

BSTET (Class 11-12)

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

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Exam Name	STET Exam 2025
Paper	Paper II
Roll No	
Participant Name	
Test Center Name	
Test Date	04/11/2025
Test Time	2:00 PM - 4:30 PM

Section : Part I Computer Science(226)

Q.1 Which type of method does not have an implementation in the base class and must be overridden by derived classes?

- Ans ☒ A. Virtual method
☒ B. Abstract method
☒ C. Sealed method
☒ D. Static method

Question Type : MCQ
 Question ID : 4335766245
 Option 1 ID : 43357624977
 Option 2 ID : 43357624978
 Option 3 ID : 43357624979
 Option 4 ID : 43357624980
 Status : Answered
 Chosen Option : B

Q.2 Which of the following is a DML command in SQL ?

- Ans ☒ A. UPDATE
☒ B. CREATE
☒ C. ALTER
☒ D. DROP

Question Type : MCQ
 Question ID : 4335766442
 Option 1 ID : 43357625765
 Option 2 ID : 43357625766
 Option 3 ID : 43357625767
 Option 4 ID : 43357625768
 Status : Answered
 Chosen Option : C

Q.3 For a DFA accepting binary numbers whose decimal equivalent is divisible by 3, what are all the possible remainders?

- Ans ☒ A. 0
☒ B. 0,2
☒ C. 0,1,2
☒ D. 0,1,2,3

Question Type : MCQ
 Question ID : 4335766294
 Option 1 ID : 43357625173
 Option 2 ID : 43357625174
 Option 3 ID : 43357625175
 Option 4 ID : 43357625176
 Status : Answered
 Chosen Option : B

Q.4 The concept of monitors was introduced by:

- Ans ☒ A. Edsger Dijkstra
☒ B. Alan Turing
☒ C. Tim Berners-Lee
☒ D. Linus Torvalds

Question Type : MCQ
 Question ID : 4335766138
 Option 1 ID : 43357624549
 Option 2 ID : 43357624550
 Option 3 ID : 43357624551
 Option 4 ID : 43357624552
 Status : Answered
 Chosen Option : C

Q.5 De Morgan's Theorems are particularly useful in simplifying logic expressions that have a large number of _____.

- Ans ☒ A. Variables
☒ B. Constants
☒ C. Terms
☒ D. Operators

Question Type : MCQ
 Question ID : 4335766065
 Option 1 ID : 43357624257
 Option 2 ID : 43357624258
 Option 3 ID : 43357624259
 Option 4 ID : 43357624260
 Status : Answered
 Chosen Option : A

Q.6 What does SQL stand for?

- Ans ☒ A. Structured Query Language
- ☒ B. Simple Query Language
- ☒ C. Systematic Query Logic
- ☒ D. Standard Query Level

Question Type : MCQ
Question ID : 4335766275
Option 1 ID : 43357625097
Option 2 ID : 43357625098
Option 3 ID : 43357625099
Option 4 ID : 43357625100
Status : Answered
Chosen Option : A

Q.7 What does the 'https' in a web address indicate ?

- Ans ☒ A. The website is hosted on a local server
- ☒ B. The website is a search engine
- ☒ C. The website uses standard HTTP protocol
- ☒ D. The website is secure using encryption

Question Type : MCQ
Question ID : 4335766025
Option 1 ID : 43357624097
Option 2 ID : 43357624098
Option 3 ID : 43357624099
Option 4 ID : 43357624100
Status : Answered
Chosen Option : D

Q.8 What is an entity in DTD?

- Ans ☒ A. A reference to an external resource
- ☒ B. A mathematical equation
- ☒ C. A special XML tag
- ☒ D. A function in JavaScript

Question Type : MCQ
Question ID : 4335766270
Option 1 ID : 43357625077
Option 2 ID : 43357625078
Option 3 ID : 43357625079
Option 4 ID : 43357625080
Status : Answered
Chosen Option : A

Q.9 The aliasing effect on an image can be reduced using which of the following methods?

- Ans ☐ A. By reducing the high-frequency components of image by clarifying the image
☐ B. By increasing the high-frequency components of image by clarifying the image
☐ C. By increasing the high-frequency components of image by blurring the image
☒ D. By reducing the high-frequency components of image by blurring the image

Question Type : MCQ
 Question ID : 4335766414
 Option 1 ID : 43357625653
 Option 2 ID : 43357625654
 Option 3 ID : 43357625655
 Option 4 ID : 43357625656
 Status : Answered
 Chosen Option : B

Q.10 Which version of IP address is most suitable for IoT?

- Ans ☐ A. IP V4
☐ B. IP V5
☒ C. IP V6
☐ D. IP V7

Question Type : MCQ
 Question ID : 4335766323
 Option 1 ID : 43357625289
 Option 2 ID : 43357625290
 Option 3 ID : 43357625291
 Option 4 ID : 43357625292
 Status : Answered
 Chosen Option : B

Q.11 In computer graphics, arrays can be used to store pixel values for images. Which type of array would be suitable for this purpose?

- Ans ☐ A. 1-D array
☒ B. 2-D array
☐ C. 3-D array
☐ D. 4-D array

Question Type : MCQ
 Question ID : 4335766118
 Option 1 ID : 43357624469
 Option 2 ID : 43357624470
 Option 3 ID : 43357624471
 Option 4 ID : 43357624472
 Status : Answered
 Chosen Option : B

Q.12 Frame design in the Data Link Layer includes:

- Ans ☒ A. Deciding the routing path for data packets
- ☒ B. Defining the structure of data frames
- ☒ C. Assigning IP addresses to devices
- ☒ D. Setting the data transmission rate

Question Type : MCQ
Question ID : 4335766185
Option 1 ID : 43357624737
Option 2 ID : 43357624738
Option 3 ID : 43357624739
Option 4 ID : 43357624740
Status : Answered
Chosen Option : B

Q.13 In general, a file is basically a collection of all related _____.

- Ans ☒ A. Rows & Columns
- ☒ B. Database
- ☒ C. Fields
- ☒ D. Records

Question Type : MCQ
Question ID : 4335766171
Option 1 ID : 43357624681
Option 2 ID : 43357624682
Option 3 ID : 43357624683
Option 4 ID : 43357624684
Status : Answered
Chosen Option : B

Q.14 Which of the following refers to the level of data abstraction that describes exactly how the data actually stored?

- Ans ☒ A. Conceptual Level
- ☒ B. Physical Level
- ☒ C. File Level
- ☒ D. Logical Level

Question Type : MCQ
Question ID : 4335766165
Option 1 ID : 43357624657
Option 2 ID : 43357624658
Option 3 ID : 43357624659
Option 4 ID : 43357624660
Status : Answered
Chosen Option : D

Q.15 What is the full form of SCADA?

- Ans ☒ A. Supervisory Control and Document Acquisition
- ☒ B. Supervisory Control and Data Acquisition
- ☒ C. Supervisory Column and Data Assessment
- ☒ D. Supervisory Control and Data Assessment

Question Type : MCQ

Question ID : 4335766328

Option 1 ID : 43357625309

Option 2 ID : 43357625310

Option 3 ID : 43357625311

Option 4 ID : 43357625312

Status : Answered

Chosen Option : B

Q.16 Full form of MQTT is

- Ans ☒ A. Multi-Queue Telemetry Things
- ☒ B. Multiple Queueing Telemetry Things
- ☒ C. Message Queue Telemetry Things
- ☒ D. Message Queue Telemetry Transport

Question Type : MCQ

Question ID : 4335766327

Option 1 ID : 43357625305

Option 2 ID : 43357625306

Option 3 ID : 43357625307

Option 4 ID : 43357625308

Status : Answered

Chosen Option : A

Q.17 What is the term for defining multiple methods in a class with the same name but different parameters?

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

Question Type : MCQ

Question ID : 4335766244

Option 1 ID : 43357624973

Option 2 ID : 43357624974

Option 3 ID : 43357624975

Option 4 ID : 43357624976

Status : Answered

Chosen Option : D

Q.18 In HTML, we start a comment using :

- Ans ☒ A. <!--
- ☐ B. !- ->
- ☐ C. - -!>
- ☐ D. <--!

Question Type : MCQ
Question ID : 4335766470
Option 1 ID : 43357625877
Option 2 ID : 43357625878
Option 3 ID : 43357625879
Option 4 ID : 43357625880
Status : Answered
Chosen Option : A

Q.19 Consider the statements given below and then choose the correct output from the given options :
D={ 'S01' : 95, 'S02' : 96 }
for I in D :
print (I , end = '#')

- Ans ☒ A. S01#S02#
- ☐ B. 95#96#
- ☐ C. S01,95#S02,96#
- ☐ D. S01#95#S02#96#

Question Type : MCQ
Question ID : 4335766437
Option 1 ID : 43357625745
Option 2 ID : 43357625746
Option 3 ID : 43357625747
Option 4 ID : 43357625748
Status : Answered
Chosen Option : A

Q.20 In Karnaugh Maps, which of the following terms refers to a group of adjacent cells that can be combined to simplify a logic expression?

- Ans ☐ A. Block
- ☐ B. Cluster
- ☐ C. Pair
- ☒ D. Group

Question Type : MCQ
Question ID : 4335766062
Option 1 ID : 43357624245
Option 2 ID : 43357624246
Option 3 ID : 43357624247
Option 4 ID : 43357624248
Status : Answered
Chosen Option : B

Q.21 Select the correct option to fill in the blank : A _____ is an online platform or website where individuals or businesses regularly publish articles/journals, known as posts, on various topics.

- Ans ☒ A. Brower
- ☒ B. Blog
- ☒ C. News Group
- ☒ D. Web Server

Question Type : MCQ
Question ID : 4335766424
Option 1 ID : 43357625693
Option 2 ID : 43357625694
Option 3 ID : 43357625695
Option 4 ID : 43357625696
Status : Answered
Chosen Option : B

Q.22 The dining philosophers problem is an example of a synchronization problem related to:

- Ans ☒ A. Process scheduling
- ☒ B. Mutual exclusion
- ☒ C. Memory allocation
- ☒ D. Interrupt handling

Question Type : MCQ
Question ID : 4335766144
Option 1 ID : 43357624573
Option 2 ID : 43357624574
Option 3 ID : 43357624575
Option 4 ID : 43357624576
Status : Answered
Chosen Option : D

Q.23 Inter-process communication (IPC) is a mechanism used for:

- Ans ☒ A. Preventing processes from executing concurrently
- ☒ B. Allowing processes to run independently without communication
- ☒ C. Enabling processes to exchange information and synchronize their actions
- ☒ D. Enabling processes to execute in a random order

Question Type : MCQ
Question ID : 4335766136
Option 1 ID : 43357624541
Option 2 ID : 43357624542
Option 3 ID : 43357624543
Option 4 ID : 43357624544
Status : Answered
Chosen Option : C

Q.24 What is the purpose of Domain Name System Server in networking?

- Ans ☒ A. To encrypt data during transmission.
- ☒ B. To convert domain names into IP addresses
- ☒ C. To regulate network traffic flow.
- ☒ D. To establish a secure connection between devices.

Question Type : MCQ
Question ID : 4335765997
Option 1 ID : 43357623985
Option 2 ID : 43357623986
Option 3 ID : 43357623987
Option 4 ID : 43357623988
Status : Answered
Chosen Option : D

Q.25 Which programming paradigm focuses on breaking down a program into smaller procedures or functions?

- Ans ☒ A. Object-Oriented Programming
- ☒ B. Procedural Programming
- ☒ C. Functional Programming
- ☒ D. Imperative Programming

Question Type : MCQ
Question ID : 4335766227
Option 1 ID : 43357624905
Option 2 ID : 43357624906
Option 3 ID : 43357624907
Option 4 ID : 43357624908
Status : Answered
Chosen Option : C

Q.26 Which form of e-marketplace brings together buyers and sellers from multiple industries, often for MRO materials?

- Ans ☒ A. Horizontal
- ☒ B. Vertical
- ☒ C. integrated
- ☒ D. isolated

Question Type : MCQ
Question ID : 4335766383
Option 1 ID : 43357625529
Option 2 ID : 43357625530
Option 3 ID : 43357625531
Option 4 ID : 43357625532
Status : Answered
Chosen Option : B

Q.27 Which Internet Protocol is responsible for mapping IP addresses to MAC addresses?

Ans ☒ A. ARP

☒ B. TCP

☒ C. ICMP

☒ D. DNS

Question Type : MCQ

Question ID : 4335766177

Option 1 ID : 43357624705

Option 2 ID : 43357624706

Option 3 ID : 43357624707

Option 4 ID : 43357624708

Status : Answered

Chosen Option : B

Q.28 The Cost Estimation technique that involves expert judgments and consensus is called:

Ans ☒ A. COCOMO

☒ B. Delphi Method

☒ C. Waterfall Model

☒ D. Prototype Model

Question Type : MCQ

Question ID : 4335766219

Option 1 ID : 43357624873

Option 2 ID : 43357624874

Option 3 ID : 43357624875

Option 4 ID : 43357624876

Status : Answered

Chosen Option : A

Q.29 Which type of adder is designed to overcome the propagation delay issues in ripple carry adders and generate carry signals more efficiently?

Ans ☒ A. Ripple Carry Adder

☒ B. Carry Look-Ahead Adder

☒ C. Binary Adder

☒ D. Half Adder

Question Type : MCQ

Question ID : 4335766066

Option 1 ID : 43357624261

Option 2 ID : 43357624262

Option 3 ID : 43357624263

Option 4 ID : 43357624264

Status : Answered

Chosen Option : C

Q.30 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) : SMS is an acronym for Smart Message Service. Reason (R) : SMS is the most common technology for delivering short, concise and important messages quickly.

- 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 : 4335766430
 Option 1 ID : 43357625717
 Option 2 ID : 43357625718
 Option 3 ID : 43357625719
 Option 4 ID : 43357625720
 Status : Answered
 Chosen Option : B

Q.31 Which of the following conversion is not possible (algorithmically)?

- Ans ☒ A. Regular grammar to context-free grammar
☒ B. Non-deterministic pushdown automata to deterministic pushdown automata
☒ C. Non-deterministic finite state automata to deterministic finite state automata
☒ D. Non deterministic Turing machine to deterministic Turing machine

Question Type : MCQ
 Question ID : 4335766315
 Option 1 ID : 43357625257
 Option 2 ID : 43357625258
 Option 3 ID : 43357625259
 Option 4 ID : 43357625260
 Status : Answered
 Chosen Option : A

Q.32 Which among the followings is not a property of knowledge representation?

- Ans ☒ A. Representational Verification
☒ B. Representational Adequacy
☒ C. Inferential Adequacy
☒ D. Inferential Efficiency

Question Type : MCQ
 Question ID : 4335766367
 Option 1 ID : 43357625465
 Option 2 ID : 43357625466
 Option 3 ID : 43357625467
 Option 4 ID : 43357625468
 Status : Answered
 Chosen Option : B

Q.33 Which of the following describes e-commerce?

- Ans ☒ A. Doing business electronically
- ☐ B. Doing business
- ☐ C. Sale of goods
- ☐ D. All of the above

Question Type : MCQ
Question ID : 4335766378
Option 1 ID : 43357625509
Option 2 ID : 43357625510
Option 3 ID : 43357625511
Option 4 ID : 43357625512
Status : Answered
Chosen Option : A

Q.34 How can you make an asynchronous request to a server in JavaScript?

- Ans ☐ A. Using the "async" keyword
- ☐ B. Using the "await" keyword
- ☒ C. Using the fetch API or XMLHttpRequest
- ☐ D. By defining a callback function

Question Type : MCQ
Question ID : 4335766262
Option 1 ID : 43357625045
Option 2 ID : 43357625046
Option 3 ID : 43357625047
Option 4 ID : 43357625048
Status : Answered
Chosen Option : A

Q.35 Evaluate the given postfix expression:
 $3\ 5\ 6\ +\ 2\ 3\ * -$

- Ans ☐ A. 39
- ☒ B. 15
- ☐ C. -9
- ☐ D. -17

Question Type : MCQ
Question ID : 4335765988
Option 1 ID : 43357623949
Option 2 ID : 43357623950
Option 3 ID : 43357623951
Option 4 ID : 43357623952
Status : Answered
Chosen Option : B

Q.36 Why do we need Industry 4.0

- Ans ☒ A. Detecting Machine failures
☒ B. Preventing Machine failures
☒ C. Improving safaty
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766342
 Option 1 ID : 43357625365
 Option 2 ID : 43357625366
 Option 3 ID : 43357625367
 Option 4 ID : 43357625368
 Status : Answered
 Chosen Option : D

Q.37 _____ uses packet switching technology to carry voice traffic over an IP network where each packet follows best route to reach its destination.

- Ans ☒ A. E-mail
☒ B. HTTP
☒ C. VoIP
☒ D. SMTP

Question Type : MCQ
 Question ID : 4335766005
 Option 1 ID : 43357624017
 Option 2 ID : 43357624018
 Option 3 ID : 43357624019
 Option 4 ID : 43357624020
 Status : Answered
 Chosen Option : A

Q.38 Delphi and COCOMO are techniques used for estimating:

- Ans ☒ A. Software size
☒ B. Software reliability
☒ C. Software complexity
☒ D. Software development cost

Question Type : MCQ
 Question ID : 4335766214
 Option 1 ID : 43357624853
 Option 2 ID : 43357624854
 Option 3 ID : 43357624855
 Option 4 ID : 43357624856
 Status : Answered
 Chosen Option : B

Q.39 In the Backtracking approach for the 8-Queens problem, once a feasible solution is found, the algorithm:

- Ans ☒ A. Stops and returns the solution
- ☒ B. Continues searching for more solutions
- ☒ C. Iterates through all possibilities
- ☒ D. Rearranges the queens to optimize the solution

Question Type : MCQ
Question ID : 4335766086
Option 1 ID : 43357624341
Option 2 ID : 43357624342
Option 3 ID : 43357624343
Option 4 ID : 43357624344
Status : Answered
Chosen Option : B

Q.40 When using the parity bit method, how does the receiver determine if an error has occurred during transmission?

- Ans ☒ A. By counting the number of ones in the data
- ☒ B. By comparing the parity bit with the data
- ☒ C. By performing modulo arithmetic
- ☒ D. By comparing the number of ones with the parity bit

Question Type : MCQ
Question ID : 4335766068
Option 1 ID : 43357624269
Option 2 ID : 43357624270
Option 3 ID : 43357624271
Option 4 ID : 43357624272
Status : Answered
Chosen Option : A

Q.41 The term used to describe the maximum amount of data that can be transmitted over a communication channel in a given time period is:

- Ans ☒ A. Bandwidth
- ☒ B. Data Rate
- ☒ C. Latency
- ☒ D. Protocol

Question Type : MCQ
Question ID : 4335766179
Option 1 ID : 43357624713
Option 2 ID : 43357624714
Option 3 ID : 43357624715
Option 4 ID : 43357624716
Status : Answered
Chosen Option : A

Q.42 What will be the output of the following statement ?
Print (14%3**2*4)

- Ans ☒ A. 16
☒ B. 64
☒ C. 20
☒ D. 256

Question Type : MCQ
Question ID : 4335766431
Option 1 ID : 43357625721
Option 2 ID : 43357625722
Option 3 ID : 43357625723
Option 4 ID : 43357625724
Status : Answered
Chosen Option : A

Q.43 In XML, which attribute is used to uniquely identify an element?

- Ans ☒ A. id
☒ B. class
☒ C. name
☒ D. tag

Question Type : MCQ
Question ID : 4335766269
Option 1 ID : 43357625073
Option 2 ID : 43357625074
Option 3 ID : 43357625075
Option 4 ID : 43357625076
Status : Answered
Chosen Option : A

Q.44 Which of the following is type 1 language or Type 1 grammar?

- Ans ☒ A. Regular grammar/ Regular language
☒ B. Context Free Grammar / Context Free language
☒ C. Context Sensitive Grammar / Context Sensitive language
☒ D. Recursively Enumerable

Question Type : MCQ
Question ID : 4335766305
Option 1 ID : 43357625217
Option 2 ID : 43357625218
Option 3 ID : 43357625219
Option 4 ID : 43357625220
Status : Answered
Chosen Option : B

Q.45 Which keyword is used to indicate that a class cannot be inherited by other classes?

- Ans ☒ A. sealed
☒ B. final
☒ C. private
☒ D. static

Question Type : MCQ
 Question ID : 4335766248
 Option 1 ID : 43357624989
 Option 2 ID : 43357624990
 Option 3 ID : 43357624991
 Option 4 ID : 43357624992
 Status : Answered
 Chosen Option : A

Q.46 A universal Turing machine is a-----

- Ans ☒ A. Single tape Turing machine
☒ B. Two-tape Turing machine
☒ C. Reprogrammable Turing machine
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766313
 Option 1 ID : 43357625249
 Option 2 ID : 43357625250
 Option 3 ID : 43357625251
 Option 4 ID : 43357625252
 Status : Answered
 Chosen Option : D

Q.47 To convert a Gray Code to its binary equivalent, which technique is commonly used?

- Ans ☒ A. Subtraction method
☒ B. Addition method
☒ C. Exclusive OR (XOR) operation
☒ D. Division method

Question Type : MCQ
 Question ID : 4335766053
 Option 1 ID : 43357624209
 Option 2 ID : 43357624210
 Option 3 ID : 43357624211
 Option 4 ID : 43357624212
 Status : Answered
 Chosen Option : C

Q.48 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) : CSS is an attribute of the table tag and is used to style tables on a web page. Reason (R) : CSS is used to apply styles, such as fonts, colors, and spacing in an HTML document.

- 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 : 4335766029
Option 1 ID : 43357624113
Option 2 ID : 43357624114
Option 3 ID : 43357624115
Option 4 ID : 43357624116
Status : Answered
Chosen Option : B

Q.49 Which sorting algorithm has a worst-case time complexity of $O(n^2)$ in its basic form?

- Ans ☒ A. Quick Sort
- ☒ B. Merge Sort
- ☒ C. Insertion Sort
- ☒ D. Counting Sort

Question Type : MCQ
Question ID : 4335766105
Option 1 ID : 43357624417
Option 2 ID : 43357624418
Option 3 ID : 43357624419
Option 4 ID : 43357624420
Status : Answered
Chosen Option : A

Q.50 Greedy search strategy chooses the node for expansion in _____

- Ans ☒ A. Shallowest
- ☒ B. Deepest
- ☒ C. The one close to the goal node
- ☒ D. Minimum heuristic cost

Question Type : MCQ
Question ID : 4335766363
Option 1 ID : 43357625449
Option 2 ID : 43357625450
Option 3 ID : 43357625451
Option 4 ID : 43357625452
Status : Answered
Chosen Option : C

Q.51 The software developed to detect and remove viruses only is called _____.

- Ans ☒ A. Malware
☒ B. Antivirus
☒ C. Spyware
☒ D. Adware

Question Type : MCQ
 Question ID : 4335766016
 Option 1 ID : 43357624061
 Option 2 ID : 43357624062
 Option 3 ID : 43357624063
 Option 4 ID : 43357624064
 Status : Answered
 Chosen Option : B

Q.52 Which of the following refers to the level of data abstraction that describes exactly how the data stored?

- Ans ☒ A. Conceptual Level
☒ B. Physical Level
☒ C. File Level
☒ D. Logical Level

Question Type : MCQ
 Question ID : 4335766159
 Option 1 ID : 43357624633
 Option 2 ID : 43357624634
 Option 3 ID : 43357624635
 Option 4 ID : 43357624636
 Status : Answered
 Chosen Option : D

Q.53 Which function should be used to get first n rows of a dataframe ?

- Ans ☒ A. print(n)
☒ B. head(n)
☒ C. get(n)
☒ D. call(n)

Question Type : MCQ
 Question ID : 4335766001
 Option 1 ID : 43357624001
 Option 2 ID : 43357624002
 Option 3 ID : 43357624003
 Option 4 ID : 43357624004
 Status : Answered
 Chosen Option : A

Q.54 Which of the following is a mapped data type?

- Ans ☒ A. List
☒ B. Sets
☒ C. Dictionary
☒ D. Boolean

Question Type : MCQ
 Question ID : 4335766452
 Option 1 ID : 43357625805
 Option 2 ID : 43357625806
 Option 3 ID : 43357625807
 Option 4 ID : 43357625808
 Status : Answered
 Chosen Option : B

Q.55 The applications of AI includes

- Ans ☒ A. Gaming
☒ B. Expert Systems
☒ C. ML and DL
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766355
 Option 1 ID : 43357625417
 Option 2 ID : 43357625418
 Option 3 ID : 43357625419
 Option 4 ID : 43357625420
 Status : Answered
 Chosen Option : B

Q.56 The easiest way in which we can transfer control is when the old backup site sends _____ to the old primary.

- Ans ☒ A. Redo logs
☒ B. Primary Logs
☒ C. Undo Logs
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766168
 Option 1 ID : 43357624669
 Option 2 ID : 43357624670
 Option 3 ID : 43357624671
 Option 4 ID : 43357624672
 Status : Answered
 Chosen Option : B

Q.57 The minimum number of productions required to produce a language consisting of palindrome strings over $\Sigma=\{a,b\}$ is

- Ans ☒ A. 3
☒ B. 7
☒ C. 5
☒ D. 6

Question Type : MCQ
 Question ID : 4335766299
 Option 1 ID : 43357625193
 Option 2 ID : 43357625194
 Option 3 ID : 43357625195
 Option 4 ID : 43357625196
 Status : Answered
 Chosen Option : B

Q.58 WSN stands for?

- Ans ☒ A. Wireless Standard Protocol
☒ B. Wireless Sensor Protocol
☒ C. Wireless Serial Protocol
☒ D. Wireless Single Protocol

Question Type : MCQ
 Question ID : 4335766326
 Option 1 ID : 43357625301
 Option 2 ID : 43357625302
 Option 3 ID : 43357625303
 Option 4 ID : 43357625304
 Status : Answered
 Chosen Option : A

Q.59 Auxiliary storage space management in an operating system involves:

- Ans ☒ A. Allocating memory for CPU registers
☒ B. Managing input/output operations between processes and devices
☒ C. Managing the allocation of memory to processes
☒ D. Managing the allocation of space on secondary storage devices

Question Type : MCQ
 Question ID : 4335766124
 Option 1 ID : 43357624493
 Option 2 ID : 43357624494
 Option 3 ID : 43357624495
 Option 4 ID : 43357624496
 Status : Answered
 Chosen Option : B

Q.60 Each ____ represents a particular colour.

- Ans ☒ A. Frame
☒ B. Character
☒ C. Pixel value
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766408
 Option 1 ID : 43357625629
 Option 2 ID : 43357625630
 Option 3 ID : 43357625631
 Option 4 ID : 43357625632
 Status : Answered
 Chosen Option : B

Q.61 The quality of ____ remains unchanged even if the size is increased or decreased.

- Ans ☒ A. Vector graphics
☒ B. Illustrations
☒ C. Photographs
☒ D. Line images

Question Type : MCQ
 Question ID : 4335766410
 Option 1 ID : 43357625637
 Option 2 ID : 43357625638
 Option 3 ID : 43357625639
 Option 4 ID : 43357625640
 Status : Answered
 Chosen Option : A

Q.62 Software engineering emerged due to:

- Ans ☒ A. The decline of computer technology
☒ B. The need for complex hardware systems
☒ C. The challenges posed by software development
☒ D. The focus on hardware-only solutions

Question Type : MCQ
 Question ID : 4335766201
 Option 1 ID : 43357624801
 Option 2 ID : 43357624802
 Option 3 ID : 43357624803
 Option 4 ID : 43357624804
 Status : Answered
 Chosen Option : B

Q.63 Which software life cycle model is based on iterative prototyping?

- Ans ☒ A. Waterfall model
☒ B. Spiral model
☒ C. Agile model
☒ D. Prototype model

Question Type : MCQ
 Question ID : 4335766217
 Option 1 ID : 43357624865
 Option 2 ID : 43357624866
 Option 3 ID : 43357624867
 Option 4 ID : 43357624868
 Status : Answered
 Chosen Option : C

Q.64 Which technology offers the highest level of customization for implementing digital logic circuits?

- Ans ☒ A. ROM-based design
☒ B. PLA-based design
☒ C. FPGA-based design
☒ D. Gate Array-based design

Question Type : MCQ
 Question ID : 4335766035
 Option 1 ID : 43357624137
 Option 2 ID : 43357624138
 Option 3 ID : 43357624139
 Option 4 ID : 43357624140
 Status : Answered
 Chosen Option : C

Q.65 Stack works on the principle of.....

- Ans ☒ A. Mid Element First
☒ B. First In First Out
☒ C. Last In First Out
☒ D. Last In Last Out

Question Type : MCQ
 Question ID : 4335765989
 Option 1 ID : 43357623953
 Option 2 ID : 43357623954
 Option 3 ID : 43357623955
 Option 4 ID : 43357623956
 Status : Answered
 Chosen Option : B

Q.66 SFTP is used for :

- Ans ☒ A. Sending Files over the Internet in a secure manner
☒ B. Sending Mail over the Internet in a secure manner
☒ C. Video Conferencing
☒ D. Secure Chat Services

Question Type : MCQ
 Question ID : 4335766103
 Option 1 ID : 43357624409
 Option 2 ID : 43357624410
 Option 3 ID : 43357624411
 Option 4 ID : 43357624412
 Status : Answered
 Chosen Option : A

Q.67 How are cookies typically stored on a client's device?

- Ans ☒ A. In a plain text file
☒ B. In a database
☒ C. In an encrypted format
☒ D. In the browser's cache

Question Type : MCQ
 Question ID : 4335766264
 Option 1 ID : 43357625053
 Option 2 ID : 43357625054
 Option 3 ID : 43357625055
 Option 4 ID : 43357625056
 Status : Answered
 Chosen Option : A

Q.68 Which of the following is not considered as a type of e-waste ?

- Ans ☒ A. Televisions
☒ B. Personal Electronic Devices
☒ C. Scanner and Copier
☒ D. Newspaper

Question Type : MCQ
 Question ID : 4335766009
 Option 1 ID : 43357624033
 Option 2 ID : 43357624034
 Option 3 ID : 43357624035
 Option 4 ID : 43357624036
 Status : Answered
 Chosen Option : B

Q.69 Who is known as the father of AI?

- Ans ☒ A. Fisher Ada
☒ B. Alan Turing
☒ C. John McCarthy
☒ D. Allen Newell

Question Type : MCQ
Question ID : 4335766354
Option 1 ID : 43357625413
Option 2 ID : 43357625414
Option 3 ID : 43357625415
Option 4 ID : 43357625416
Status : Answered
Chosen Option : C

Q.70 What are the three main types of DBMSs?

- Ans ☒ A. Relational DBMSs, hierarchical DBMSs, and network DBMSs.
☒ B. Relational DBMSs, object-oriented DBMSs, and NoSQL DBMSs.
☒ C. Hierarchical DBMSs, network DBMSs, and object-oriented DBMSs.
☒ D. NoSQL DBMSs, object-oriented DBMSs, and relational DBMSs.

Question Type : MCQ
Question ID : 4335766479
Option 1 ID : 43357625913
Option 2 ID : 43357625914
Option 3 ID : 43357625915
Option 4 ID : 43357625916
Status : Answered
Chosen Option : D

Q.71 In Python,.....module need to be imported for implementing Double Ended Queue.

- Ans ☒ A. counter
☒ B. collections
☒ C. random
☒ D. numpy

Question Type : MCQ
Question ID : 4335765990
Option 1 ID : 43357623957
Option 2 ID : 43357623958
Option 3 ID : 43357623959
Option 4 ID : 43357623960
Status : Answered
Chosen Option : B

Q.72 What is the value of the following expression?
 $3 + 3.00, 3^{**}3.0$

- Ans ☒ A. [6.0, 27.0]
☒ B. (6.0, 9.0)
☒ C. (6, 27)
☒ D. (6.0, 27.0)

Question Type : MCQ
 Question ID : 4335766450
 Option 1 ID : 43357625797
 Option 2 ID : 43357625798
 Option 3 ID : 43357625799
 Option 4 ID : 43357625800
 Status : Answered
 Chosen Option : A

Q.73 What is the primary goal of the Backtracking approach in solving the Hamiltonian Cycle problem?

- Ans ☒ A. To find a cycle with the fewest edges
☒ B. To find a cycle with the lowest weight
☒ C. To find a cycle that visits every vertex exactly once
☒ D. To find a cycle with the maximum number of edges

Question Type : MCQ
 Question ID : 4335766085
 Option 1 ID : 43357624337
 Option 2 ID : 43357624338
 Option 3 ID : 43357624339
 Option 4 ID : 43357624340
 Status : Answered
 Chosen Option : C

Q.74 Which statement is used to retrieve data from a database in SQL?

- Ans ☒ A. SELECT
☒ B. UPDATE
☒ C. DELETE
☒ D. INSERT

Question Type : MCQ
 Question ID : 4335766276
 Option 1 ID : 43357625101
 Option 2 ID : 43357625102
 Option 3 ID : 43357625103
 Option 4 ID : 43357625104
 Status : Answered
 Chosen Option : C

Q.75 The popular method of organizing wireless network topologies are?

- Ans ☒ A. Software
☒ B. Network
☒ C. Synchronization
☒ D. Cluster

Question Type : MCQ
 Question ID : 4335766348
 Option 1 ID : 43357625389
 Option 2 ID : 43357625390
 Option 3 ID : 43357625391
 Option 4 ID : 43357625392
 Status : Answered
 Chosen Option : B

Q.76 Musa's Basic Model is used for measuring:

- Ans ☒ A. Software complexity
☒ B. Software reliability
☒ C. Software performance
☒ D. Software size

Question Type : MCQ
 Question ID : 4335766221
 Option 1 ID : 43357624881
 Option 2 ID : 43357624882
 Option 3 ID : 43357624883
 Option 4 ID : 43357624884
 Status : Answered
 Chosen Option : B

Q.77 Which characteristics are taken together in chromaticity?

- Ans ☒ A. Hue and Saturation
☒ B. Hue and Brightness
☒ C. Saturation, Hue, and Brightness
☒ D. Saturation and Brightness

Question Type : MCQ
 Question ID : 4335766413
 Option 1 ID : 43357625649
 Option 2 ID : 43357625650
 Option 3 ID : 43357625651
 Option 4 ID : 43357625652
 Status : Answered
 Chosen Option : C

Q.78 Which of the following can be used to extract or filter the data & information from the data warehouse?

- Ans ☒ A. Data redundancy
☒ B. Data recovery tool
☒ C. Data mining
☒ D. Both B and C

Question Type : MCQ
 Question ID : 4335766158
 Option 1 ID : 43357624629
 Option 2 ID : 43357624630
 Option 3 ID : 43357624631
 Option 4 ID : 43357624632
 Status : Answered
 Chosen Option : D

Q.79 Which memory management technique uses fixed-sized blocks of memory, allowing processes to be loaded into any available block?

- Ans ☒ A. Paging
☒ B. Segmentation
☒ C. Virtual memory
☒ D. Relocation

Question Type : MCQ
 Question ID : 4335766134
 Option 1 ID : 43357624533
 Option 2 ID : 43357624534
 Option 3 ID : 43357624535
 Option 4 ID : 43357624536
 Status : Answered
 Chosen Option : B

Q.80 Which of the following is an extension to the basic model of Turing machine:

- Ans ☒ A. Multi tape Turing machine
☒ B. Multi head Turing machine
☒ C. Nondeterministic Turing machine
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766310
 Option 1 ID : 43357625237
 Option 2 ID : 43357625238
 Option 3 ID : 43357625239
 Option 4 ID : 43357625240
 Status : Answered
 Chosen Option : A

Q.81 AI is about

- Ans ☒ A. Playing games on Computer
- ☒ B. Making a machine intelligent
- ☒ C. putting human intelligence into computer
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335766353
Option 1 ID : 43357625409
Option 2 ID : 43357625410
Option 3 ID : 43357625411
Option 4 ID : 43357625412
Status : Answered
Chosen Option : D

Q.82 Assertion (A) and Reason (R) based questions. Mark the correct choice as:

Assertion (A) : Every object in Python is assigned a unique identity (ID).

Reason (R) : ID remains the same for the lifetime of that object.

- Ans ☒ A. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of the Assertion (A).
- ☒ B. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the 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 : 4335766463
Option 1 ID : 43357625849
Option 2 ID : 43357625850
Option 3 ID : 43357625851
Option 4 ID : 43357625852
Status : Answered
Chosen Option : B

Q.83 What is the primary purpose of Software Requirements Specification (SRS) documents?

- Ans ☒ A. To list the programming languages used
- ☒ B. To describe the user interface design
- ☒ C. To define the software's functional and non-functional requirements
- ☒ D. To specify the hardware components required

Question Type : MCQ
Question ID : 4335766203
Option 1 ID : 43357624809
Option 2 ID : 43357624810
Option 3 ID : 43357624811
Option 4 ID : 43357624812
Status : Answered
Chosen Option : A

Q.84 In BFS, vertices are explored level by level, starting from the:

- Ans ☒ A. Deepest level
☒ B. Shallowest level
☒ C. Middle level
☒ D. Highest degree vertex

Question Type : MCQ
 Question ID : 4335766102
 Option 1 ID : 43357624405
 Option 2 ID : 43357624406
 Option 3 ID : 43357624407
 Option 4 ID : 43357624408
 Status : Answered
 Chosen Option : B

Q.85 Let the word be "automata". The total number of states required to recognize the word using DFA would be _____

- Ans ☒ A. 9 states
☒ B. 8 states
☒ C. 10 states
☒ D. word cannot be recognized using DFA

Question Type : MCQ
 Question ID : 4335766291
 Option 1 ID : 43357625161
 Option 2 ID : 43357625162
 Option 3 ID : 43357625163
 Option 4 ID : 43357625164
 Status : Answered
 Chosen Option : B

Q.86 In MYSQL, which type of value should not be enclosed within quotation marks ?

- Ans ☒ A. DATE
☒ B. VARCHAR
☒ C. FLOAT
☒ D. CHAR

Question Type : MCQ
 Question ID : 4335766444
 Option 1 ID : 43357625773
 Option 2 ID : 43357625774
 Option 3 ID : 43357625775
 Option 4 ID : 43357625776
 Status : Answered
 Chosen Option : A

Q.87 EBCDIC is mainly used in which type of computer systems?

- Ans ☒ A. Mainframe computers
☒ B. Personal computers
☒ C. Supercomputers
☒ D. Mobile devices

Question Type : MCQ
 Question ID : 4335766045
 Option 1 ID : 43357624177
 Option 2 ID : 43357624178
 Option 3 ID : 43357624179
 Option 4 ID : 43357624180
 Status : Answered
 Chosen Option : A

Q.88 ZigBee architecture has _____ layers?

- Ans ☒ A. 4
☒ B. 5
☒ C. 6
☒ D. 7

Question Type : MCQ
 Question ID : 4335766339
 Option 1 ID : 43357625353
 Option 2 ID : 43357625354
 Option 3 ID : 43357625355
 Option 4 ID : 43357625356
 Status : Answered
 Chosen Option : B

Q.89 What is the purpose of error control in the Data Link Layer?

- Ans ☒ A. To prevent unauthorized access
☒ B. To correct errors in the physical layer
☒ C. To ensure reliable data transmission
☒ D. To manage network congestion

Question Type : MCQ
 Question ID : 4335766184
 Option 1 ID : 43357624733
 Option 2 ID : 43357624734
 Option 3 ID : 43357624735
 Option 4 ID : 43357624736
 Status : Answered
 Chosen Option : B

Q.90 Which of the following devices is essential to set up a wired LAN?

- Ans ☒ A. Modem
☒ B. NIC
☒ C. Repeater
☒ D. Firewall

Question Type : MCQ
 Question ID : 4335766460
 Option 1 ID : 43357625837
 Option 2 ID : 43357625838
 Option 3 ID : 43357625839
 Option 4 ID : 43357625840
 Status : Answered
 Chosen Option : D

Q.91 Convert the Boolean function $F(A, B, C) = \Sigma(0, 1, 3, 5)$ to its simplified SOP form.

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

Question Type : MCQ
 Question ID : 4335766046
 Option 1 ID : 43357624181
 Option 2 ID : 43357624182
 Option 3 ID : 43357624183
 Option 4 ID : 43357624184
 Status : Answered
 Chosen Option : A

Q.92 The main advantage of the overlay technique in memory management is that it allows:

- Ans ☒ A. Processes to be loaded into memory as a whole
☒ B. Processes to share memory partitions
☒ C. Large programs to be executed on systems with limited memory
☒ D. Processes to communicate directly with each other

Question Type : MCQ
 Question ID : 4335766133
 Option 1 ID : 43357624529
 Option 2 ID : 43357624530
 Option 3 ID : 43357624531
 Option 4 ID : 43357624532
 Status : Answered
 Chosen Option : C

Q.93 Process-to-process communication involves communication between:

- Ans ☒ A. Different network layers
☒ B. Different devices on the same network
☒ C. Devices using different protocols
☒ D. Processes on different devices

Question Type : MCQ
 Question ID : 4335766193
 Option 1 ID : 43357624769
 Option 2 ID : 43357624770
 Option 3 ID : 43357624771
 Option 4 ID : 43357624772
 Status : Answered
 Chosen Option : B

Q.94 Which algorithm can be optimized to meet the timing deadlines and rate requirements of continuous media?

- Ans ☒ A. Earliest-Deadline-First scheduling
☒ B. SCAN-EDF scheduling
☒ C. Both Earliest-Deadline-First scheduling & SCAN-EDF scheduling
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766400
 Option 1 ID : 43357625597
 Option 2 ID : 43357625598
 Option 3 ID : 43357625599
 Option 4 ID : 43357625600
 Status : Answered
 Chosen Option : C

Q.95 A socket is used for:

- Ans ☒ A. Physical data transmission
☒ B. Process-to-process communication
☒ C. Storing network protocols
☒ D. Network management

Question Type : MCQ
 Question ID : 4335766189
 Option 1 ID : 43357624753
 Option 2 ID : 43357624754
 Option 3 ID : 43357624755
 Option 4 ID : 43357624756
 Status : Answered
 Chosen Option : A

Q.96 Which one is not an encryption Technique?

- Ans ☒ A. AES
☒ B. DES
☒ C. RSA
☒ D. FTP

Question Type : MCQ
 Question ID : 4335766391
 Option 1 ID : 43357625561
 Option 2 ID : 43357625562
 Option 3 ID : 43357625563
 Option 4 ID : 43357625564
 Status : Answered
 Chosen Option : B

Q.97 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) : It becomes difficult to update and maintain a website's design using CSS. Reason (R) : CSS allows web developers to separate the presentation layer (styles and layout) from the content layer (HTML).

- 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 : 4335766476
 Option 1 ID : 43357625901
 Option 2 ID : 43357625902
 Option 3 ID : 43357625903
 Option 4 ID : 43357625904
 Status : Answered
 Chosen Option : C

Q.98 How many inputs does a full -adder circuit have for each individual binary digit being added or subtracted?

- Ans ☒ A. 1 input
☒ B. 2 inputs
☒ C. 3 inputs
☒ D. 4 inputs

Question Type : MCQ
 Question ID : 4335766032
 Option 1 ID : 43357624125
 Option 2 ID : 43357624126
 Option 3 ID : 43357624127
 Option 4 ID : 43357624128
 Status : Answered
 Chosen Option : B

Q.99 In which year did Intel release the first x86 microprocessor, the 8086, which laid the foundation for the x86 architecture widely used in personal computers?

Ans ☒ A. 1971

☒ B. 1981

☒ C. 1986

☒ D. 1991

Question Type : MCQ

Question ID : 4335766056

Option 1 ID : 43357624221

Option 2 ID : 43357624222

Option 3 ID : 43357624223

Option 4 ID : 43357624224

Status : Answered

Chosen Option : B

Q.10 A threaded binary tree is a binary tree in which:
0

Ans ☒ A. Each node has two children

☒ B. Each node has at most one child

☒ C. Each node is connected to its parent

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

Question Type : MCQ

Question ID : 4335766098

Option 1 ID : 43357624389

Option 2 ID : 43357624390

Option 3 ID : 43357624391

Option 4 ID : 43357624392

Status : Answered

Chosen Option : A

Section : Part II

Q.10 Affective domain focuses on adoption of a value system as a part of life style in
1

Ans ☒ A. Responding

☒ B. Valuing

☒ C. Organization

☒ D. Characterization

Question Type : MCQ

Question ID : 4335763552

Option 1 ID : 43357614205

Option 2 ID : 43357614206

Option 3 ID : 43357614207

Option 4 ID : 43357614208

Status : Answered

Chosen Option : C

Q.10 "Society determines the roles of male and female." This statement articulates-
2

- Ans ☒ A. Gender as an inherent construct
☒ B. Gender as a hereditary endowment
☒ C. Gender as an intuitive construct
☒ D. Gender as a social construct

Question Type : MCQ
 Question ID : 4335763943
 Option 1 ID : 43357615769
 Option 2 ID : 43357615770
 Option 3 ID : 43357615771
 Option 4 ID : 43357615772
 Status : Answered
 Chosen Option : B

Q.10 The affective domain was classified by
3

- Ans ☒ A. Benjamin S. Bloom
☒ B. Simpson
☒ C. Krathwhol
☒ D. Both A and C

Question Type : MCQ
 Question ID : 4335763544
 Option 1 ID : 43357614173
 Option 2 ID : 43357614174
 Option 3 ID : 43357614175
 Option 4 ID : 43357614176
 Status : Answered
 Chosen Option : B

Q.10 A teacher should employ classroom management strategies which focus on:
4

- Ans ☒ A. controlling the class through rigid rules
☒ B. expecting same behaviour from all children
☒ C. making students abide to all rules without questioning
☒ D. giving ample opportunities for self reflection

Question Type : MCQ
 Question ID : 4335763853
 Option 1 ID : 43357615409
 Option 2 ID : 43357615410
 Option 3 ID : 43357615411
 Option 4 ID : 43357615412
 Status : Answered
 Chosen Option : B

Q.10 Which domain of learning objectives is not being evaluated through our present system
5 of examination:

- Ans ☒ A. Affective
☒ B. Cognitive
☒ C. Psychomotor
☒ D. None of these

Question Type : MCQ
Question ID : 4335764182
Option 1 ID : 43357616725
Option 2 ID : 43357616726
Option 3 ID : 43357616727
Option 4 ID : 43357616728
Status : Answered
Chosen Option : A

Q.10 Individualized Education Programme is planned from the perspective of-
6

- Ans ☒ A. Special Education Programme
☒ B. Child-centered Education Programme
☒ C. Open School Education Programme
☒ D. e-Learning Education Programme

Question Type : MCQ
Question ID : 4335763939
Option 1 ID : 43357615753
Option 2 ID : 43357615754
Option 3 ID : 43357615755
Option 4 ID : 43357615756
Status : Answered
Chosen Option : B

Q.10 For the change in the behaviour of the children, the most effective method is
7

- Ans ☒ A. affectionate advice
☒ B. reward
☒ C. punishment
☒ D. expulsion from house

Question Type : MCQ
Question ID : 4335764049
Option 1 ID : 43357616193
Option 2 ID : 43357616194
Option 3 ID : 43357616195
Option 4 ID : 43357616196
Status : Answered
Chosen Option : A

Q.10 Which educational psychologist believed in the fact that 'All children have the potential to learn'?

- Ans ☒ A. Friedrich Frobel
☒ B. John Dewey
☒ C. Johann Friedrich Herbart
☒ D. Maria Montessori

Question Type : MCQ
 Question ID : 4335764307
 Option 1 ID : 43357617225
 Option 2 ID : 43357617226
 Option 3 ID : 43357617227
 Option 4 ID : 43357617228
 Status : Answered
 Chosen Option : B

Q.10 The drawback of micro teaching is –

- Ans ☒ A. Not successful in real classroom conditions
☒ B. Lack of supervision is found
☒ C. No room for feedback
☒ D. Longer duration of study

Question Type : MCQ
 Question ID : 4335763775
 Option 1 ID : 43357615097
 Option 2 ID : 43357615098
 Option 3 ID : 43357615099
 Option 4 ID : 43357615100
 Status : Answered
 Chosen Option : B

Q.11 Which of the following is more important for keeping the good mental health of students?

- Ans ☒ A. Provision for curricula activities
☒ B. Freedom of expression
☒ C. Variety of interests
☒ D. Teacher's role and school environment

Question Type : MCQ
 Question ID : 4335763874
 Option 1 ID : 43357615493
 Option 2 ID : 43357615494
 Option 3 ID : 43357615495
 Option 4 ID : 43357615496
 Status : Answered
 Chosen Option : A

Q.11 When a teacher should present a video clip in the class?

1

- Ans ☐ A. During explaining the content
☒ B. After explaining the content
☐ C. Before explaining the content
☐ D. None of these

Question Type : MCQ
 Question ID : 4335764028
 Option 1 ID : 43357616109
 Option 2 ID : 43357616110
 Option 3 ID : 43357616111
 Option 4 ID : 43357616112
 Status : Answered
 Chosen Option : A

Q.11 Component of curriculum is:

2

- Ans ☐ A. Teaching strategies
☐ B. Objectives
☐ C. Evaluation
☒ D. All of these

Question Type : MCQ
 Question ID : 4335764166
 Option 1 ID : 43357616661
 Option 2 ID : 43357616662
 Option 3 ID : 43357616663
 Option 4 ID : 43357616664
 Status : Answered
 Chosen Option : A

Q.11 The basic requirement of teaching efficiency is-

3

- Ans ☐ A. Mastery on teaching skills
☐ B. Mastery over use of different techniques of teaching.
☐ C. Mastery over appropriate use of media and technology in teaching.
☒ D. All the above

Question Type : MCQ
 Question ID : 4335763472
 Option 1 ID : 43357613885
 Option 2 ID : 43357613886
 Option 3 ID : 43357613887
 Option 4 ID : 43357613888
 Status : Answered
 Chosen Option : D

Q.11 Which of the following activity is considered in the post-active phase of teaching?
4

- Ans ☒ A. distribution of teaching strategies
- ☒ B. changing the strategies in terms of evidences gathered
- ☒ C. diagnosis of the learners
- ☒ D. sequencing the elements of content for presentation

Question Type : MCQ
Question ID : 4335763413
Option 1 ID : 43357613649
Option 2 ID : 43357613650
Option 3 ID : 43357613651
Option 4 ID : 43357613652
Status : Answered
Chosen Option : B

Q.11 An appropriate verb for an objective written to reflect assessment in the psychomotor
5 domain of learning would be:

- Ans ☒ A. Acknowledge
- ☒ B. Explain
- ☒ C. Relates
- ☒ D. Assembles

Question Type : MCQ
Question ID : 4335763517
Option 1 ID : 43357614065
Option 2 ID : 43357614066
Option 3 ID : 43357614067
Option 4 ID : 43357614068
Status : Answered
Chosen Option : B

Q.11 One of the critiques of standardized tests has been that-
6

- Ans ☒ A. they represent largely the mainstream culture and are therefore biased
- ☒ B. their language is difficult to understand
- ☒ C. the tests cannot be administered on large populations
- ☒ D. they do not give a clear picture of a child's ability

Question Type : MCQ
Question ID : 4335763919
Option 1 ID : 43357615673
Option 2 ID : 43357615674
Option 3 ID : 43357615675
Option 4 ID : 43357615676
Status : Answered
Chosen Option : A

Q.11 All except ----- are major components of classroom process.
7

- Ans ☒ A. Evaluating teacher's performance
☒ B. Assessment of student's learning
☒ C. Expected learning outcomes
☒ D. Classroom transaction

Question Type : MCQ
 Question ID : 4335764274
 Option 1 ID : 43357617093
 Option 2 ID : 43357617094
 Option 3 ID : 43357617095
 Option 4 ID : 43357617096
 Status : Answered
 Chosen Option : C

Q.11 The evaluation used to improve the contents during curriculum development is:
8

- Ans ☒ A. Summative evaluation
☒ B. Formative evaluation
☒ C. Diagnostic evaluation
☒ D. None of these

Question Type : MCQ
 Question ID : 4335764206
 Option 1 ID : 43357616821
 Option 2 ID : 43357616822
 Option 3 ID : 43357616823
 Option 4 ID : 43357616824
 Status : Answered
 Chosen Option : B

Q.11 Who developed inductive approach in science teaching?
9

- Ans ☒ A. Aristotle
☒ B. Bruner
☒ C. Gagne
☒ D. Francis Bacon

Question Type : MCQ
 Question ID : 4335763581
 Option 1 ID : 43357614321
 Option 2 ID : 43357614322
 Option 3 ID : 43357614323
 Option 4 ID : 43357614324
 Status : Answered
 Chosen Option : D

Q.12 As a planner, the teacher must
0

- Ans ☒ A. encourage classroom and panel discussion
☒ B. be guidance minded
☒ C. first decide what changes should take place in the learner
☒ D. observe students' reactions skillfully

Question Type : MCQ
Question ID : 4335763671
Option 1 ID : 43357614681
Option 2 ID : 43357614682
Option 3 ID : 43357614683
Option 4 ID : 43357614684
Status : Answered
Chosen Option : C

Q.12 The Socratic method is known as
1

- Ans ☒ A. Lecture demonstration method
☒ B. Discussion method
☒ C. Inquiry method
☒ D. Question- Answer method

Question Type : MCQ
Question ID : 4335763658
Option 1 ID : 43357614629
Option 2 ID : 43357614630
Option 3 ID : 43357614631
Option 4 ID : 43357614632
Status : Answered
Chosen Option : A

Q.12 An outline-of the topics of a subject which covered in specific time is called:
2

- Ans ☒ A. Programme
☒ B. Syllabus
☒ C. Curriculum
☒ D. Course

Question Type : MCQ
Question ID : 4335764176
Option 1 ID : 43357616701
Option 2 ID : 43357616702
Option 3 ID : 43357616703
Option 4 ID : 43357616704
Status : Answered
Chosen Option : B

Q.12 As a facilitator, the teacher must be
3

- Ans ☒ A. dominating
☒ B. short-tempered
☒ C. autocratic
☒ D. warm, understanding and self-controlling

Question Type : MCQ
Question ID : 4335763964
Option 1 ID : 43357615853
Option 2 ID : 43357615854
Option 3 ID : 43357615855
Option 4 ID : 43357615856
Status : Answered
Chosen Option : D

Q.12 Delivering lectures about key concepts that lead to student discussions is an example
4 of

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

Question Type : MCQ
Question ID : 4335763728
Option 1 ID : 43357614909
Option 2 ID : 43357614910
Option 3 ID : 43357614911
Option 4 ID : 43357614912
Status : Answered
Chosen Option : B

Q.12 The hypothesis underlying team teaching is
5

- Ans ☒ A. Teachers feel bore while working alone
☒ B. Teachers are not competent
☒ C. The best teachers in schools are shared by more students
☒ D. The single teacher cannot control the class

Question Type : MCQ
Question ID : 4335763805
Option 1 ID : 43357615217
Option 2 ID : 43357615218
Option 3 ID : 43357615219
Option 4 ID : 43357615220
Status : Answered
Chosen Option : C

Q.12 At the highest level of hierarchy is
6

- Ans ☒ A. Understanding
☒ B. Application
☒ C. Evaluation
☒ D. Analysis

Question Type : MCQ
Question ID : 4335763522
Option 1 ID : 43357614085
Option 2 ID : 43357614086
Option 3 ID : 43357614087
Option 4 ID : 43357614088
Status : Answered
Chosen Option : A

Q.12 In Piaget's theory of cognitive development, the form of reasoning at one stage
7 becomes the _____ at the next stage:

- Ans ☒ A. content.
☒ B. structure.
☒ C. process.
☒ D. dialectical opposite

Question Type : MCQ
Question ID : 4335763793
Option 1 ID : 43357615169
Option 2 ID : 43357615170
Option 3 ID : 43357615171
Option 4 ID : 43357615172
Status : Answered
Chosen Option : B

Q.12 The best method to inspire students for hard labour is
8

- Ans ☒ A. one should himself do hard labour seeing which students will be inspired spontaneously
☒ B. laborious students should be rewarded
☒ C. a lecture about the importance of hard labour be delivered
☒ D. the example of success through hard labour be presented

Question Type : MCQ
Question ID : 4335764046
Option 1 ID : 43357616181
Option 2 ID : 43357616182
Option 3 ID : 43357616183
Option 4 ID : 43357616184
Status : Answered
Chosen Option : D

Q.12 What is the best way for a teacher to resolve the problems in a class?

9

- Ans ☒ A. Ask for other teacher's opinion
- ☒ B. Depends on one's own opinion
- ☒ C. Think on suggestions offered by the children and implement the good ones
- ☒ D. Use the view that Principal gives

Question Type : MCQ
Question ID : 4335764295
Option 1 ID : 43357617177
Option 2 ID : 43357617178
Option 3 ID : 43357617179
Option 4 ID : 43357617180
Status : Answered
Chosen Option : C

Q.13 Which of the following would you use to shape the habits?

0

- Ans ☒ A. Indoctrination
- ☒ B. Teaching
- ☒ C. Training
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335763433
Option 1 ID : 43357613729
Option 2 ID : 43357613730
Option 3 ID : 43357613731
Option 4 ID : 43357613732
Status : Answered
Chosen Option : C

Section : Part III

Q.13 With reference to Indian history, consider the following statements :

- 1 1.The first Mongol invasion of India happened during the reign of Jalal-ud-din Khalji.
- 2.During the reign of Ala-ud-din Khalji, one Mongol assault marched up to Delhi and besieged the city.
3. Mubammad-bin-Tughlaq temporarily lost portions of north-west of his kingdom to Mongols

Which of the statements given above is/are correct?

- Ans ☒ A. 1 and 2
- ☒ B. 2 only
- ☒ C. 1 and 3
- ☒ D. 3 only

Question Type : MCQ
Question ID : 4335764351
Option 1 ID : 43357617401
Option 2 ID : 43357617402
Option 3 ID : 43357617403
Option 4 ID : 43357617404
Status : Answered
Chosen Option : C

Q.13 Which of the following is not prism?

2

Ans ☒ A. cuboid

☒ B. circle

☒ C. Pentagonal Prism

☒ D. cube

Question Type : MCQ

Question ID : 4335764679

Option 1 ID : 43357618713

Option 2 ID : 43357618714

Option 3 ID : 43357618715

Option 4 ID : 43357618716

Status : Answered

Chosen Option : C

Q.13 Which of the following statements with reference to Surface inversion of temperature

3 is/are correct ?

1. It causes instability in the lower layers of the atmosphere.

2. This inversion commonly lasts for a few hours until the Sun comes up.

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 : 4335764377

Option 1 ID : 43357617505

Option 2 ID : 43357617506

Option 3 ID : 43357617507

Option 4 ID : 43357617508

Status : Answered

Chosen Option : B

Q.13 Painting to a boy, Neha said " He is the son of the only child of my Grand father. How is

4 the boy related to Neha?

Ans ☒ A. Brother

☒ B. Cousin

☒ C. Uncle

☒ D. Son in law

Question Type : MCQ

Question ID : 4335764894

Option 1 ID : 43357619573

Option 2 ID : 43357619574

Option 3 ID : 43357619575

Option 4 ID : 43357619576

Status : Answered

Chosen Option : A

Q.13 Asia's first underground Hydel Project is located in which of the following States in India?

- Ans ☒ A. Jammu and Kashmir
☒ B. Himachal Pradesh
☒ C. Arunachal Pradesh
☒ D. Uttar Pradesh

Question Type : MCQ
 Question ID : 4335764622
 Option 1 ID : 43357618485
 Option 2 ID : 43357618486
 Option 3 ID : 43357618487
 Option 4 ID : 43357618488
 Status : Answered
 Chosen Option : A

Q.13 What is the national animal of America ?

- Ans ☒ A. Tiger and Bald Eagle
☒ B. Bald Eagle and the American Bison
☒ C. American Bison and Yak
☒ D. Golden eagle and Bison

Question Type : MCQ
 Question ID : 4335764526
 Option 1 ID : 43357618101
 Option 2 ID : 43357618102
 Option 3 ID : 43357618103
 Option 4 ID : 43357618104
 Status : Answered
 Chosen Option : C

Q.13 Special Economic Zones (SEZ) are developed to

- Ans ☒ A. Generate additional economic activity throughout the country
☒ B. Beautify suburban areas
☒ C. Upgrade the facilities in the countryside
☒ D. Promote investment from domestic and foreign sources

Question Type : MCQ
 Question ID : 4335764492
 Option 1 ID : 43357617965
 Option 2 ID : 43357617966
 Option 3 ID : 43357617967
 Option 4 ID : 43357617968
 Status : Answered
 Chosen Option : B

Q.13 _____ is the ability to do work.
8

Ans ☒ A. energy

☐ B. force

☐ C. energy and force both

☐ D. none of these

Question Type : MCQ

Question ID : 4335764543

Option 1 ID : 43357618169

Option 2 ID : 43357618170

Option 3 ID : 43357618171

Option 4 ID : 43357618172

Status : Answered

Chosen Option : C

Q.13 Where is the old and over 2 km-long 'Pamban Railway Bridge', which attracts tourists
9 from all over the country?

Ans ☐ A. Nilgiri

☐ B. Krishna delta

☒ C. Palk straits

☐ D. Malabar coast

Question Type : MCQ

Question ID : 4335764630

Option 1 ID : 43357618517

Option 2 ID : 43357618518

Option 3 ID : 43357618519

Option 4 ID : 43357618520

Status : Answered

Chosen Option : A

Q.14 What is a common effect of inflation on purchasing power?
0

Ans ☐ A. Increase in purchasing power

☒ B. Decrease in purchasing power

☐ C. No effect on purchasing power

☐ D. Increase in savings

Question Type : MCQ

Question ID : 4335764422

Option 1 ID : 43357617685

Option 2 ID : 43357617686

Option 3 ID : 43357617687

Option 4 ID : 43357617688

Status : Answered

Chosen Option : A

Q.14 Choose the correct option instead of the question mark in the given question.

1

Mango : Fruit :: Onion : ?

- Ans ☒ A. Root
☒ B. Fruit
☒ C. Flower
☒ D. Stem

Question Type : MCQ
 Question ID : 4335764829
 Option 1 ID : 43357619313
 Option 2 ID : 43357619314
 Option 3 ID : 43357619315
 Option 4 ID : 43357619316
 Status : Answered
 Chosen Option : C

Q.14 In the given number series what number will come in place of the Question Mark

2 Symbol.

340, 316, 286, 250, ?

- Ans ☒ A. 280
☒ B. 249
☒ C. 208
☒ D. 148

Question Type : MCQ
 Question ID : 4335764855
 Option 1 ID : 43357619417
 Option 2 ID : 43357619418
 Option 3 ID : 43357619419
 Option 4 ID : 43357619420
 Status : Answered
 Chosen Option : A

Q.14 What did Gandhi do to break the salt law?

3

- Ans ☒ A. Dandi March
☒ B. Ahmedabad March
☒ C. Champaran March
☒ D. All

Question Type : MCQ
 Question ID : 4335764594
 Option 1 ID : 43357618373
 Option 2 ID : 43357618374
 Option 3 ID : 43357618375
 Option 4 ID : 43357618376
 Status : Answered
 Chosen Option : C

Q.14 If in a certain code, 'ABCD' is written as 24 and 'EFGH' is written as 1680, then how is
4 'IJKL' written in that code?

Ans ☒ A. 11880

☒ B. 11240

☒ C. 7920

☒ D. 5940

Question Type : MCQ

Question ID : 4335764820

Option 1 ID : 43357619277

Option 2 ID : 43357619278

Option 3 ID : 43357619279

Option 4 ID : 43357619280

Status : Answered

Chosen Option : B

Q.14 What is the remainder when 2765 is divided by 6?
5

Ans ☒ A. 5

☒ B. 6

☒ C. 4

☒ D. 3

Question Type : MCQ

Question ID : 4335764709

Option 1 ID : 43357618833

Option 2 ID : 43357618834

Option 3 ID : 43357618835

Option 4 ID : 43357618836

Status : Answered

Chosen Option : A

Q.14 The number of vertices (V) , edges (E) and faces (F) of a polyhedron are respectively
6 10,15 and x. Then, the value of $(3x-12)$ is :

Ans ☒ A. 9

☒ B. 14

☒ C. 18

☒ D. 7

Question Type : MCQ

Question ID : 4335764773

Option 1 ID : 43357619089

Option 2 ID : 43357619090

Option 3 ID : 43357619091

Option 4 ID : 43357619092

Status : Answered

Chosen Option : B

Q.14 What are triangular numbers?

7

- Ans ☒ A. The numbers whose dot pattern can be arranged in triangles
- ☒ B. The numbers which form a triangle on adding
- ☒ C. The numbers which have three digits
- ☒ D. The numbers which do not give perfect squares on adding

Question Type : MCQ
Question ID : 4335764749
Option 1 ID : 43357618993
Option 2 ID : 43357618994
Option 3 ID : 43357618995
Option 4 ID : 43357618996
Status : Answered
Chosen Option : A

Q.14 Choose the correct option to fill in the blank.

8 The Vernacular Press Act was passed in.....on the lines of the Irish Press Act.

- Ans ☒ A. 1878
- ☒ B. 1968
- ☒ C. 1887
- ☒ D. 1778

Question Type : MCQ
Question ID : 4335764458
Option 1 ID : 43357617829
Option 2 ID : 43357617830
Option 3 ID : 43357617831
Option 4 ID : 43357617832
Status : Answered
Chosen Option : B

Q.14 6 Person are sitting in two rows, numbered 3-3. If E does not sit at any of the ends. Dis

9 second to the left of F. C is neighbour of E and sits diagonally opposite to D. B is neighbour of F. Then Tell who will be in front of B ?

- Ans ☒ A. A
- ☒ B. E
- ☒ C. C
- ☒ D. D

Question Type : MCQ
Question ID : 4335764936
Option 1 ID : 43357619741
Option 2 ID : 43357619742
Option 3 ID : 43357619743
Option 4 ID : 43357619744
Status : Answered
Chosen Option : B

Q.15 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
B, C, E, H, L, ?

Ans ☒ A. P
☒ B. O
☒ C. N
☒ D. Q

Question Type : MCQ
Question ID : 4335764974
Option 1 ID : 43357619893
Option 2 ID : 43357619894
Option 3 ID : 43357619895
Option 4 ID : 43357619896
Status : Answered
Chosen Option : B

