID : 4335763790
 Option 1 ID : 43357615157
 Option 2 ID : 43357615158
 Option 3 ID : 43357615159
 Option 4 ID : 43357615160
 Status : Answered
 Chosen Option : D

Q.10 Pedagogy is a

2

- Ans ☒ A. science of behavior
☒ B. science of learning
☒ C. science of teaching
☒ D. science of testing

Question Type : MCQ
 Question ID : 4335763392
 Option 1 ID : 43357613565
 Option 2 ID : 43357613566
 Option 3 ID : 43357613567
 Option 4 ID : 43357613568
 Status : Answered
 Chosen Option : B

Q.10 A blackboard cannot be used for _____.

3

- Ans ☒ A. Improvement of a paragraph
☒ B. Making reports based on information
☒ C. Show schematic diagrams
☒ D. Summary of relationships between facts

Question Type : MCQ
 Question ID : 4335764327
 Option 1 ID : 43357617305
 Option 2 ID : 43357617306
 Option 3 ID : 43357617307
 Option 4 ID : 43357617308
 Status : Answered
 Chosen Option : B

Q.10 An ongoing dialogue between the teacher and the student during the learning process
 4 is a characteristic of:

- Ans ☒ A. Formative assessment
☒ B. Summative assessment
☒ C. Diagnostic assessment
☒ D. Norm-referenced assessment

Question Type : MCQ
 Question ID : 4335764123
 Option 1 ID : 43357616489
 Option 2 ID : 43357616490
 Option 3 ID : 43357616491
 Option 4 ID : 43357616492
 Status : Answered
 Chosen Option : D

Q.10 How can a teacher enhance effective learning in her elementary classroom?
5

- Ans ☒ A. By connecting the context to the lives of the students
☐ B. By drill and practice
☐ C. By encouraging competition
☐ D. None of the above

Question Type : MCQ
Question ID : 4335763911
Option 1 ID : 43357615641
Option 2 ID : 43357615642
Option 3 ID : 43357615643
Option 4 ID : 43357615644
Status : Answered
Chosen Option : A

Q.10 In order to keep himself alive and up to date, a teacher is required to dedicate himself to
6 acquire knowledge at the frontiers of new knowledge. This is required

- Ans ☐ A. to develop his I.Q.
☐ B. to develop his emotion
☒ C. to enhance his competence in teaching
☐ D. to enhance his knowledge

Question Type : MCQ
Question ID : 4335763987
Option 1 ID : 43357615945
Option 2 ID : 43357615946
Option 3 ID : 43357615947
Option 4 ID : 43357615948
Status : Answered
Chosen Option : C

Q.10 Learning is a natural activity of-
7

- Ans ☐ A. Learners
☐ B. Teachers
☐ C. Individuals
☒ D. Living organism

Question Type : MCQ
Question ID : 4335764239
Option 1 ID : 43357616953
Option 2 ID : 43357616954
Option 3 ID : 43357616955
Option 4 ID : 43357616956
Status : Answered
Chosen Option : D

Q.10 Investigate and classify different objects is an example of
8

- Ans ☒ A. Explore
☒ B. Elaborate
☒ C. Engage
☒ D. Explain

Question Type : MCQ
Question ID : 4335763726
Option 1 ID : 43357614901
Option 2 ID : 43357614902
Option 3 ID : 43357614903
Option 4 ID : 43357614904
Status : Answered
Chosen Option : D

Q.10 Teacher's interest in teaching and the children can
9

- Ans ☒ A. never help children in any way
☒ B. motivate the learners to learn
☒ C. help the learners to learn everything
☒ D. never encourage the learners

Question Type : MCQ
Question ID : 4335763397
Option 1 ID : 43357613585
Option 2 ID : 43357613586
Option 3 ID : 43357613587
Option 4 ID : 43357613588
Status : Answered
Chosen Option : C

Q.11 Which of the following uses the principle of specific to general?
0

- Ans ☒ A. Analysis method
☒ B. Research/Discovery method
☒ C. Synthesis method
☒ D. Inductive method

Question Type : MCQ
Question ID : 4335763621
Option 1 ID : 43357614481
Option 2 ID : 43357614482
Option 3 ID : 43357614483
Option 4 ID : 43357614484
Status : Answered
Chosen Option : B

Q.11 Which of the following verbs is at greatest risk for misinterpretation:

1

- Ans ☒ A. List
☒ B. Construct
☒ C. Understand
☒ D. Demonstrate

Question Type : MCQ
 Question ID : 4335763513
 Option 1 ID : 43357614049
 Option 2 ID : 43357614050
 Option 3 ID : 43357614051
 Option 4 ID : 43357614052
 Status : Answered
 Chosen Option : D

Q.11 Which component of Lesson Plan is based on Flink's Taxonomy ?

2

- Ans ☒ A. Creating
☒ B. Understanding
☒ C. Analysing
☒ D. Caring

Question Type : MCQ
 Question ID : 4335763707
 Option 1 ID : 43357614825
 Option 2 ID : 43357614826
 Option 3 ID : 43357614827
 Option 4 ID : 43357614828
 Status : Answered
 Chosen Option : D

Q.11 Which of the following is the sequence of different levels of teaching?

3

- Ans ☒ A. Memory level-Understanding level-Reflective level
☒ B. Understanding level-Memory level-Reflective level
☒ C. Reflective level-Understanding level-Memory Level
☒ D. Memory level-Reflective level-Understanding level

Question Type : MCQ
 Question ID : 4335763454
 Option 1 ID : 43357613813
 Option 2 ID : 43357613814
 Option 3 ID : 43357613815
 Option 4 ID : 43357613816
 Status : Answered
 Chosen Option : D

Q.11 A _____ is a guideline that can help you organize what learning and how learning
4 will take place in your lesson.

- Ans ☒ A. Content
☒ B. Lesson plan.
☒ C. Map
☒ D. All of the above

Question Type : MCQ
Question ID : 4335763678
Option 1 ID : 43357614709
Option 2 ID : 43357614710
Option 3 ID : 43357614711
Option 4 ID : 43357614712
Status : Answered
Chosen Option : D

Q.11 In problem solving method, a systematic and orderly process is adopted for carrying
5 out

- Ans ☒ A. the teaching-learning process
☒ B. data collection
☒ C. evaluation
☒ D. analysis

Question Type : MCQ
Question ID : 4335763573
Option 1 ID : 43357614289
Option 2 ID : 43357614290
Option 3 ID : 43357614291
Option 4 ID : 43357614292
Status : Answered
Chosen Option : A

Q.11 As a teacher when you see that children are fighting on the road, what will you do?
6

- Ans ☒ A. Ignore the situation and move away
☒ B. Tell the people to resolve the issue
☒ C. Pacify them by giving advice
☒ D. Tell them to run away

Question Type : MCQ
Question ID : 4335764055
Option 1 ID : 43357616217
Option 2 ID : 43357616218
Option 3 ID : 43357616219
Option 4 ID : 43357616220
Status : Answered
Chosen Option : C

Q.11 An assessment technique that allows students to demonstrate their knowledge through
7 oral presentations or performances is called:

- Ans ☒ A. Formative assessment
☒ B. Summative assessment
☒ C. Authentic assessment
☒ D. Individual assessment

Question Type : MCQ
Question ID : 4335764134
Option 1 ID : 43357616533
Option 2 ID : 43357616534
Option 3 ID : 43357616535
Option 4 ID : 43357616536
Status : Answered
Chosen Option : B

Q.11 The essential factor to make the learning attractive is
8

- Ans ☒ A. Reward
☒ B. Punishment
☒ C. Neither reward not pinishment
☒ D. Both reward and punishment

Question Type : MCQ
Question ID : 4335763991
Option 1 ID : 43357615961
Option 2 ID : 43357615962
Option 3 ID : 43357615963
Option 4 ID : 43357615964
Status : Answered
Chosen Option : A

Q.11 Which is not true about lesson plan
9

- Ans ☒ A. It develops confidence
☒ B. It helps in oderly delivery of contents
☒ C. It is developed by students
☒ D. It saves from haphazard teaching

Question Type : MCQ
Question ID : 4335763684
Option 1 ID : 43357614733
Option 2 ID : 43357614734
Option 3 ID : 43357614735
Option 4 ID : 43357614736
Status : Answered
Chosen Option : C

Q.12 Which of them is NOT a formal assessment?

0

- Ans ☒ A. Interview
- ☒ B. Observation
- ☒ C. Project
- ☒ D. Quizzes

Question Type : MCQ
Question ID : 4335764103
Option 1 ID : 43357616409
Option 2 ID : 43357616410
Option 3 ID : 43357616411
Option 4 ID : 43357616412
Status : Answered
Chosen Option : B

Q.12 Development of curriculum at higher level and its application at different levels is:

1

- Ans ☒ A. Horizontal organization
- ☒ B. Vertical organization
- ☒ C. Centralized
- ☒ D. Decentralized

Question Type : MCQ
Question ID : 4335764211
Option 1 ID : 43357616841
Option 2 ID : 43357616842
Option 3 ID : 43357616843
Option 4 ID : 43357616844
Status : Answered
Chosen Option : B

Q.12 Professional ethics help teachers to understand their profession as a

2

- Ans ☒ A. guide
- ☒ B. helper
- ☒ C. teacher
- ☒ D. director

Question Type : MCQ
Question ID : 4335763982
Option 1 ID : 43357615925
Option 2 ID : 43357615926
Option 3 ID : 43357615927
Option 4 ID : 43357615928
Status : Answered
Chosen Option : A

Q.12 Sociological foundations are concerned with:
3

- Ans ☒ A. History
☒ B. Economy
☒ C. Society
☒ D. Idea

Question Type : MCQ
Question ID : 4335764220
Option 1 ID : 43357616877
Option 2 ID : 43357616878
Option 3 ID : 43357616879
Option 4 ID : 43357616880
Status : Answered
Chosen Option : C

Q.12 Which is not the characteristic of authoritative administration
4

- Ans ☒ A. Rudeness
☒ B. Suppression the subordinates
☒ C. Strict discipline
☒ D. Sharing

Question Type : MCQ
Question ID : 4335763895
Option 1 ID : 43357615577
Option 2 ID : 43357615578
Option 3 ID : 43357615579
Option 4 ID : 43357615580
Status : Answered
Chosen Option : D

Q.12 Learner-centered learning leads to _____
5

- Ans ☒ A. holistic development
☒ B. Enhanced Activity
☒ C. loss of interest
☒ D. None of these

Question Type : MCQ
Question ID : 4335763848
Option 1 ID : 43357615389
Option 2 ID : 43357615390
Option 3 ID : 43357615391
Option 4 ID : 43357615392
Status : Answered
Chosen Option : A

Q.12 Two components of an educational objective are
6

- Ans ☒ A. Cognitive and affective
☒ B. Expected behavior and learner's outcome
☒ C. Performance and skills
☒ D. General and specific

Question Type : MCQ
 Question ID : 4335763508
 Option 1 ID : 43357614029
 Option 2 ID : 43357614030
 Option 3 ID : 43357614031
 Option 4 ID : 43357614032
 Status : Answered
 Chosen Option : A

Q.12 Teacher can utilize both assessment for learning and assessment of learning to-----
7

- Ans ☒ A. Know learning needs of child and select teaching strategy accordingly
☒ B. Assess child's performance at periodic intervals and certify his/her performance
☒ C. Monitor children's progress and set appropriate goals to fill their learning gaps
☒ D. Know children's progress and achievement level

Question Type : MCQ
 Question ID : 4335764068
 Option 1 ID : 43357616269
 Option 2 ID : 43357616270
 Option 3 ID : 43357616271
 Option 4 ID : 43357616272
 Status : Answered
 Chosen Option : C

Q.12 _____ is the apex institution involved in the planned and coordinated development of
8 the teacher education system in the country.

- Ans ☒ A. UGC
☒ B. NCERT
☒ C. NCTE
☒ D. XSEED

Question Type : MCQ
 Question ID : 4335764283
 Option 1 ID : 43357617129
 Option 2 ID : 43357617130
 Option 3 ID : 43357617131
 Option 4 ID : 43357617132
 Status : Answered
 Chosen Option : A

Q.12 When classroom climate is positive, then learners know that they are valued
9 _____.

- Ans ☒ A. as individuals regardless of their appearance, personality or achievement
☒ B. only if they confirm to classroom norms
☒ C. only if they perform well in examinations
☒ D. only if they stay in their seats and speak only when asked.

Question Type : MCQ
Question ID : 4335763860
Option 1 ID : 43357615437
Option 2 ID : 43357615438
Option 3 ID : 43357615439
Option 4 ID : 43357615440
Status : Answered
Chosen Option : A

Q.13 The use of poems and storytelling to explain concepts in an EVS class helps
0 to.....

- Ans ☒ A. take care of the language and cultural diversity among learners
☒ B. channelise the energies of the students in the right direction
☒ C. make the lesson enjoyable and interesting
☒ D. promote the ability to imagine and explore the nature of the world at the local and global level

Question Type : MCQ
Question ID : 4335763631
Option 1 ID : 43357614521
Option 2 ID : 43357614522
Option 3 ID : 43357614523
Option 4 ID : 43357614524
Status : Answered
Chosen Option : A

Section : Part III

Q.13 Which statement is incorrect about the Tetris game?
1

- Ans ☒ A. The game was created by Alexey Pajitnov in 1984
☒ B. The game consists of falling blocks, known as tetrominoes.
☒ C. The game is played on a 10x10 grid
☒ D. The objective is to clear lines by aligning blocks of the same color.

Question Type : MCQ
Question ID : 4335764534
Option 1 ID : 43357618133
Option 2 ID : 43357618134
Option 3 ID : 43357618135
Option 4 ID : 43357618136
Status : Answered
Chosen Option : B

Q.13 A square pyramid has.....

2

- Ans ☒ A. Four faces
☒ B. Three faces
☒ C. Five faces
☒ D. None of these

Question Type : MCQ
 Question ID : 4335764671
 Option 1 ID : 43357618681
 Option 2 ID : 43357618682
 Option 3 ID : 43357618683
 Option 4 ID : 43357618684
 Status : Answered
 Chosen Option : A

Q.13 if A means +, B means-, Z means÷ and C means*, then

3

10C2A5B5=?

- Ans ☒ A. 5
☒ B. 10
☒ C. 15
☒ D. 20

Question Type : MCQ
 Question ID : 4335764928
 Option 1 ID : 43357619709
 Option 2 ID : 43357619710
 Option 3 ID : 43357619711
 Option 4 ID : 43357619712
 Status : Answered
 Chosen Option : D

Q.13 If F,V and E are respectively the number of faces, vertices and edges of a triangular prism, then which of the following statements is true?

4

- Ans ☒ A. $4F+2V-3E=6$
☒ B. $2F+3V-2E = 10$
☒ C. $2F+4V-3E=8$
☒ D. $3F+2V-2E=11$

Question Type : MCQ
 Question ID : 4335764792
 Option 1 ID : 43357619165
 Option 2 ID : 43357619166
 Option 3 ID : 43357619167
 Option 4 ID : 43357619168
 Status : Answered
 Chosen Option : C

Q.13 Which group of organisms does not have claws?

5

- Ans ☒ A. Mammals
☒ B. Reptiles
☒ C. Fishes
☒ D. Amphibians

Question Type : MCQ
 Question ID : 4335764518
 Option 1 ID : 43357618069
 Option 2 ID : 43357618070
 Option 3 ID : 43357618071
 Option 4 ID : 43357618072
 Status : Answered
 Chosen Option : A

Q.13 Choose the correct option instead of the question mark in the given question.

6

DRAW : WARD :: TRAP : ?

- Ans ☒ A. RATP
☒ B. PART
☒ C. USBQ
☒ D. ARTP

Question Type : MCQ
 Question ID : 4335764841
 Option 1 ID : 43357619361
 Option 2 ID : 43357619362
 Option 3 ID : 43357619363
 Option 4 ID : 43357619364
 Status : Answered
 Chosen Option : B

Q.13 Seema facing East walks 6 m. then turn right and walks 9 m. then she turn left and
 7 walked 6 m. How far is she from starting point ?

- Ans ☒ A. 5 m.
☒ B. 10 m.
☒ C. 15 m.
☒ D. 20 m.

Question Type : MCQ
 Question ID : 4335764916
 Option 1 ID : 43357619661
 Option 2 ID : 43357619662
 Option 3 ID : 43357619663
 Option 4 ID : 43357619664
 Status : Answered
 Chosen Option : C

Q.13 Vitamin A and K is rich in.....
8

- Ans ☒ A. Rice crop
☒ B. Poultry feed
☒ C. Parasites
☒ D. Manure

Question Type : MCQ
Question ID : 4335764657
Option 1 ID : 43357618625
Option 2 ID : 43357618626
Option 3 ID : 43357618627
Option 4 ID : 43357618628
Status : Answered
Chosen Option : A

Q.13 Which food group is mostly consumed by teenagers to get more calcium?
9

- Ans ☒ A. Grains
☒ B. Meats and beans
☒ C. Dairy
☒ D. All of these

Question Type : MCQ
Question ID : 4335764590
Option 1 ID : 43357618357
Option 2 ID : 43357618358
Option 3 ID : 43357618359
Option 4 ID : 43357618360
Status : Answered
Chosen Option : C

Q.14 Calculate the sum of lengths: 21 m 93 cm, 33 m 95 cm and 45 m 86 cm.
0

- Ans ☒ A. 99 m 74 cm
☒ B. 98 m 74 cm
☒ C. 99 m 75 cm
☒ D. 101 m 74 cm

Question Type : MCQ
Question ID : 4335764710
Option 1 ID : 43357618837
Option 2 ID : 43357618838
Option 3 ID : 43357618839
Option 4 ID : 43357618840
Status : Answered
Chosen Option : D

Q.14 In a code language BHOPAL is written as OLOLOL, then what will be RANCHI written in
1 that language?

- Ans ☒ A. RIRIRI
☒ B. SBODIJ
☒ C. NININI
☒ D. THCNAR

Question Type : MCQ
Question ID : 4335764884
Option 1 ID : 43357619533
Option 2 ID : 43357619534
Option 3 ID : 43357619535
Option 4 ID : 43357619536
Status : Answered
Chosen Option : C

Q.14 A Rectangular SandBox is 5 m wide and 2 m long. How many Cubic Metres of Sand is
2 needed to fill the Box into a Depth of 10 cm?

- Ans ☒ A. 2.5
☒ B. 1
☒ C. 5
☒ D. 3

Question Type : MCQ
Question ID : 4335764729
Option 1 ID : 43357618913
Option 2 ID : 43357618914
Option 3 ID : 43357618915
Option 4 ID : 43357618916
Status : Answered
Chosen Option : A

Q.14 Which of the following statements is not correct with regard to a mathematics
3 textbook?

- Ans ☒ A. Examples in a mathematics textbook should be related to daily life of the students.
☒ B. A mathematics textbook should have solved examples only.
☒ C. A textbook of mathematics should not be very thick or heavy.
☒ D. A mathematics textbook should have varied exercises to give practice to students.

Question Type : MCQ
Question ID : 4335764785
Option 1 ID : 43357619137
Option 2 ID : 43357619138
Option 3 ID : 43357619139
Option 4 ID : 43357619140
Status : Answered
Chosen Option : B

Q.14 Which one of the following is the language of the famous political treatise
4 Amuktamalyada?

- Ans ☒ A. Sanskrit
☒ B. Tamil
☒ C. Kannada
☒ D. Telugu

Question Type : MCQ
Question ID : 4335764469
Option 1 ID : 43357617873
Option 2 ID : 43357617874
Option 3 ID : 43357617875
Option 4 ID : 43357617876
Status : Answered
Chosen Option : B

Q.14 In which five year plan of independent India the focus was on the development of
5 industrialization -

- Ans ☒ A. Second
☒ B. Third
☒ C. Fifth
☒ D. Sixth

Question Type : MCQ
Question ID : 4335764415
Option 1 ID : 43357617657
Option 2 ID : 43357617658
Option 3 ID : 43357617659
Option 4 ID : 43357617660
Status : Answered
Chosen Option : B

Q.14 Which of the port is not a Natural Port?
6

- Ans ☒ A. Chennai
☒ B. Mumbai
☒ C. Cochin
☒ D. Paradip

Question Type : MCQ
Question ID : 4335764613
Option 1 ID : 43357618449
Option 2 ID : 43357618450
Option 3 ID : 43357618451
Option 4 ID : 43357618452
Status : Answered
Chosen Option : D

Q.14 The Kyoto Protocol specifically relates to which one among the following issues?

7

- Ans ☒ A. Emission reduction
☒ B. Ozone layer depletion
☒ C. Chlorofluorocarbons
☒ D. Biodiversity management

Question Type : MCQ
 Question ID : 4335764388
 Option 1 ID : 43357617549
 Option 2 ID : 43357617550
 Option 3 ID : 43357617551
 Option 4 ID : 43357617552
 Status : Answered
 Chosen Option : A

Q.14 Who was the founder of Mewar Praja Mandal ?

8

- Ans ☒ A. Motilal Tejawat
☒ B. Vallabh Bahi Patel
☒ C. Manik Lal Verma
☒ D. Swami Govindanand

Question Type : MCQ
 Question ID : 4335764444
 Option 1 ID : 43357617773
 Option 2 ID : 43357617774
 Option 3 ID : 43357617775
 Option 4 ID : 43357617776
 Status : Answered
 Chosen Option : A

Q.14 Which of the following statements is/are correct?

9

- (1) First Law Commssion recommended Indian Penal Code, 1860.
 (2) Indian Penal Code, 1860 has been completely replaced by the Bharatiya Nyaya Sanhita, 2023.

Select the correct answer from the given options:

- Ans ☒ A. 1 Only.
☒ B. 2 Only
☒ C. Both 1 and 2
☒ D. Neither 1 nor 2

Question Type : MCQ
 Question ID : 4335764347
 Option 1 ID : 43357617385
 Option 2 ID : 43357617386
 Option 3 ID : 43357617387
 Option 4 ID : 43357617388
 Status : Answered
 Chosen Option : C

Q.15 In the following question, from the given alternative words, select the word which
0 cannot be formed using the letters of the given word.
Nightwalker

- Ans ☒ A. Talker
☒ B. Tailer
☒ C. Waller
☒ D. Winer

Question Type : MCQ
Question ID : 4335764975
Option 1 ID : 43357619897
Option 2 ID : 43357619898
Option 3 ID : 43357619899
Option 4 ID : 43357619900
Status : Answered
Chosen Option : C

