

BSTET

(Class 11-12)

Previous Year Paper
(Computer Science)
07 Nov, 2025 Shift 1

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Exam Name	STET Exam 2025
Paper	Paper II
Roll No	
Participant Name	
Test Center Name	
Test Date	07/11/2025
Test Time	9:00 AM - 11:30 AM

Section : Part I Computer Science(226)

Q.1 If a robot is able to change its own trajectory as per the external conditions, then the robot is considered as the_

- Ans ☒ A. Intelligent
☒ B. Open loop
☒ C. Mobile
☒ D. Non-servo

Question Type : MCQ
 Question ID : 4335766356
 Option 1 ID : 43357625421
 Option 2 ID : 43357625422
 Option 3 ID : 43357625423
 Option 4 ID : 43357625424
 Status : Answered
 Chosen Option : A

Q.2 Convert the Boolean function $F(A, B, C) = \prod(0, 2, 4, 5, 7)$ to its simplified POS form

- Ans ☒ A. $A + B + C$
☒ B. $A + B' + C$
☒ C. $A'B'C'$
☒ D. $(A + B)(A + C')(B + C)$

Question Type : MCQ
 Question ID : 4335766040
 Option 1 ID : 43357624157
 Option 2 ID : 43357624158
 Option 3 ID : 43357624159
 Option 4 ID : 43357624160
 Status : Answered
 Chosen Option : D

Q.3 Which keyword is used to define an abstract method within an abstract class?

- Ans ☒ A. abstract
- ☐ B. virtual
- ☐ C. override
- ☐ D. implement

Question Type : MCQ
 Question ID : 4335766235
 Option 1 ID : 43357624937
 Option 2 ID : 43357624938
 Option 3 ID : 43357624939
 Option 4 ID : 43357624940
 Status : Answered
 Chosen Option : A

Q.4 The Floyd-Warshall algorithm is a popular method for solving the All-Pair Shortest Paths problem. What is the time complexity of the Floyd-Warshall algorithm for a graph with "n" vertices?

- Ans ☐ A. $O(n)$
- ☐ B. $O(n \log n)$
- ☐ C. $O(n^2)$
- ☒ D. $O(n^3)$

Question Type : MCQ
 Question ID : 4335766089
 Option 1 ID : 43357624353
 Option 2 ID : 43357624354
 Option 3 ID : 43357624355
 Option 4 ID : 43357624356
 Status : Answered
 Chosen Option : C

Q.5 Which of the following applications include in the Strategic Computing Program?

- Ans ☐ A. Battle Management
- ☐ B. Autonomous systems
- ☐ C. Pilot's associate
- ☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766376
 Option 1 ID : 43357625501
 Option 2 ID : 43357625502
 Option 3 ID : 43357625503
 Option 4 ID : 43357625504
 Status : Answered
 Chosen Option : D

Q.6 Turing machine can be represented using:

- Ans ☒ A. Transition table
☒ B. Transition diagram
☒ C. Instantaneous description
☒ D. All of these

Question Type : MCQ
 Question ID : 4335766317
 Option 1 ID : 43357625265
 Option 2 ID : 43357625266
 Option 3 ID : 43357625267
 Option 4 ID : 43357625268
 Status : Answered
 Chosen Option : D

Q.7 All of the following are considered biometrics, except:

- Ans ☒ A. Fingerprint
☒ B. Password
☒ C. Voice
☒ D. Retina

Question Type : MCQ
 Question ID : 4335766398
 Option 1 ID : 43357625589
 Option 2 ID : 43357625590
 Option 3 ID : 43357625591
 Option 4 ID : 43357625592
 Status : Answered
 Chosen Option : B

Q.8 To which of the following the term "DBA" referred?

- Ans ☒ A. Data Bank Administrator
☒ B. Database Administrator
☒ C. Data Administrator
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766160
 Option 1 ID : 43357624637
 Option 2 ID : 43357624638
 Option 3 ID : 43357624639
 Option 4 ID : 43357624640
 Status : Answered
 Chosen Option : B

Q.9 The default baud rate of Modbus RTU is?

- Ans ☒ A. 19600
☒ B. 19200
☒ C. 38400
☒ D. 57600

Question Type : MCQ
 Question ID : 4335766343
 Option 1 ID : 43357625369
 Option 2 ID : 43357625370
 Option 3 ID : 43357625371
 Option 4 ID : 43357625372
 Status : Answered
 Chosen Option : A

Q.10 The goal of synchronization mechanisms in parallel programming is to:

- Ans ☒ A. Speed up the execution of processes
☒ B. Eliminate parallelism
☒ C. Avoid deadlock situations
☒ D. Increase the number of race conditions

Question Type : MCQ
 Question ID : 4335766143
 Option 1 ID : 43357624569
 Option 2 ID : 43357624570
 Option 3 ID : 43357624571
 Option 4 ID : 43357624572
 Status : Answered
 Chosen Option : A

Q.11 Which of the following IP addresses is valid

- Ans ☒ A. 122.94.96.212
☒ B. 212.254.258.210
☒ C. 210.10.12.156.209
☒ D. 122.294.56.68

Question Type : MCQ
 Question ID : 4335768732
 Option 1 ID : 43357634925
 Option 2 ID : 43357634926
 Option 3 ID : 43357634927
 Option 4 ID : 43357634928
 Status : Answered
 Chosen Option : A

Q.12 _____ plot is used to show the spread and centers of a dataset.

Ans ☒ A. box

☐ B. line

☐ C. bar

☐ D. histogram

Question Type : MCQ

Question ID : 4335766003

Option 1 ID : 43357624009

Option 2 ID : 43357624010

Option 3 ID : 43357624011

Option 4 ID : 43357624012

Status : Answered

Chosen Option : D

Q.13 How can you establish a connection between PHP and MySQL?

Ans ☐ A. Using the "connect()" function in PHP

☐ B. By including a PHP library

☐ C. By embedding MySQL queries directly in PHP code

☒ D. By using the "mysqli_connect()" function in PHP

Question Type : MCQ

Question ID : 4335766278

Option 1 ID : 43357625109

Option 2 ID : 43357625110

Option 3 ID : 43357625111

Option 4 ID : 43357625112

Status : Answered

Chosen Option : D

Q.14 Which one is not a physical threat

Ans ☒ A. Hacking

☐ B. Storm

☐ C. Fire

☐ D. Flood

Question Type : MCQ

Question ID : 4335766390

Option 1 ID : 43357625557

Option 2 ID : 43357625558

Option 3 ID : 43357625559

Option 4 ID : 43357625560

Status : Answered

Chosen Option : A

Q.15 The SQL keyword.....is used with wildcards.

- Ans ☒ A. LIKE
☐ B. IN
☐ C. NOT IN
☐ D. DISTINCT

Question Type : MCQ
Question ID : 4335765999
Option 1 ID : 43357623993
Option 2 ID : 43357623994
Option 3 ID : 43357623995
Option 4 ID : 43357623996
Status : Answered
Chosen Option : A

Q.16 What is the key advantage of using a carry-lookahead adder instead of a ripple-carry adder?

- Ans ☐ A. Simplicity of design
☒ B. Faster propagation delay
☐ C. Lower power consumption
☐ D. Reduced gate count

Question Type : MCQ
Question ID : 4335766039
Option 1 ID : 43357624153
Option 2 ID : 43357624154
Option 3 ID : 43357624155
Option 4 ID : 43357624156
Status : Answered
Chosen Option : B

Q.17 What is the difference between a hard disk drive and a solid-state drive?

- Ans ☒ A. A hard disk drive uses spinning disks to store data, while a solid-state drive uses flash memory to store data.
☐ B. A hard disk drive is slower than a solid-state drive.
☐ C. A hard disk drive is more durable than a solid-state drive.
☐ D. All of the above

Question Type : MCQ
Question ID : 4335766389
Option 1 ID : 43357625553
Option 2 ID : 43357625554
Option 3 ID : 43357625555
Option 4 ID : 43357625556
Status : Answered
Chosen Option : B

Q.18 In an operating system, a "buffer cache" is used to:

- Ans ☒ A. Store files in memory
- ☒ B. Store copies of frequently used files in memory
- ☒ C. Store the operating system kernel
- ☒ D. Store input/output devices

Question Type : MCQ
Question ID : 4335766123
Option 1 ID : 43357624489
Option 2 ID : 43357624490
Option 3 ID : 43357624491
Option 4 ID : 43357624492
Status : Answered
Chosen Option : B

Q.19 _____ are the set of rules that governs how data can be transmitted over world wide web.

- Ans ☒ A. Hyper Text Transfer Protocol
- ☒ B. Encryption Standards
- ☒ C. Cyber forensic
- ☒ D. Digital Certificates

Question Type : MCQ
Question ID : 4335766017
Option 1 ID : 43357624065
Option 2 ID : 43357624066
Option 3 ID : 43357624067
Option 4 ID : 43357624068
Status : Answered
Chosen Option : A

Q.20 Multimedia system require hard real time scheduling _____

- Ans ☒ A. to ensure critical tasks will be serviced within timing deadlines
- ☒ B. to deliver the media file to the client
- ☒ C. to minimize the delay
- ☒ D. for security

Question Type : MCQ
Question ID : 4335766402
Option 1 ID : 43357625605
Option 2 ID : 43357625606
Option 3 ID : 43357625607
Option 4 ID : 43357625608
Status : Answered
Chosen Option : A

Q.21 Which of the following applications is a typical use of microcontrollers in the field of home automation?

- Ans ☒ A. Satellite communication
- ☒ B. Air traffic control
- ☒ C. Temperature and lighting control
- ☒ D. Space exploration

Question Type : MCQ
Question ID : 4335766058
Option 1 ID : 43357624229
Option 2 ID : 43357624230
Option 3 ID : 43357624231
Option 4 ID : 43357624232
Status : Answered
Chosen Option : C

Q.22 What is the purpose of SQL injection attacks?

- Ans ☒ A. To increase the performance of database queries
- ☒ B. To bypass authentication systems
- ☒ C. To improve database security
- ☒ D. To enhance data encryption

Question Type : MCQ
Question ID : 4335766280
Option 1 ID : 43357625117
Option 2 ID : 43357625118
Option 3 ID : 43357625119
Option 4 ID : 43357625120
Status : Answered
Chosen Option : B

Q.23 What is the primary purpose of data compression in data communication?

- Ans ☒ A. To increase latency
- ☒ B. To reduce bandwidth usage
- ☒ C. To decrease error rates
- ☒ D. To improve security

Question Type : MCQ
Question ID : 4335766181
Option 1 ID : 43357624721
Option 2 ID : 43357624722
Option 3 ID : 43357624723
Option 4 ID : 43357624724
Status : Answered
Chosen Option : C

Q.24 What is the term for a variable that references an instance of a class?

- Ans ☒ A. Property
☒ B. Method
☒ C. Object
☒ D. Constructor

Question Type : MCQ
 Question ID : 4335766252
 Option 1 ID : 43357625005
 Option 2 ID : 43357625006
 Option 3 ID : 43357625007
 Option 4 ID : 43357625008
 Status : Answered
 Chosen Option : C

Q.25 Which network device serves as the entry and exit point of a network, as all data coming in or going out of a network must first pass through it?

- Ans ☒ A. Modem
☒ B. Gateway
☒ C. Switch
☒ D. Repeater

Question Type : MCQ
 Question ID : 4335766461
 Option 1 ID : 43357625841
 Option 2 ID : 43357625842
 Option 3 ID : 43357625843
 Option 4 ID : 43357625844
 Status : Answered
 Chosen Option : B

Q.26 Identify the correct output of the following code snippet :
 game="olympic2024"
 print (game. index ("C"))

- Ans ☒ A. 0
☒ B. 6
☒ C. -1
☒ D. ValueError

Question Type : MCQ
 Question ID : 4335766432
 Option 1 ID : 43357625725
 Option 2 ID : 43357625726
 Option 3 ID : 43357625727
 Option 4 ID : 43357625728
 Status : Answered
 Chosen Option : D

Q.27 In a B tree of order m, each internal node can have up to __ children.

- Ans ☒ A. $m - 1$
- ☒ B. m
- ☒ C. $2m - 1$
- ☒ D. $2m$

Question Type : MCQ
Question ID : 4335766095
Option 1 ID : 43357624377
Option 2 ID : 43357624378
Option 3 ID : 43357624379
Option 4 ID : 43357624380
Status : Answered
Chosen Option : A

Q.28 Which of the following is the correct expansion of SMS ?

- Ans ☒ A. Short Message Service
- ☒ B. Small Multimedia Service
- ☒ C. Short Multimedia Service
- ☒ D. Small Message Service

Question Type : MCQ
Question ID : 4335766428
Option 1 ID : 43357625709
Option 2 ID : 43357625710
Option 3 ID : 43357625711
Option 4 ID : 43357625712
Status : Answered
Chosen Option : B

Q.29 Which of the following statement (s) is/are TRUE in respect of Media Access Control (MAC) Address?

- (A) It can be changed if a node is removed from one network and connected to another network.
- (B) Each MAC address is a 12-digit hexadecimal number.
- (C) It is a unique value associated with a network adapter called NIC.
- (D) It is provided by the Internet Service Provider to locate computers connected to the internet.

Choose the correct answer from the options given below:

- Ans ☒ A. (B) and (C) only
- ☒ B. (A), (B) and (C) only
- ☒ C. (C) and (D) only
- ☒ D. (A) and (B) only

Question Type : MCQ
Question ID : 4335765996
Option 1 ID : 43357623981
Option 2 ID : 43357623982
Option 3 ID : 43357623983
Option 4 ID : 43357623984
Status : Answered
Chosen Option : A

Q.30 While creating a table, which constraint does not allow insertion of duplicate values in the table ?

- Ans ☒ A. UNIQUE
☒ B. DISTINCT
☒ C. NOT NULL
☒ D. HAVING

Question Type : MCQ
 Question ID : 4335766438
 Option 1 ID : 43357625749
 Option 2 ID : 43357625750
 Option 3 ID : 43357625751
 Option 4 ID : 43357625752
 Status : Answered
 Chosen Option : A

Q.31 Which term is used to describe the ability of different classes to be treated as objects of the same parent class?

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

Question Type : MCQ
 Question ID : 4335766234
 Option 1 ID : 43357624933
 Option 2 ID : 43357624934
 Option 3 ID : 43357624935
 Option 4 ID : 43357624936
 Status : Answered
 Chosen Option : B

Q.32 Building blocks of a frame structure are?

- Ans ☒ A. Facts and Data
☒ B. Procedure and Default values
☒ C. Frame names
☒ D. Frame inference in hierarchy

Question Type : MCQ
 Question ID : 4335766371
 Option 1 ID : 43357625481
 Option 2 ID : 43357625482
 Option 3 ID : 43357625483
 Option 4 ID : 43357625484
 Status : Answered
 Chosen Option : D

Q.33 Segmentation is a memory management technique where memory is divided into segments, with each segment containing:

- Ans ☒ A. Fixed-sized blocks of memory
☒ B. Different types of data structures
☒ C. Variable-sized blocks of memory
☒ D. Non-contiguous blocks of memory

Question Type : MCQ
 Question ID : 4335766132
 Option 1 ID : 43357624525
 Option 2 ID : 43357624526
 Option 3 ID : 43357624527
 Option 4 ID : 43357624528
 Status : Answered
 Chosen Option : A

Q.34 About IoT, which among the followings is not correct?

- Ans ☒ A. Light sensor is analog
☒ B. microphone is a digital sensor
☒ C. Keyboard is a digital sensor
☒ D. Push button is a digital Sensor

Question Type : MCQ
 Question ID : 4335766321
 Option 1 ID : 43357625281
 Option 2 ID : 43357625282
 Option 3 ID : 43357625283
 Option 4 ID : 43357625284
 Status : Answered
 Chosen Option : B

Q.35 Connected components in a graph can be found using which graph traversal algorithm?

- Ans ☒ A. DFS
☒ B. BFS
☒ C. Both DFS and BFS
☒ D. Neither DFS nor BFS

Question Type : MCQ
 Question ID : 4335766100
 Option 1 ID : 43357624397
 Option 2 ID : 43357624398
 Option 3 ID : 43357624399
 Option 4 ID : 43357624400
 Status : Answered
 Chosen Option : C

Q.36 A complex SCADA system has _____ levels?

- Ans ☒ A. 6
☒ B. 5
☒ C. 3
☒ D. 4

Question Type : MCQ
 Question ID : 4335766330
 Option 1 ID : 43357625317
 Option 2 ID : 43357625318
 Option 3 ID : 43357625319
 Option 4 ID : 43357625320
 Status : Answered
 Chosen Option : B

Q.37 Hierarchical addressing in the Network Layer allows for:

- Ans ☒ A. More efficient use of IP addresses
☒ B. Dynamic allocation of MAC addresses
☒ C. Faster data transmission rates
☒ D. Reduced latency in data communication

Question Type : MCQ
 Question ID : 4335766196
 Option 1 ID : 43357624781
 Option 2 ID : 43357624782
 Option 3 ID : 43357624783
 Option 4 ID : 43357624784
 Status : Answered
 Chosen Option : A

Q.38 According to Chomsky hierarchy, which of the following is recognized by Recursively Enumerable language?

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

Question Type : MCQ
 Question ID : 4335766311
 Option 1 ID : 43357625241
 Option 2 ID : 43357625242
 Option 3 ID : 43357625243
 Option 4 ID : 43357625244
 Status : Answered
 Chosen Option : D

Q.39 Which SQL clause is used to retrieve specific rows from a table?

Ans ☒ A. SEARCH

☒ B. FETCH

☒ C. SELECT

☒ D. FIND

Question Type : MCQ

Question ID : 4335766282

Option 1 ID : 43357625125

Option 2 ID : 43357625126

Option 3 ID : 43357625127

Option 4 ID : 43357625128

Status : Answered

Chosen Option : C

Q.40 In conditional asymptotic notation, " $\Theta(f(n))$ if $g(n)$ " indicates that the algorithm's complexity is both upper and lower bounded by $f(n)$ when:

Ans ☒ A. $g(n)$ is a lower bound on $f(n)$

☒ B. $g(n)$ is an upper bound on $f(n)$

☒ C. $g(n)$ is true

☒ D. $g(n)$ is false

Question Type : MCQ

Question ID : 4335766075

Option 1 ID : 43357624297

Option 2 ID : 43357624298

Option 3 ID : 43357624299

Option 4 ID : 43357624300

Status : Answered

Chosen Option : B

Q.41 The OSI model consists of how many layers?

Ans ☒ A. 5

☒ B. 6

☒ C. 7

☒ D. 8

Question Type : MCQ

Question ID : 4335766182

Option 1 ID : 43357624725

Option 2 ID : 43357624726

Option 3 ID : 43357624727

Option 4 ID : 43357624728

Status : Answered

Chosen Option : C

Q.42 In a relational database, what is a primary key?

- Ans ☒ A. A key used for opening encrypted data
- ☒ B. A unique identifier for a record in a table @
- ☒ C. A foreign key from another table
- ☒ D. An index for sorting data

Question Type : MCQ
Question ID : 4335766277
Option 1 ID : 43357625105
Option 2 ID : 43357625106
Option 3 ID : 43357625107
Option 4 ID : 43357625108
Status : Answered
Chosen Option : B

Q.43 What will be the output of the following code segment?

```
a = 5
def func_1(b=10):
    global a
    a=b-10
    b+=a
    print (a,b)
    func_1(a)
```

- Ans ☒ A. 0 5
- ☒ B. 5 0
- ☒ C. 0 -5
- ☒ D. -5 0

Question Type : MCQ
Question ID : 4335766456
Option 1 ID : 43357625821
Option 2 ID : 43357625822
Option 3 ID : 43357625823
Option 4 ID : 43357625824
Status : Answered
Chosen Option : A

Q.44 Which JavaScript method is used to add a new HTML element to the DOM?

- Ans ☒ A. appendElement()
- ☒ B. createElement()
- ☒ C. newElement()
- ☒ D. addElement()

Question Type : MCQ
Question ID : 4335766267
Option 1 ID : 43357625065
Option 2 ID : 43357625066
Option 3 ID : 43357625067
Option 4 ID : 43357625068
Status : Answered
Chosen Option : C

Q.45 The primary function of firewall in network security is

- Ans ☒ A. To monitor network traffic and detect anomalies.
- ☒ B. To create virtual private networks for secure communication.
- ☒ C. To filter incoming and outgoing network traffic based on security rules
- ☒ D. To encrypt data before Transmission.

Question Type : MCQ
Question ID : 4335766478
Option 1 ID : 43357625909
Option 2 ID : 43357625910
Option 3 ID : 43357625911
Option 4 ID : 43357625912
Status : Answered
Chosen Option : C

Q.46 In AI systems, Knowledge can be represented in two ways. What are these two ways?

- (i) Machine Logic
(ii) Predicate Logic
(iii) Propositional Logic
(iv) Compound Logic

- Ans ☒ A. (i) and (ii)
- ☒ B. (i) and (iii)
- ☒ C. (ii) and (iii)
- ☒ D. (iii) and (vi)

Question Type : MCQ
Question ID : 4335766368
Option 1 ID : 43357625469
Option 2 ID : 43357625470
Option 3 ID : 43357625471
Option 4 ID : 43357625472
Status : Answered
Chosen Option : B

Q.47 What is the difference between a URL and a web address?

- Ans ☒ A. A URL is a Uniform Resource Locator, while a web address is away to identify a website on the internet.
- ☒ B. A URL is a software program, while a web address is a hardware device.
- ☒ C. A URL is a physical object, while a web address is a logical object.
- ☒ D. All of the above.

Question Type : MCQ
Question ID : 4335766222
Option 1 ID : 43357624885
Option 2 ID : 43357624886
Option 3 ID : 43357624887
Option 4 ID : 43357624888
Status : Answered
Chosen Option : A

Q.48 Monitors are primarily used for achieving:

- Ans ☒ A. Deadlocks
☒ B. Starvation
☒ C. Mutual exclusion and synchronization
☒ D. Process termination

Question Type : MCQ
 Question ID : 4335766137
 Option 1 ID : 43357624545
 Option 2 ID : 43357624546
 Option 3 ID : 43357624547
 Option 4 ID : 43357624548
 Status : Answered
 Chosen Option : C

Q.49 In EDI, I stands for?

- Ans ☒ A. Indian
☒ B. India
☒ C. Interchange
☒ D. Interval

Question Type : MCQ
 Question ID : 4335766396
 Option 1 ID : 43357625581
 Option 2 ID : 43357625582
 Option 3 ID : 43357625583
 Option 4 ID : 43357625584
 Status : Answered
 Chosen Option : C

Q.50 Which protocol provides connectionless communication with minimal overhead?

- Ans ☒ A. TCP
☒ B. UDP
☒ C. IP
☒ D. HTTP

Question Type : MCQ
 Question ID : 4335766191
 Option 1 ID : 43357624761
 Option 2 ID : 43357624762
 Option 3 ID : 43357624763
 Option 4 ID : 43357624764
 Status : Answered
 Chosen Option : B

Q.51 Which maintenance activity involves updating software to work with new hardware or software environments?

- Ans ☒ A. Corrective Maintenance
☒ B. Adaptive Maintenance
☒ C. Perfective Maintenance
☒ D. Preventive Maintenance

Question Type : MCQ
 Question ID : 4335766225
 Option 1 ID : 43357624897
 Option 2 ID : 43357624898
 Option 3 ID : 43357624899
 Option 4 ID : 43357624900
 Status : Answered
 Chosen Option : B

Q.52 A formal model of protection in an operating system provides:

- Ans ☒ A. A mathematical framework for analyzing resource allocation
☒ B. Guidelines for designing user interfaces
☒ C. Methods for optimizing memory management
☒ D. Techniques for improving CPU utilization

Question Type : MCQ
 Question ID : 4335766120
 Option 1 ID : 43357624477
 Option 2 ID : 43357624478
 Option 3 ID : 43357624479
 Option 4 ID : 43357624480
 Status : Answered
 Chosen Option : D

Q.53 minimum number of states required to recognize an octal number divisible by 3 are/is

- Ans ☒ A. 3
☒ B. 4
☒ C. 1
☒ D. 2

Question Type : MCQ
 Question ID : 4335766288
 Option 1 ID : 43357625149
 Option 2 ID : 43357625150
 Option 3 ID : 43357625151
 Option 4 ID : 43357625152
 Status : Answered
 Chosen Option : D

Q.54 Which command is used to remove a relation from an SQL?

- Ans ☒ A. Drop table
☒ B. Delete
☒ C. Purge
☒ D. Remove

Question Type : MCQ
 Question ID : 4335766154
 Option 1 ID : 43357624613
 Option 2 ID : 43357624614
 Option 3 ID : 43357624615
 Option 4 ID : 43357624616
 Status : Answered
 Chosen Option : B

Q.55 What does the term "Software Maintenance" refer to?

- Ans ☒ A. Developing new software applications
☒ B. Enhancing software performance
☒ C. Managing hardware components
☒ D. Modifying and updating existing software

Question Type : MCQ
 Question ID : 4335766212
 Option 1 ID : 43357624845
 Option 2 ID : 43357624846
 Option 3 ID : 43357624847
 Option 4 ID : 43357624848
 Status : Answered
 Chosen Option : D

Q.56 The recurrence equation $T(n) = T(n/2) + T(n/3) + n$ represents the time complexity of which algorithmic paradigm?

- Ans ☒ A. Divide and Conquer
☒ B. Dynamic Programming
☒ C. Greedy Algorithms
☒ D. Backtracking

Question Type : MCQ
 Question ID : 4335766077
 Option 1 ID : 43357624305
 Option 2 ID : 43357624306
 Option 3 ID : 43357624307
 Option 4 ID : 43357624308
 Status : Answered
 Chosen Option : A

Q.57 What does the term "harvard architecture" refer to in the context of microcontrollers?

Ans ☒ A. A type of microcontroller with high processing speed

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

☒ C. A microcontroller with advanced addressing modes

☒ D. A microcontroller with a large number of I/O ports

Question Type : MCQ

Question ID : 4335766061

Option 1 ID : 43357624241

Option 2 ID : 43357624242

Option 3 ID : 43357624243

Option 4 ID : 43357624244

Status : Answered

Chosen Option : B

Q.58 Consider the statements given below and then choose the correct output from the

given options :
L=['TIC', 'TAC']
print (L[::-1])

Ans ☒ A. ['CIT', 'CAT']

☒ B. ['TIC', 'TAC']

☒ C. ['CAT', 'CIT']

☒ D. ['TAC', 'TIC']

Question Type : MCQ

Question ID : 4335766435

Option 1 ID : 43357625737

Option 2 ID : 43357625738

Option 3 ID : 43357625739

Option 4 ID : 43357625740

Status : Answered

Chosen Option : A

Q.59 Which of the following is not an attribute of the tag ?

Ans ☒ A. face

☒ B. height

☒ C. size

☒ D. colour

Question Type : MCQ

Question ID : 4335766469

Option 1 ID : 43357625873

Option 2 ID : 43357625874

Option 3 ID : 43357625875

Option 4 ID : 43357625876

Status : Answered

Chosen Option : B

Q.60 The term "multi-user" in an OS context refers to:

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

Question Type : MCQ
Question ID : 4335766147
Option 1 ID : 43357624585
Option 2 ID : 43357624586
Option 3 ID : 43357624587
Option 4 ID : 43357624588
Status : Answered
Chosen Option : B

Q.61 TPDU (Transport Protocol Data Unit) refers to:

- Ans ☒ A. A unit of data in the physical layer
- ☒ B. A unit of data in the data link layer
- ☒ C. A unit of data in the transport layer
- ☒ D. A unit of data in the network layer

Question Type : MCQ
Question ID : 4335766192
Option 1 ID : 43357624765
Option 2 ID : 43357624766
Option 3 ID : 43357624767
Option 4 ID : 43357624768
Status : Answered
Chosen Option : C

Q.62 A* search algorithm is based on?

- Ans ☒ A. BFS
- ☒ B. DFS
- ☒ C. Uniform cost search
- ☒ D. Best first Search

Question Type : MCQ
Question ID : 4335766364
Option 1 ID : 43357625453
Option 2 ID : 43357625454
Option 3 ID : 43357625455
Option 4 ID : 43357625456
Status : Answered
Chosen Option : A

Q.63 What is the primary purpose of using Don't Care conditions in Karnaugh Map simplification?

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

Question Type : MCQ
Question ID : 4335766063
Option 1 ID : 43357624249
Option 2 ID : 43357624250
Option 3 ID : 43357624251
Option 4 ID : 43357624252
Status : Answered
Chosen Option : A

Q.64 Which among the followins is not a type of Zigbee Device?

- Ans ☐ A. Zigbee Coordinator device
- ☐ B. Zigbee Router
- ☒ C. Zigbee start device
- ☐ D. Zigbee end device

Question Type : MCQ
Question ID : 4335766336
Option 1 ID : 43357625341
Option 2 ID : 43357625342
Option 3 ID : 43357625343
Option 4 ID : 43357625344
Status : Answered
Chosen Option : A

Q.65 Zigbee is a task group in-----

- Ans ☐ A. LAN
- ☒ B. PAN
- ☐ C. MAN
- ☐ D. WAN

Question Type : MCQ
Question ID : 4335766335
Option 1 ID : 43357625337
Option 2 ID : 43357625338
Option 3 ID : 43357625339
Option 4 ID : 43357625340
Status : Answered
Chosen Option : A

Q.66 In a threaded binary tree, the space required for threads is usually:

- Ans ☒ A. Greater than the space required for regular pointers
☒ B. Equal to the space required for regular pointers
☒ C. Less than the space required for regular pointers
☒ D. Unpredictable

Question Type : MCQ
 Question ID : 4335766097
 Option 1 ID : 43357624385
 Option 2 ID : 43357624386
 Option 3 ID : 43357624387
 Option 4 ID : 43357624388
 Status : Answered
 Chosen Option : C

Q.67 Given the Boolean expression $F(A, B, C, D) = \Sigma(0, 1, 2, 3, 8, 9, 10, 11)$, what is the simplified expression using the algebraic method?

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

Question Type : MCQ
 Question ID : 4335766047
 Option 1 ID : 43357624185
 Option 2 ID : 43357624186
 Option 3 ID : 43357624187
 Option 4 ID : 43357624188
 Status : Answered
 Chosen Option : C

Q.68 Which model considers risk assessment and incremental development in software projects?

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

Question Type : MCQ
 Question ID : 4335766220
 Option 1 ID : 43357624877
 Option 2 ID : 43357624878
 Option 3 ID : 43357624879
 Option 4 ID : 43357624880
 Status : Answered
 Chosen Option : D

Q.69 Which of the following expression in SQL would calculate the square root of 16?

- Ans ☒ A. POWER (16,2)
☒ B. POWER (16, 0.5)
☒ C. POWER (16, 1)
☒ D. MOD (16)

Question Type : MCQ
 Question ID : 4335765995
 Option 1 ID : 43357623977
 Option 2 ID : 43357623978
 Option 3 ID : 43357623979
 Option 4 ID : 43357623980
 Status : Answered
 Chosen Option : B

Q.70 A relation in a relational database is also known as:

- Ans ☒ A. A data type
☒ B. An attribute
☒ C. A schema
☒ D. A table

Question Type : MCQ
 Question ID : 4335765994
 Option 1 ID : 43357623973
 Option 2 ID : 43357623974
 Option 3 ID : 43357623975
 Option 4 ID : 43357623976
 Status : Answered
 Chosen Option : D

Q.71 A Database Management System is a type of _____ software.

- Ans ☒ A. It is a type of system software
☒ B. It is a kind of application software
☒ C. It is a kind of general software
☒ D. Both A and C

Question Type : MCQ
 Question ID : 4335766157
 Option 1 ID : 43357624625
 Option 2 ID : 43357624626
 Option 3 ID : 43357624627
 Option 4 ID : 43357624628
 Status : Answered
 Chosen Option : B

Q.72 A grammar that produces more than one parse tree for the same sentence is called

- Ans ☒ A. Contiguous
☒ B. Ambiguous
☒ C. Unambiguous
☒ D. Regular

Question Type : MCQ
 Question ID : 4335766301
 Option 1 ID : 43357625201
 Option 2 ID : 43357625202
 Option 3 ID : 43357625203
 Option 4 ID : 43357625204
 Status : Answered
 Chosen Option : A

Q.73 Which traversal technique is used to visit each node of a linked list exactly once?

- Ans ☒ A. Preorder traversal
☒ B. Inorder traversal
☒ C. Postorder traversal
☒ D. Linear traversal

Question Type : MCQ
 Question ID : 4335766111
 Option 1 ID : 43357624441
 Option 2 ID : 43357624442
 Option 3 ID : 43357624443
 Option 4 ID : 43357624444
 Status : Answered
 Chosen Option : D

Q.74 Which of the following is not a Search Engine available over the Internet ?

- Ans ☒ A. Google
☒ B. Bing
☒ C. Diksha
☒ D. Yahoo

Question Type : MCQ
 Question ID : 4335766426
 Option 1 ID : 43357625701
 Option 2 ID : 43357625702
 Option 3 ID : 43357625703
 Option 4 ID : 43357625704
 Status : Answered
 Chosen Option : C

Q.75 In a PLA, what components are used to implement the combinational logic functions?

Ans ☒ A. AND gates and OR gates

☒ B. NAND gates and XOR gates

☒ C. NOR gates and XNOR gates

☒ D. NOT gates and multiplexers

Question Type : MCQ

Question ID : 4335766034

Option 1 ID : 43357624133

Option 2 ID : 43357624134

Option 3 ID : 43357624135

Option 4 ID : 43357624136

Status : Answered

Chosen Option : A

Q.76 Which protocol is used for sending emails?

Ans ☒ A. HTTP

☒ B. FTP

☒ C. SMTP

☒ D. SNMP

Question Type : MCQ

Question ID : 4335766178

Option 1 ID : 43357624709

Option 2 ID : 43357624710

Option 3 ID : 43357624711

Option 4 ID : 43357624712

Status : Answered

Chosen Option : C

Q.77are the unorganized facts that can be processed to generate meaningful information.

Ans ☒ A. Information

☒ B. Data

☒ C. Blog

☒ D. contexts

Question Type : MCQ

Question ID : 4335765993

Option 1 ID : 43357623969

Option 2 ID : 43357623970

Option 3 ID : 43357623971

Option 4 ID : 43357623972

Status : Answered

Chosen Option : B

Q.78 Which one of the following resource is not necessarily required on a file server?

- Ans ☒ A. secondary storage
☒ B. processor
☒ C. network
☒ D. monitor

Question Type : MCQ
 Question ID : 4335766403
 Option 1 ID : 43357625609
 Option 2 ID : 43357625610
 Option 3 ID : 43357625611
 Option 4 ID : 43357625612
 Status : Answered
 Chosen Option : D

Q.79 The letter S in the abbreviation HTTPS in context of Networking protocols, stands for :

- Ans ☒ A. Single
☒ B. Static
☒ C. Secure
☒ D. Sensitive

Question Type : MCQ
 Question ID : 4335766465
 Option 1 ID : 43357625857
 Option 2 ID : 43357625858
 Option 3 ID : 43357625859
 Option 4 ID : 43357625860
 Status : Answered
 Chosen Option : C

Q.80 Which version control system is commonly used for collaborative web development projects?

- Ans ☒ A. SVN
☒ B. Git
☒ C. Mercurial
☒ D. CVS

Question Type : MCQ
 Question ID : 4335766259
 Option 1 ID : 43357625033
 Option 2 ID : 43357625034
 Option 3 ID : 43357625035
 Option 4 ID : 43357625036
 Status : Answered
 Chosen Option : C

Q.81 The term "DFD" stands for?

- Ans ☒ A. Data file diagram
☒ B. Data flow document
☒ C. Data flow diagram
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766162
 Option 1 ID : 43357624645
 Option 2 ID : 43357624646
 Option 3 ID : 43357624647
 Option 4 ID : 43357624648
 Status : Answered
 Chosen Option : C

Q.82 Which symbol is used to define the start and end of XML tags?

- Ans ☒ A.
☒ B. {}
☒ C. []
☒ D. ()

Question Type : MCQ
 Question ID : 4335766268
 Option 1 ID : 43357625069
 Option 2 ID : 43357625070
 Option 3 ID : 43357625071
 Option 4 ID : 43357625072
 Status : Answered
 Chosen Option : A

Q.83 What is the full form of FTP ?

- Ans ☒ A. File Transfer Protocol
☒ B. File Transmission Protocol
☒ C. Fast Transfer Protocol
☒ D. Fast Transmission Protocol

Question Type : MCQ
 Question ID : 4335766422
 Option 1 ID : 43357625685
 Option 2 ID : 43357625686
 Option 3 ID : 43357625687
 Option 4 ID : 43357625688
 Status : Answered
 Chosen Option : A

Q.84 The language accepted by Push down Automaton:

- Ans ☒ A. Recursive Language
☒ B. Context free language
☒ C. Linearly Bounded language
☒ D. All of the mentioned

Question Type : MCQ
 Question ID : 4335766302
 Option 1 ID : 43357625205
 Option 2 ID : 43357625206
 Option 3 ID : 43357625207
 Option 4 ID : 43357625208
 Status : Answered
 Chosen Option : D

Q.85 What is an encryption system that uses two keys: a public key that everyone can have and a private key for only the recipient?

- Ans ☒ A. Encryption
☒ B. IDS
☒ C. Security Audit software
☒ D. Public key Encryption

Question Type : MCQ
 Question ID : 4335766397
 Option 1 ID : 43357625585
 Option 2 ID : 43357625586
 Option 3 ID : 43357625587
 Option 4 ID : 43357625588
 Status : Answered
 Chosen Option : B

Q.86 Let $u = '1101'$, $v = '0001'$, then $uv = 11010001$ and $vu = 00011101$. Using the given information what is the identity element for the string?

- Ans ☒ A. u^{-1}
☒ B. v^{-1}
☒ C. $u^{-1}v^{-1}$
☒ D. ϵ

Question Type : MCQ
 Question ID : 4335766292
 Option 1 ID : 43357625165
 Option 2 ID : 43357625166
 Option 3 ID : 43357625167
 Option 4 ID : 43357625168
 Status : Answered
 Chosen Option : D

Q.87 Which keyword is used to create an instance of a class in most programming languages?

- Ans ☒ A. alloc
☒ B. new
☒ C. create
☒ D. instance

Question Type : MCQ
 Question ID : 4335766229
 Option 1 ID : 43357624913
 Option 2 ID : 43357624914
 Option 3 ID : 43357624915
 Option 4 ID : 43357624916
 Status : Answered
 Chosen Option : B

Q.88 Which of the following is known as a set of entities of the same type that share same properties, or attributes?

- Ans ☒ A. Relation set
☒ B. Tuples
☒ C. Entity set
☒ D. Entity Relation model

Question Type : MCQ
 Question ID : 4335766151
 Option 1 ID : 43357624601
 Option 2 ID : 43357624602
 Option 3 ID : 43357624603
 Option 4 ID : 43357624604
 Status : Answered
 Chosen Option : D

Q.89 What is the time complexity of Merge Sort for sorting an array of size "n"?

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

Question Type : MCQ
 Question ID : 4335766093
 Option 1 ID : 43357624369
 Option 2 ID : 43357624370
 Option 3 ID : 43357624371
 Option 4 ID : 43357624372
 Status : Answered
 Chosen Option : C

Q.90 Maximum read range of RFID module is?

- Ans ☒ A. 10 CM
☒ B. 5 CM
☒ C. 15 CM
☒ D. 2 CM

Question Type : MCQ
 Question ID : 4335766334
 Option 1 ID : 43357625333
 Option 2 ID : 43357625334
 Option 3 ID : 43357625335
 Option 4 ID : 43357625336
 Status : Answered
 Chosen Option : A

Q.91 Which type of register is primarily used to temporarily hold data during arithmetic and logical operations in a microprocessor?

- Ans ☒ A. Shift register
☒ B. Parallel register
☒ C. Accumulator register
☒ D. Counter register

Question Type : MCQ
 Question ID : 4335766036
 Option 1 ID : 43357624141
 Option 2 ID : 43357624142
 Option 3 ID : 43357624143
 Option 4 ID : 43357624144
 Status : Answered
 Chosen Option : C

Q.92 Safeguards in an operating system are mechanisms used to:

- Ans ☒ A. Ensure the efficient utilization of CPU time
☒ B. Prevent data loss during power outages
☒ C. Enhance the performance of I/O operations
☒ D. Protect against unauthorized access and security breaches

Question Type : MCQ
 Question ID : 4335766121
 Option 1 ID : 43357624481
 Option 2 ID : 43357624482
 Option 3 ID : 43357624483
 Option 4 ID : 43357624484
 Status : Answered
 Chosen Option : D

Q.93 Which of the following is a service for real-time text communication on the internet ?

- Ans ☒ A. e-Learning
☒ B. FTP
☒ C. Video conferencing
☒ D. Chat

Question Type : MCQ
 Question ID : 4335766018
 Option 1 ID : 43357624069
 Option 2 ID : 43357624070
 Option 3 ID : 43357624071
 Option 4 ID : 43357624072
 Status : Answered
 Chosen Option : D

Q.94 If the dictionary D1 is defined as:

$D1 = \{1: 'a', 2: 'b'\}$

then which of the following statements is incorrect and hence will result in an error?

- Ans ☒ A. D1 . get (1)
☒ B. D1 . get (3)
☒ C. D1 .del (1)
☒ D. D1 . clear (1)

Question Type : MCQ
 Question ID : 4335766453
 Option 1 ID : 43357625809
 Option 2 ID : 43357625810
 Option 3 ID : 43357625811
 Option 4 ID : 43357625812
 Status : Answered
 Chosen Option : B

Q.95 Telnet is commonly used for:

- Ans ☒ A. Secure file transfers
☒ B. Remote terminal access
☒ C. Web browsing
☒ D. Email communication

Question Type : MCQ
 Question ID : 4335766194
 Option 1 ID : 43357624773
 Option 2 ID : 43357624774
 Option 3 ID : 43357624775
 Option 4 ID : 43357624776
 Status : Answered
 Chosen Option : B

Q.96 Separate chaining involves storing collided elements in separate data structures, typically in:

- Ans ☒ A. Linked lists
☒ B. Arrays
☒ C. Stacks
☒ D. Queues

Question Type : MCQ
 Question ID : 4335766106
 Option 1 ID : 43357624421
 Option 2 ID : 43357624422
 Option 3 ID : 43357624423
 Option 4 ID : 43357624424
 Status : Answered
 Chosen Option : A

Q.97 PDA can be represented with the help of

- Ans ☒ A. Instantaneous description
☒ B. Transition diagram
☒ C. Transition table
☒ D. All of these

Question Type : MCQ
 Question ID : 4335766303
 Option 1 ID : 43357625209
 Option 2 ID : 43357625210
 Option 3 ID : 43357625211
 Option 4 ID : 43357625212
 Status : Answered
 Chosen Option : D

Q.98 Which Karnaugh Map simplification technique involves grouping cells that are not adjacent but share a common variable value?

- Ans ☒ A. Pair simplification
☒ B. Quad simplification
☒ C. Octet simplification
☒ D. Group simplification

Question Type : MCQ
 Question ID : 4335766064
 Option 1 ID : 43357624253
 Option 2 ID : 43357624254
 Option 3 ID : 43357624255
 Option 4 ID : 43357624256
 Status : Answered
 Chosen Option : D

Q.99 which of the following is/ are components of Expert Systems?

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

Question Type : MCQ
 Question ID : 4335766377
 Option 1 ID : 43357625505
 Option 2 ID : 43357625506
 Option 3 ID : 43357625507
 Option 4 ID : 43357625508
 Status : Answered
 Chosen Option : D

Q.10 Arrange the following electromagnetic waves in increasing order of their frequency range.

- (A) Microwaves
 (B) Infrared Waves
 (C) Light Waves
 (D) Radio Waves

Choose the correct answer from the options given below :

- Ans ☒ A. (A), (C), (D), (B)
☒ B. (D), (C), (B), (A)
☒ C. (B), (A), (D), (C)
☒ D. (D), (A), (B), (C)

Question Type : MCQ
 Question ID : 4335766013
 Option 1 ID : 43357624049
 Option 2 ID : 43357624050
 Option 3 ID : 43357624051
 Option 4 ID : 43357624052
 Status : Answered
 Chosen Option : C

Section : Part II

Q.10 The mirror of the Society is:

- Ans ☒ A. playground
☒ B. community
☒ C. Hospital
☒ D. School

Question Type : MCQ
 Question ID : 4335764203
 Option 1 ID : 43357616809
 Option 2 ID : 43357616810
 Option 3 ID : 43357616811
 Option 4 ID : 43357616812
 Status : Answered
 Chosen Option : B

Q.10 The number of domains in taxonomies of educational objective is
2

- Ans ☒ A. Two
☒ B. Three
☒ C. Five
☒ D. Six

Question Type : MCQ
Question ID : 4335763524
Option 1 ID : 43357614093
Option 2 ID : 43357614094
Option 3 ID : 43357614095
Option 4 ID : 43357614096
Status : Answered
Chosen Option : B

Q.10 Who has developed the 'Guidelines on information literacy for lifelong learning?
3

- Ans ☒ A. RUSA
☒ B. ACRL
☒ C. SCONUL
☒ D. IFLA

Question Type : MCQ
Question ID : 4335763922
Option 1 ID : 43357615685
Option 2 ID : 43357615686
Option 3 ID : 43357615687
Option 4 ID : 43357615688
Status : Answered
Chosen Option : A

Q.10 Which type of lesson plan is simple and straightforward?
4

- Ans ☒ A. Daily lesson plan
☒ B. Weekly lesson plan
☒ C. Sequential lesson plans
☒ D. Monthly lesson plan

Question Type : MCQ
Question ID : 4335763698
Option 1 ID : 43357614789
Option 2 ID : 43357614790
Option 3 ID : 43357614791
Option 4 ID : 43357614792
Status : Answered
Chosen Option : C

Q.10 The most natural and simple way of teaching a lesson is to proceed from

- 5 Statement I. something that the students already know
Statement II. those facts which are unknown to the learners
Statement III. Examples
Statement IV. Illustrations
Choose the correct option:-

Ans ☒ A. I, III and IV
☒ B. Only I
☒ C. Only II
☒ D. III and IV

Question Type : MCQ
Question ID : 4335763424
Option 1 ID : 43357613693
Option 2 ID : 43357613694
Option 3 ID : 43357613695
Option 4 ID : 43357613696
Status : Answered
Chosen Option : A

Q.10 Which one of the following options best describes progressive education?

6

Ans ☒ A. Learning by doing, project method, cooperative learning
☒ B. Thematic units, regular unit tests, ranking
☒ C. Personalized learning, ability grouping, labelling students
☒ D. Project method, ability grouping, ranking

Question Type : MCQ
Question ID : 4335763916
Option 1 ID : 43357615661
Option 2 ID : 43357615662
Option 3 ID : 43357615663
Option 4 ID : 43357615664
Status : Answered
Chosen Option : A

Q.10 In M.C.Q the correct option is:

7

Ans ☒ A. Response
☒ B. Answer
☒ C. Distractors
☒ D. None of these

Question Type : MCQ
Question ID : 4335764162
Option 1 ID : 43357616645
Option 2 ID : 43357616646
Option 3 ID : 43357616647
Option 4 ID : 43357616648
Status : Answered
Chosen Option : B

Q.10 Which of the following is a sign of motivated teaching?
8

- Ans ☒ A. Maximum presence of students in the class
☒ B. Asking questions by students
☒ C. Pin drop silence in the class
☒ D. Completion of home assignment

Question Type : MCQ
 Question ID : 4335763620
 Option 1 ID : 43357614477
 Option 2 ID : 43357614478
 Option 3 ID : 43357614479
 Option 4 ID : 43357614480
 Status : Answered
 Chosen Option : D

Q.10 In M.C.Qs the statement of the problem is:
9

- Ans ☒ A. Option
☒ B. Distractor
☒ C. Premise
☒ D. Stem

Question Type : MCQ
 Question ID : 4335764161
 Option 1 ID : 43357616641
 Option 2 ID : 43357616642
 Option 3 ID : 43357616643
 Option 4 ID : 43357616644
 Status : Answered
 Chosen Option : A

Q.11 The stage in problem solving that includes the preparation of suitable hypothesis for
0 investigation.

- Ans ☒ A. Survey
☒ B. Planning for action
☒ C. Problem description
☒ D. Discussion

Question Type : MCQ
 Question ID : 4335763584
 Option 1 ID : 43357614333
 Option 2 ID : 43357614334
 Option 3 ID : 43357614335
 Option 4 ID : 43357614336
 Status : Answered
 Chosen Option : A

Q.11 While discussing about friction, a teacher gave a number of examples to explain the
1 concept. Some of the examples where friction is useful in our day-to-day life as-quoted by the teacher are given below.

I. We are able to write because of friction between the tip of the pen and the paper.

II. We are able to walk because of friction between our feet and the ground.

III. A ball thrown vertically upwards comes back to us due to friction.

IV. We are able to stop a moving vehicle by applying brakes because of friction.

The correct examples were

Ans ☒ A. III, IV and I

☒ B. IV, I and II

☒ C. I, III and IV

☒ D. II, III and IV

Question Type : MCQ

Question ID : 4335763630

Option 1 ID : 43357614517

Option 2 ID : 43357614518

Option 3 ID : 43357614519

Option 4 ID : 43357614520

Status : Answered

Chosen Option : B

Q.11 Having variety of question sets in a question paper increases it _____
2

Ans ☒ A. Objectivity

☒ B. Reliability

☒ C. Validity

☒ D. Difficulty

Question Type : MCQ

Question ID : 4335764289

Option 1 ID : 43357617153

Option 2 ID : 43357617154

Option 3 ID : 43357617155

Option 4 ID : 43357617156

Status : Answered

Chosen Option : B

Q.11 If you join a teacher fraternity and choose to dress like most of the others in your
3 group, you are exhibiting-

Ans ☒ A. group identity

☒ B. group obedience

☒ C. group compliance

☒ D. group conformity

Question Type : MCQ

Question ID : 4335763938

Option 1 ID : 43357615749

Option 2 ID : 43357615750

Option 3 ID : 43357615751

Option 4 ID : 43357615752

Status : Answered

Chosen Option : D

Q.11 What is the 4 steps for constructing a test ?
4

- Ans ☒ A. Planning and preparing the test
☒ B. Try Out the test
☒ C. Evaluating the test
☒ D. All of these

Question Type : MCQ
 Question ID : 4335764081
 Option 1 ID : 43357616321
 Option 2 ID : 43357616322
 Option 3 ID : 43357616323
 Option 4 ID : 43357616324
 Status : Answered
 Chosen Option : D

Q.11 Continuous and Comprehensive evaluation was initiated by:
5

- Ans ☒ A. NCTE
☒ B. CBSE
☒ C. NCERT
☒ D. SCERT

Question Type : MCQ
 Question ID : 4335764080
 Option 1 ID : 43357616317
 Option 2 ID : 43357616318
 Option 3 ID : 43357616319
 Option 4 ID : 43357616320
 Status : Answered
 Chosen Option : C

Q.11 Learning is generally considered as a permanent change in behavior' based on
6

- Ans ☒ A. Practice and experience.
☒ B. Practice and challenge.
☒ C. Challenge and experience.
☒ D. Challenge and reinforcement.

Question Type : MCQ
 Question ID : 4335763388
 Option 1 ID : 43357613549
 Option 2 ID : 43357613550
 Option 3 ID : 43357613551
 Option 4 ID : 43357613552
 Status : Answered
 Chosen Option : A

Q.11 The characteristics of discussion method is
7

- Ans ☒ A. Ensure maximum participation
☒ B. Students have the opportunity to criticize and evaluate.
☒ C. Logical and meaningful criticism should be accepted
☒ D. All of them

Question Type : MCQ
Question ID : 4335763798
Option 1 ID : 43357615189
Option 2 ID : 43357615190
Option 3 ID : 43357615191
Option 4 ID : 43357615192
Status : Answered
Chosen Option : D

Q.11 Which of the following teaching method is focused on the development of creative
8 minds?

- Ans ☒ A. Project
☒ B. Brain storming
☒ C. Observation
☒ D. Demonstration

Question Type : MCQ
Question ID : 4335764309
Option 1 ID : 43357617233
Option 2 ID : 43357617234
Option 3 ID : 43357617235
Option 4 ID : 43357617236
Status : Answered
Chosen Option : B

Q.11 Which type of lesson plan is concise and focused on specific concepts or skills?
9

- Ans ☒ A. Sequential lesson plans
☒ B. Weekly lesson plan
☒ C. Daily lesson plan
☒ D. Monthly lesson plan

Question Type : MCQ
Question ID : 4335763695
Option 1 ID : 43357614777
Option 2 ID : 43357614778
Option 3 ID : 43357614779
Option 4 ID : 43357614780
Status : Answered
Chosen Option : A

Q.12 The 5E learning cycle boosts student engagement and motivation through
0

- Ans ☒ A. Constructivist approach
☒ B. Humanistic approach
☒ C. Naturalistic approach
☒ D. Pragmatist approach

Question Type : MCQ
Question ID : 4335763719
Option 1 ID : 43357614873
Option 2 ID : 43357614874
Option 3 ID : 43357614875
Option 4 ID : 43357614876
Status : Answered
Chosen Option : B

Q.12 The part of the curriculum designed to meet the needs of all students is:
1

- Ans ☒ A. General education
☒ B. Specialized education
☒ C. The extra-curriculum
☒ D. The program of studies

Question Type : MCQ
Question ID : 4335764231
Option 1 ID : 43357616921
Option 2 ID : 43357616922
Option 3 ID : 43357616923
Option 4 ID : 43357616924
Status : Answered
Chosen Option : A

Q.12 To demonstrate success by focusing on the learner's desired outcome, a reasonable
2 list of _____ objectives should be provided.

- Ans ☒ A. Informational
☒ B. Mastery
☒ C. Challenging
☒ D. General

Question Type : MCQ
Question ID : 4335763509
Option 1 ID : 43357614033
Option 2 ID : 43357614034
Option 3 ID : 43357614035
Option 4 ID : 43357614036
Status : Answered
Chosen Option : A

Q.12 In comparing lecture and demonstration lessons, which one of the following is not true?

- Ans ☒ A. Slow children derive benefit from a lecture than brighter one
- ☒ B. There are more activities for the students in a demonstration lesson
- ☒ C. The lecture method is more conducive and useful for larger group
- ☒ D. It is difficult to ascertain students' learning in a lecture session

Question Type : MCQ
Question ID : 4335764001
Option 1 ID : 43357616001
Option 2 ID : 43357616002
Option 3 ID : 43357616003
Option 4 ID : 43357616004
Status : Answered
Chosen Option : B

Q.12 Which one of the following is the duty of a class teacher?

- Ans ☒ A. Check the books, exercise books and bages of the students suddenly
- ☒ B. Check the lunch boxes of the students and advise them to take healthy food
- ☒ C. Check cleanliness of the class
- ☒ D. All of these

Question Type : MCQ
Question ID : 4335764048
Option 1 ID : 43357616189
Option 2 ID : 43357616190
Option 3 ID : 43357616191
Option 4 ID : 43357616192
Status : Answered
Chosen Option : D

Q.12 The most expected immediate outcome of teaching is-

- Ans ☒ A. Changes in the behavior of students in a desirable direction.
- ☒ B. Development of the total personality of students.
- ☒ C. Building characters of the students.
- ☒ D. Getting selected for a suitable job.

Question Type : MCQ
Question ID : 4335763471
Option 1 ID : 43357613881
Option 2 ID : 43357613882
Option 3 ID : 43357613883
Option 4 ID : 43357613884
Status : Answered
Chosen Option : A

Q.12 To select subject matter, one should consider student's:
6

- Ans ☒ A. I.Q
☒ B. Class
☒ C. Health
☒ D. Physical age

Question Type : MCQ
Question ID : 4335764233
Option 1 ID : 43357616929
Option 2 ID : 43357616930
Option 3 ID : 43357616931
Option 4 ID : 43357616932
Status : Answered
Chosen Option : A

Q.12 Micro teaching was first adopted at Stanford University by
7

- Ans ☒ A. Stephen M Corey
☒ B. Dwight W Allen
☒ C. John Dewey
☒ D. Arthur Cunningham

Question Type : MCQ
Question ID : 4335763746
Option 1 ID : 43357614981
Option 2 ID : 43357614982
Option 3 ID : 43357614983
Option 4 ID : 43357614984
Status : Answered
Chosen Option : B

Q.12 Introduce a problem that students might not be able to solve yet is an example of
8

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

Question Type : MCQ
Question ID : 4335763721
Option 1 ID : 43357614881
Option 2 ID : 43357614882
Option 3 ID : 43357614883
Option 4 ID : 43357614884
Status : Answered
Chosen Option : A

Q.12 Full form of SIOP Model is

9

- Ans ☒ A. Sheltered Intervention Observation Protocol
- ☒ B. Sheltered Instruction Observation Protocol
- ☒ C. Sheltered Instruction Objection Protocol
- ☒ D. Sheltered Intervention Objection Protocol

Question Type : MCQ
Question ID : 4335763843
Option 1 ID : 43357615369
Option 2 ID : 43357615370
Option 3 ID : 43357615371
Option 4 ID : 43357615372
Status : Answered
Chosen Option : B

Q.13 Which one of the following is the most suitable to improve children's learning?

0

- Ans ☒ A. Regular assessment test should be conducted.
- ☒ B. Teacher should explain the content using different examples and illustrations.
- ☒ C. All types of learning material should be there in the class.
- ☒ D. Teacher should facilitate children to interact with each other on real-life situations.

Question Type : MCQ
Question ID : 4335763935
Option 1 ID : 43357615737
Option 2 ID : 43357615738
Option 3 ID : 43357615739
Option 4 ID : 43357615740
Status : Answered
Chosen Option : B

Section : Part III

Q.13 Which one among the following is NOT a major oil field located in Gujarat?

1

- Ans ☒ A. Ankaleshwar
- ☒ B. Kosamba
- ☒ C. Mehsana
- ☒ D. Moran

Question Type : MCQ
Question ID : 4335764402
Option 1 ID : 43357617605
Option 2 ID : 43357617606
Option 3 ID : 43357617607
Option 4 ID : 43357617608
Status : Answered
Chosen Option : C

Q.13 Who among the following is the author of the book 'The Indian Struggle 1920 - 1942' ?

2

Ans ☒ A. Vinayak Damodar Savarkar

☒ B. Subhas Chandra Bose

☒ C. Vallabhbhai Patel

☒ D. Sarat Chandra Bose

Question Type : MCQ

Question ID : 4335764447

Option 1 ID : 43357617785

Option 2 ID : 43357617786

Option 3 ID : 43357617787

Option 4 ID : 43357617788

Status : Answered

Chosen Option : B

Q.13 7 is to 34 as 5 is to ?

3

Ans ☒ A. 33

☒ B. 24

☒ C. 54

☒ D. 41

Question Type : MCQ

Question ID : 4335764951

Option 1 ID : 43357619801

Option 2 ID : 43357619802

Option 3 ID : 43357619803

Option 4 ID : 43357619804

Status : Answered

Chosen Option : B

Q.13 Chronologically arrange the following political events related to Indian National

4 Movement beginning from the earliest :

1. Formation of Swaraj Party

2. Communal Award

3. Lucknow Pact

4. Simla Conference

Select the correct answer from the given options:

Ans ☒ A. 3, 1, 2, 4

☒ B. 1, 3, 2, 4

☒ C. 2, 1, 4, 3

☒ D. 1, 2, 3, 4

Question Type : MCQ

Question ID : 4335764343

Option 1 ID : 43357617369

Option 2 ID : 43357617370

Option 3 ID : 43357617371

Option 4 ID : 43357617372

Status : Answered

Chosen Option : A

Q.13 As per the Cabinet Resolution of 1st January 2015, the NITI Aayog consists of :

- 5
1. Prime Minister of India
 2. Governing Council comprising of Chief Minister of all the States and Lieutenant Governors of Union Territories
 3. Rural Development Minister
 4. Chief Executive Officer to be appointed by the Prime Minister

Select the correct answer from the given options :

- Ans
- ☒ A. 1, 2 and 3
- ☒ B. 1, 2 and 4
- ☒ C. 1 and 2 only
- ☒ D. 3 and 4 only

Question Type : MCQ
Question ID : 4335764474
Option 1 ID : 43357617893
Option 2 ID : 43357617894
Option 3 ID : 43357617895
Option 4 ID : 43357617896
Status : Answered
Chosen Option : B

Q.13 Which nutrient protects us from diseases?
6

- Ans
- ☒ A. Vitamin and minerals
- ☒ B. Fats and carbohydrates
- ☒ C. Protein
- ☒ D. All of these

Question Type : MCQ
Question ID : 4335764553
Option 1 ID : 43357618209
Option 2 ID : 43357618210
Option 3 ID : 43357618211
Option 4 ID : 43357618212
Status : Answered
Chosen Option : A

Q.13 In the given letter series what letter will come in place of the question Symbol.
7

DIL, GLO, JOR, ?

- Ans
- ☒ A. MRV
- ☒ B. MRQ
- ☒ C. MRU
- ☒ D. NRO

Question Type : MCQ
Question ID : 4335764868
Option 1 ID : 43357619469
Option 2 ID : 43357619470
Option 3 ID : 43357619471
Option 4 ID : 43357619472
Status : Answered
Chosen Option : C

Q.13 B is the Aunt of C. A is the Husband of B. B is the sister of D. Tell how A is related to D?

8

- Ans ☒ A. Uncle
☒ B. Brother-in-Law
☒ C. Niece
☒ D. Son

Question Type : MCQ
 Question ID : 4335764903
 Option 1 ID : 43357619609
 Option 2 ID : 43357619610
 Option 3 ID : 43357619611
 Option 4 ID : 43357619612
 Status : Answered
 Chosen Option : B

Q.13 The joint between separate faces of a solid is called an.....

9

- Ans ☒ A. edge
☒ B. face
☒ C. vertex
☒ D. None of these

Question Type : MCQ
 Question ID : 4335764681
 Option 1 ID : 43357618721
 Option 2 ID : 43357618722
 Option 3 ID : 43357618723
 Option 4 ID : 43357618724
 Status : Answered
 Chosen Option : A

Q.14 Which is the longest National Highway in India?

0

- Ans ☒ A. NH 5
☒ B. NH44
☒ C. NH10
☒ D. NH 15

Question Type : MCQ
 Question ID : 4335764603
 Option 1 ID : 43357618409
 Option 2 ID : 43357618410
 Option 3 ID : 43357618411
 Option 4 ID : 43357618412
 Status : Answered
 Chosen Option : B

Q.14 Aaron weight 49 kg 357 g and Ron weights 32 kg 458 g. Who weighs less and by how
1 much?

- Ans ☒ A. Ron weighs less by 16 kg 899 g
☒ B. Aaron weighs less by 16 kg 899 g
☒ C. Ron weighs more by 16 kg 899 g
☒ D. Aaron weighs more by 16 kg 899 g

Question Type : MCQ
Question ID : 4335764723
Option 1 ID : 43357618889
Option 2 ID : 43357618890
Option 3 ID : 43357618891
Option 4 ID : 43357618892
Status : Answered
Chosen Option : A

Q.14 If we combine two consecutive triangular numbers, we get?
2

- Ans ☒ A. Rational Number
☒ B. Whole Number
☒ C. Perfect Square
☒ D. Prime Number

Question Type : MCQ
Question ID : 4335764751
Option 1 ID : 43357619001
Option 2 ID : 43357619002
Option 3 ID : 43357619003
Option 4 ID : 43357619004
Status : Answered
Chosen Option : C

Q.14 Which of the following is a waterborne disease?
3

- Ans ☒ A. Measles
☒ B. malaria
☒ C. Lung disease
☒ D. Hepatitis

Question Type : MCQ
Question ID : 4335764649
Option 1 ID : 43357618593
Option 2 ID : 43357618594
Option 3 ID : 43357618595
Option 4 ID : 43357618596
Status : Answered
Chosen Option : B

Q.14 "Family is a unit consisting of a mother, father and their two children". This statement
4 is

- Ans ☒ A. incorrect, because the statement should specify that the children are biological
- ☒ B. incorrect, because there are many kinds of families and one cannot classify family as being of only one kind
- ☒ C. correct, since this is an ideal family size
- ☒ D. correct, because this is what all Indian families are like

Question Type : MCQ
Question ID : 4335764503
Option 1 ID : 43357618009
Option 2 ID : 43357618010
Option 3 ID : 43357618011
Option 4 ID : 43357618012
Status : Answered
Chosen Option : B

Q.14 If the median of the data 30,8,7,3,17,15,21,24,29,23 is x and the median of the data
5 obtained by replacing 3 by 33 and 8 by 18 in the above data is y, then what is the difference between y and x ?

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

Question Type : MCQ
Question ID : 4335764770
Option 1 ID : 43357619077
Option 2 ID : 43357619078
Option 3 ID : 43357619079
Option 4 ID : 43357619080
Status : Answered
Chosen Option : B

Q.14 Choose the correct option instead of the question mark in the given question.
6

456 : 15 :: 627 : ?

- Ans ☒ A. 12
- ☒ B. 15
- ☒ C. 18
- ☒ D. 21

Question Type : MCQ
Question ID : 4335764838
Option 1 ID : 43357619349
Option 2 ID : 43357619350
Option 3 ID : 43357619351
Option 4 ID : 43357619352
Status : Answered
Chosen Option : B

Q.14 In English alphabet which Letter is in between the Letter s and the Letter G ?

7

- Ans ☒ A. N
☒ B. M
☒ C. L
☒ D. P

Question Type : MCQ
 Question ID : 4335764921
 Option 1 ID : 43357619681
 Option 2 ID : 43357619682
 Option 3 ID : 43357619683
 Option 4 ID : 43357619684
 Status : Answered
 Chosen Option : B

Q.14 Which of the following are macronutrients commonly found in soil?

8

- Ans ☒ A. Carbon, Hydrogen, Oxygen
☒ B. Nitrogen, Phosphorus, Potassium
☒ C. Iron, Manganese, Zinc
☒ D. Boron, Copper, Molybdenum

Question Type : MCQ
 Question ID : 4335764576
 Option 1 ID : 43357618301
 Option 2 ID : 43357618302
 Option 3 ID : 43357618303
 Option 4 ID : 43357618304
 Status : Answered
 Chosen Option : B

Q.14 ABCD is a rhombus in which $\angle ADB = 25$ Degree. Then, the value of $(2\angle BAD - \angle ABC)$ is

9 :

- Ans ☒ A. 230 Degree
☒ B. 240 Degree
☒ C. 210 Degree
☒ D. 260 Degree

Question Type : MCQ
 Question ID : 4335764790
 Option 1 ID : 43357619157
 Option 2 ID : 43357619158
 Option 3 ID : 43357619159
 Option 4 ID : 43357619160
 Status : Answered
 Chosen Option : C

Q.15 Globalization signifies which of the following :

0

- Ans
- ☒ A. Time-space compression
 - ☒ B. The integration of the world economy
 - ☒ C. The growth of supra- territorial relations between people
 - ☒ D. All the above

Question Type : MCQ

Question ID : 4335764433

Option 1 ID : 43357617729

Option 2 ID : 43357617730

Option 3 ID : 43357617731

Option 4 ID : 43357617732

Status : Answered

Chosen Option : D

