

BSTET (Class 11-12)

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

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Section : Part I Computer Science(226)

Q.1 What is the main purpose of inheritance in OOP?

- Ans
- ☒ A. To create instances of classes
 - ☒ B. To prevent data abstraction
 - ☒ C. To establish a parent-child relationship between classes
 - ☒ D. To define exceptions

Question Type : MCQ
 Question ID : 4335766240
 Option 1 ID : 43357624957
 Option 2 ID : 43357624958
 Option 3 ID : 43357624959
 Option 4 ID : 43357624960
 Status : Answered
 Chosen Option : C

Q.2 Microcontrollers find application in various fields. What is a typical application of microcontrollers in the automotive industry?

- Ans
- ☒ A. Operating systems for computers
 - ☒ B. Entertainment systems in airplanes
 - ☒ C. Engine control in cars
 - ☒ D. Weather forecasting systems

Question Type : MCQ
 Question ID : 4335766057
 Option 1 ID : 43357624225
 Option 2 ID : 43357624226
 Option 3 ID : 43357624227
 Option 4 ID : 43357624228
 Status : Answered
 Chosen Option : B

Q.3 The term "FAT" is stands for _____

- Ans ☒ A. File Allocation Tree
- ☒ B. File Allocation Table
- ☒ C. File Allocation Graph
- ☒ D. All of the above

Question Type : MCQ
Question ID : 4335766163
Option 1 ID : 43357624649
Option 2 ID : 43357624650
Option 3 ID : 43357624651
Option 4 ID : 43357624652
Status : Answered
Chosen Option : A

Q.4 What is CRUD an acronym for in database operations?

- Ans ☒ A. Create, Read, Update, Delete
- ☒ B. Cache, Read, Update, Delete
- ☒ C. Copy, Replace, Update, Delete
- ☒ D. Collect, Read, Use, Discard

Question Type : MCQ
Question ID : 4335766281
Option 1 ID : 43357625121
Option 2 ID : 43357625122
Option 3 ID : 43357625123
Option 4 ID : 43357625124
Status : Answered
Chosen Option : A

Q.5 Which principle ensures that only essential information is visible to the outside world?

- Ans ☒ A. Polymorphism
- ☒ B. Information hiding
- ☒ C. Encapsulation
- ☒ D. Abstraction

Question Type : MCQ
Question ID : 4335766237
Option 1 ID : 43357624945
Option 2 ID : 43357624946
Option 3 ID : 43357624947
Option 4 ID : 43357624948
Status : Answered
Chosen Option : A

Q.6 Contention-based MAC protocols are commonly used in:

- Ans ☒ A. Ethernet networks
☒ B. Token Ring networks
☒ C. ATM networks
☒ D. Point-to-Point networks

Question Type : MCQ
 Question ID : 4335766183
 Option 1 ID : 43357624729
 Option 2 ID : 43357624730
 Option 3 ID : 43357624731
 Option 4 ID : 43357624732
 Status : Answered
 Chosen Option : A

Q.7 Stealing someone's intellectual work and representing it as your own is known as

- Ans ☒ A. Fraud
☒ B. Identity Theft
☒ C. Online Stealing
☒ D. Plagiarism

Question Type : MCQ
 Question ID : 4335766007
 Option 1 ID : 43357624025
 Option 2 ID : 43357624026
 Option 3 ID : 43357624027
 Option 4 ID : 43357624028
 Status : Answered
 Chosen Option : A

Q.8 Even with two-factor authentication, users may still be vulnerable to _____ attacks

- Ans ☒ A. Scripting
☒ B. Cross attack
☒ C. Man-in-the-middle
☒ D. Radiant

Question Type : MCQ
 Question ID : 4335766352
 Option 1 ID : 43357625405
 Option 2 ID : 43357625406
 Option 3 ID : 43357625407
 Option 4 ID : 43357625408
 Status : Answered
 Chosen Option : A

Q.9 What is the term for the ability of a class to provide different implementations of a method based on the input parameters?

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

Question Type : MCQ
 Question ID : 4335766249
 Option 1 ID : 43357624993
 Option 2 ID : 43357624994
 Option 3 ID : 43357624995
 Option 4 ID : 43357624996
 Status : Answered
 Chosen Option : B

Q.10 Which of the following refers to creating products tailored to individual customers?

- Ans ☒ A. Customization
☒ B. Adaptation
☒ C. Direct material
☒ D. Auction

Question Type : MCQ
 Question ID : 4335766382
 Option 1 ID : 43357625525
 Option 2 ID : 43357625526
 Option 3 ID : 43357625527
 Option 4 ID : 43357625528
 Status : Answered
 Chosen Option : A

Q.11 The length of an IPv6 address is:

- Ans ☒ A. 32 bits
☒ B. 64 bits
☒ C. 128 bits
☒ D. 256 bits

Question Type : MCQ
 Question ID : 4335766199
 Option 1 ID : 43357624793
 Option 2 ID : 43357624794
 Option 3 ID : 43357624795
 Option 4 ID : 43357624796
 Status : Answered
 Chosen Option : B

Q.12 A website or online platform where individuals or groups regularly publish written content, typically in a reverse chronological order is known as :

- Ans ☒ A. News Group
- ☒ B. Blog
- ☒ C. Chat Group
- ☒ D. Social Networking

Question Type : MCQ
Question ID : 4335766468
Option 1 ID : 43357625869
Option 2 ID : 43357625870
Option 3 ID : 43357625871
Option 4 ID : 43357625872
Status : Answered
Chosen Option : C

Q.13 A text file song .txt contains the following contents in it:

Life goes on as it never ends
What will be the output of the following code snippet?
f1 = open ("song.txt", "r")
s1 = f1. read (5)
s2 = f1. readline (4)
s3 = f1. read (3)
print (s1, s3, sep = "#")

- Ans ☒ A. goes # on
- ☒ B. Life #goes # on
- ☒ C. Life # on
- ☒ D. Error

Question Type : MCQ
Question ID : 4335766455
Option 1 ID : 43357625817
Option 2 ID : 43357625818
Option 3 ID : 43357625819
Option 4 ID : 43357625820
Status : Answered
Chosen Option : B

Q.14 Who used the term "IoT" fist?

- Ans ☒ A. Steve Jobs
- ☒ B. Bill Simpson
- ☒ C. Kevin Aston
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335766319
Option 1 ID : 43357625273
Option 2 ID : 43357625274
Option 3 ID : 43357625275
Option 4 ID : 43357625276
Status : Answered
Chosen Option : A

Q.15 Which programming languages are commonly supported by Dreamweaver for web development?

- Ans ☒ A. Python and Ruby
☒ B. HTML and CSS @
☒ C. C++ and Java
☒ D. PHP and MySQL

Question Type : MCQ
 Question ID : 4335766271
 Option 1 ID : 43357625081
 Option 2 ID : 43357625082
 Option 3 ID : 43357625083
 Option 4 ID : 43357625084
 Status : Answered
 Chosen Option : B

Q.16 What is the purpose of a constructor in OOP?

- Ans ☒ A. To destroy objects
☒ B. To create instances of abstract classes
☒ C. To initialize object properties
☒ D. To define abstract methods

Question Type : MCQ
 Question ID : 4335766243
 Option 1 ID : 43357624969
 Option 2 ID : 43357624970
 Option 3 ID : 43357624971
 Option 4 ID : 43357624972
 Status : Answered
 Chosen Option : B

Q.17 What is the main advantage of using abstract classes over interfaces?

- Ans ☒ A. Abstract classes can have multiple inheritance, unlike interfaces
☒ B. Interfaces can have constructors, while abstract classes cannot
☒ C. Abstract classes can provide default implementations of methods
☒ D. Interfaces allow for private access modifiers, unlike abstract classes

Question Type : MCQ
 Question ID : 4335766246
 Option 1 ID : 43357624981
 Option 2 ID : 43357624982
 Option 3 ID : 43357624983
 Option 4 ID : 43357624984
 Status : Answered
 Chosen Option : A

Q.18 Which of the following networking devices is used to regenerate and transmit the weakened signal ahead ?

- Ans ☒ A. Hub
☒ B. Ethernet Card
☒ C. Repeater
☒ D. Modern

Question Type : MCQ
 Question ID : 4335766445
 Option 1 ID : 43357625777
 Option 2 ID : 43357625778
 Option 3 ID : 43357625779
 Option 4 ID : 43357625780
 Status : Answered
 Chosen Option : B

Q.19 The maximum length (in bytes) of an IPv4 datagram is:

- Ans ☒ A. 32
☒ B. 256
☒ C. 1024
☒ D. 65535

Question Type : MCQ
 Question ID : 4335766200
 Option 1 ID : 43357624797
 Option 2 ID : 43357624798
 Option 3 ID : 43357624799
 Option 4 ID : 43357624800
 Status : Answered
 Chosen Option : A

Q.20 Ginni has created a table, SCORES in MySQL to store runs scored by players in a cricket match. The table contains the following records:

Table : Scores
 PLAYER SCORE
 Ranveer 50
 Sukesh 35
 Mirza 10
 John 51
 Murugan 70

Which of the following statements will give 10 as output?

- Ans ☒ A. SELECT MAX (Score) FROM Scores;
☒ B. SELECT MIN (Score) FROM Scores;
☒ C. SELECT SUM (Score) FROM Scores;
☒ D. SELECT AVG (Score) FROM Scores;

Question Type : MCQ
 Question ID : 4335766459
 Option 1 ID : 43357625833
 Option 2 ID : 43357625834
 Option 3 ID : 43357625835
 Option 4 ID : 43357625836
 Status : Answered
 Chosen Option : A

Q.21data type is used to implement Queue data structure in Python.

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

Question Type : MCQ
 Question ID : 4335765991
 Option 1 ID : 43357623961
 Option 2 ID : 43357623962
 Option 3 ID : 43357623963
 Option 4 ID : 43357623964
 Status : Answered
 Chosen Option : C

Q.22 In an ideal microcomputer, where is the Arithmetic Logic Unit (ALU) located?

- Ans ☒ A. CPU
☒ B. Memory
☒ C. Input devices
☒ D. Output devices

Question Type : MCQ
 Question ID : 4335766054
 Option 1 ID : 43357624213
 Option 2 ID : 43357624214
 Option 3 ID : 43357624215
 Option 4 ID : 43357624216
 Status : Answered
 Chosen Option : A

Q.23 What consists of the identification of risks or threats, the implementation of security measures, and the monitoring of those measures for effectiveness?

- Ans ☒ A. Risk assessment
☒ B. Security
☒ C. Risk Management
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766399
 Option 1 ID : 43357625593
 Option 2 ID : 43357625594
 Option 3 ID : 43357625595
 Option 4 ID : 43357625596
 Status : Answered
 Chosen Option : A

Q.24 Which of the following attributes is not a valid attribute of the tag in HTML ?

- Ans ☒ A. text
☒ B. background
☒ C. bgcolor
☒ D. width

Question Type : MCQ
 Question ID : 4335766423
 Option 1 ID : 43357625689
 Option 2 ID : 43357625690
 Option 3 ID : 43357625691
 Option 4 ID : 43357625692
 Status : Answered
 Chosen Option : A

Q.25 SQL applies conditions on the groups through.....clause after groups have been formed.

- Ans ☒ A. where
☒ B. having
☒ C. new
☒ D. all

Question Type : MCQ
 Question ID : 4335765983
 Option 1 ID : 43357623929
 Option 2 ID : 43357623930
 Option 3 ID : 43357623931
 Option 4 ID : 43357623932
 Status : Answered
 Chosen Option : A

Q.26 Given binary numbers A = 101010 and B = 111111, what is the result of (A AND B) OR (A XOR B)?

- Ans ☒ A. 111111
☒ B. 101111
☒ C. 111010
☒ D. 101010

Question Type : MCQ
 Question ID : 4335766042
 Option 1 ID : 43357624165
 Option 2 ID : 43357624166
 Option 3 ID : 43357624167
 Option 4 ID : 43357624168
 Status : Answered
 Chosen Option : D

Q.27 A Language for which DFA exist is a _____

- Ans ☒ A. Regular Language
☒ B. Non-Regular Language
☒ C. Any language
☒ D. Cannot be said

Question Type : MCQ
 Question ID : 4335766289
 Option 1 ID : 43357625153
 Option 2 ID : 43357625154
 Option 3 ID : 43357625155
 Option 4 ID : 43357625156
 Status : Answered
 Chosen Option : A

Q.28 What is the difference between a website and a web page?

- Ans ☒ A. A website is a collection of web pages, while a web page is a single document that is displayed on the web.
☒ B. A website is a software program, while a web page is a hardware device.
☒ C. A website is a physical object, while a web page is a logical object.
☒ D. All of the above.

Question Type : MCQ
 Question ID : 4335766164
 Option 1 ID : 43357624653
 Option 2 ID : 43357624654
 Option 3 ID : 43357624655
 Option 4 ID : 43357624656
 Status : Answered
 Chosen Option : A

Q.29 The "Turing Machine" showed that you could use a/an _____ system to program any algorithmic task.

- Ans ☒ A. binary
☒ B. electro-chemical
☒ C. recursive
☒ D. semantic

Question Type : MCQ
 Question ID : 4335766375
 Option 1 ID : 43357625497
 Option 2 ID : 43357625498
 Option 3 ID : 43357625499
 Option 4 ID : 43357625500
 Status : Answered
 Chosen Option : C

Q.30 What is the term for a condition that occurs during program execution that disrupts the normal flow of instructions?

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

Question Type : MCQ
 Question ID : 4335766254
 Option 1 ID : 43357625013
 Option 2 ID : 43357625014
 Option 3 ID : 43357625015
 Option 4 ID : 43357625016
 Status : Answered
 Chosen Option : B

Q.31 The term "Data" refers to:

- Ans ☒ A. The electronic representation of the information(or data)
☒ B. Basic information
☒ C. Raw Facts and figures
☒ D. Both A and C

Question Type : MCQ
 Question ID : 4335766166
 Option 1 ID : 43357624661
 Option 2 ID : 43357624662
 Option 3 ID : 43357624663
 Option 4 ID : 43357624664
 Status : Answered
 Chosen Option : A

Q.32 Which among the following was the first web browser ?

- Ans ☒ A. Internet Explorer
☒ B. Mosaic
☒ C. Google Chrome
☒ D. Opera

Question Type : MCQ
 Question ID : 4335766006
 Option 1 ID : 43357624021
 Option 2 ID : 43357624022
 Option 3 ID : 43357624023
 Option 4 ID : 43357624024
 Status : Answered
 Chosen Option : A

Q.33 Which among the following search algorithm requires least memory?

- Ans ☒ A. Optimal Search
☒ B. Linear Search
☒ C. DFS
☒ D. BFS

Question Type : MCQ
 Question ID : 4335766361
 Option 1 ID : 43357625441
 Option 2 ID : 43357625442
 Option 3 ID : 43357625443
 Option 4 ID : 43357625444
 Status : Answered
 Chosen Option : A

Q.34 What is the primary role of the memory-mapped I/O technique in a microcontroller?

- Ans ☒ A. It increases the speed of program execution
☒ B. It provides additional memory space for data storage
☒ C. It allows external devices to access the microcontroller's memory
☒ D. It eliminates the need for I/O operations

Question Type : MCQ
 Question ID : 4335766059
 Option 1 ID : 43357624233
 Option 2 ID : 43357624234
 Option 3 ID : 43357624235
 Option 4 ID : 43357624236
 Status : Answered
 Chosen Option : A

Q.35 Context switching in an operating system refers to the process of:

- Ans ☒ A. Switching between user and kernel modes
☒ B. Switching between processes to allow multitasking
☒ C. Switching between different file systems
☒ D. Switching between different operating systems

Question Type : MCQ
 Question ID : 4335766140
 Option 1 ID : 43357624557
 Option 2 ID : 43357624558
 Option 3 ID : 43357624559
 Option 4 ID : 43357624560
 Status : Answered
 Chosen Option : C

Q.36 What is the typical operating voltage range for TTL logic family?

- Ans ☒ A. 1.8 V to 3.3 V
☒ B. 3.3 V to 5.0 V
☒ C. 5.0 V to 12 V
☒ D. -5.0 V to 5.0 V

Question Type : MCQ
 Question ID : 4335766037
 Option 1 ID : 43357624145
 Option 2 ID : 43357624146
 Option 3 ID : 43357624147
 Option 4 ID : 43357624148
 Status : Answered
 Chosen Option : C

Q.37 Communication over mobile phone is an example of which type of communication mode?

- Ans ☒ A. Simplex
☒ B. Half - Duplex
☒ C. Full - Duplex
☒ D. Double - Duplex

Question Type : MCQ
 Question ID : 4335765984
 Option 1 ID : 43357623933
 Option 2 ID : 43357623934
 Option 3 ID : 43357623935
 Option 4 ID : 43357623936
 Status : Answered
 Chosen Option : C

Q.38 The advantage of using an expert system development tool is _____?

- Ans ☒ A. imposed structure
☒ B. knowledge engineering assistance
☒ C. rapid prototyping
☒ D. all of the mentioned

Question Type : MCQ
 Question ID : 4335766374
 Option 1 ID : 43357625493
 Option 2 ID : 43357625494
 Option 3 ID : 43357625495
 Option 4 ID : 43357625496
 Status : Answered
 Chosen Option : B

Q.39 Consider the statements given below and then choose the correct output from the given options :
def Change (N) :
N=N+10
print (N , end= '\$\$ ')
N=15
Change (N)
print (N)

- Ans ☒ A. 25\$\$15
☒ B. 15\$\$25
☒ C. 25\$\$25
☒ D. 2525\$\$

Question Type : MCQ
Question ID : 4335766439
Option 1 ID : 43357625753
Option 2 ID : 43357625754
Option 3 ID : 43357625755
Option 4 ID : 43357625756
Status : Answered
Chosen Option : A

Q.40 _____ is two dimensional data structure in Python with row index and column index.

- Ans ☒ A. DataFrame
☒ B. List
☒ C. Tuple
☒ D. Series

Question Type : MCQ
Question ID : 4335766002
Option 1 ID : 43357624005
Option 2 ID : 43357624006
Option 3 ID : 43357624007
Option 4 ID : 43357624008
Status : Answered
Chosen Option : C

Q.41 What is the output of the following expression?
Sports = "Paralympic Games"
print (Sports. Split ("m"))

- Ans ☒ A. [' Paraly ', 'm', 'pic Ga', 'm', 'es']
☒ B. ('Paraly', 'm', 'pic Games')
☒ C. ('Paraly', 'pic Ga', 'es')
☒ D. ['Paraly', 'pic Ga', 'es']

Question Type : MCQ
Question ID : 4335766451
Option 1 ID : 43357625801
Option 2 ID : 43357625802
Option 3 ID : 43357625803
Option 4 ID : 43357625804
Status : Answered
Chosen Option : A

Q.42 A PDA chooses the next move based on

- Ans ☒ A. Current state
☒ B. Next input symbol
☒ C. Both (a) and (b)
☒ D. None of these

Question Type : MCQ
 Question ID : 4335766304
 Option 1 ID : 43357625213
 Option 2 ID : 43357625214
 Option 3 ID : 43357625215
 Option 4 ID : 43357625216
 Status : Answered
 Chosen Option : A

Q.43 A photograph is an analog image and a ____ can convert it into a digital image.

- Ans ☒ A. Printer
☒ B. Scanner
☒ C. Webcam
☒ D. Camera

Question Type : MCQ
 Question ID : 4335766409
 Option 1 ID : 43357625633
 Option 2 ID : 43357625634
 Option 3 ID : 43357625635
 Option 4 ID : 43357625636
 Status : Answered
 Chosen Option : B

Q.44 A problem is said to be in NP if:

- Ans ☒ A. Its solution can be verified in polynomial time
☒ B. It can be solved using a non-deterministic algorithm
☒ C. It is not solvable
☒ D. It has exponential complexity

Question Type : MCQ
 Question ID : 4335766081
 Option 1 ID : 43357624321
 Option 2 ID : 43357624322
 Option 3 ID : 43357624323
 Option 4 ID : 43357624324
 Status : Answered
 Chosen Option : A

Q.45 The protocol that is used to send e-mails is _____.

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

Question Type : MCQ
 Question ID : 4335766295
 Option 1 ID : 43357625177
 Option 2 ID : 43357625178
 Option 3 ID : 43357625179
 Option 4 ID : 43357625180
 Status : Answered
 Chosen Option : A

Q.46 In OOP, what is method overloading?

- Ans ☒ A. Creating multiple constructors
☒ B. Using multiple inheritance
☒ C. Defining multiple methods with the same name but different parameters
☒ D. Inheriting multiple methods from a parent class

Question Type : MCQ
 Question ID : 4335766239
 Option 1 ID : 43357624953
 Option 2 ID : 43357624954
 Option 3 ID : 43357624955
 Option 4 ID : 43357624956
 Status : Answered
 Chosen Option : A

Q.47 Private Key cryptography is also known as _____ cryptography.

- Ans ☒ A. Private key
☒ B. Symetric
☒ C. Asymmetric
☒ D. None of the above

Question Type : MCQ
 Question ID : 4335766388
 Option 1 ID : 43357625549
 Option 2 ID : 43357625550
 Option 3 ID : 43357625551
 Option 4 ID : 43357625552
 Status : Answered
 Chosen Option : A

Q.48 Which maintenance process model focuses on fixing defects as they are identified?

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

Question Type : MCQ
Question ID : 4335766223
Option 1 ID : 43357624889
Option 2 ID : 43357624890
Option 3 ID : 43357624891
Option 4 ID : 43357624892
Status : Answered
Chosen Option : B

Q.49 Which of the following attributes is not a valid attribute of the tag in HTML ?

- Ans ☒ A. face
- ☒ B. type
- ☒ C. size
- ☒ D. colour

Question Type : MCQ
Question ID : 4335766421
Option 1 ID : 43357625681
Option 2 ID : 43357625682
Option 3 ID : 43357625683
Option 4 ID : 43357625684
Status : Answered
Chosen Option : A

Q.50 Which of the following is the first and foremost step in Image Processing?

- Ans ☒ A. Image acquisition
- ☒ B. Segmentation
- ☒ C. Image enhancement
- ☒ D. Image restoration

Question Type : MCQ
Question ID : 4335766415
Option 1 ID : 43357625657
Option 2 ID : 43357625658
Option 3 ID : 43357625659
Option 4 ID : 43357625660
Status : Answered
Chosen Option : C

Q.51 What is the expanded form of TCP in TCP/IP ?

- Ans ☒ A. Transmission Control Protocol
☒ B. Transmission Central Protocol
☒ C. Transfer Control Protocol
☒ D. Transport Central Protocol

Question Type : MCQ
 Question ID : 4335766023
 Option 1 ID : 43357624089
 Option 2 ID : 43357624090
 Option 3 ID : 43357624091
 Option 4 ID : 43357624092
 Status : Answered
 Chosen Option : C

Q.52 The kernel operates in a privileged mode, also known as:

- Ans ☒ A. User mode
☒ B. Debug mode
☒ C. Supervisor mode
☒ D. Interrupt mode

Question Type : MCQ
 Question ID : 4335766142
 Option 1 ID : 43357624565
 Option 2 ID : 43357624566
 Option 3 ID : 43357624567
 Option 4 ID : 43357624568
 Status : Answered
 Chosen Option : B

Q.53 The "inode" in a Unix-like file system is used to:

- Ans ☒ A. Store the contents of the file
☒ B. Store the file's name and location
☒ C. Store the attributes and metadata of the file
☒ D. Store the directory structure of the file system

Question Type : MCQ
 Question ID : 4335766125
 Option 1 ID : 43357624497
 Option 2 ID : 43357624498
 Option 3 ID : 43357624499
 Option 4 ID : 43357624500
 Status : Answered
 Chosen Option : B

Q.54 The term HTTP stand for:

- Ans ☒ A. Hyper Terminal Tracing Program
☒ B. Hypertext Tracing Program
☒ C. Hypertext Transfer Protocol
☒ D. Hypertext Tracing Protocol

Question Type : MCQ
 Question ID : 4335766197
 Option 1 ID : 43357624785
 Option 2 ID : 43357624786
 Option 3 ID : 43357624787
 Option 4 ID : 43357624788
 Status : Answered
 Chosen Option : C

Q.55 The range of numbers that can be represented in an n-bit 1's complement system is from:

- Ans ☒ A. $-2^{(n-1)}$ to $2^{(n-1)} - 1$
☒ B. 0 to $2^n - 1$
☒ C. $-2^{(n-1)}$ to $2^{(n-1)}$
☒ D. -2^n to $2^n - 1$

Question Type : MCQ
 Question ID : 4335766043
 Option 1 ID : 43357624169
 Option 2 ID : 43357624170
 Option 3 ID : 43357624171
 Option 4 ID : 43357624172
 Status : Answered
 Chosen Option : B

Q.56 Which of the following are advantages normally associated with B2B e-commerce?

- Ans ☒ A. Wide Reach
☒ B. Shorter Cycle Time
☒ C. Reduced Cost
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766381
 Option 1 ID : 43357625521
 Option 2 ID : 43357625522
 Option 3 ID : 43357625523
 Option 4 ID : 43357625524
 Status : Answered
 Chosen Option : C

Q.57 _____ offers the ability to query the data and insert, alter, and delete tuples.

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

Question Type : MCQ
 Question ID : 4335766167
 Option 1 ID : 43357624665
 Option 2 ID : 43357624666
 Option 3 ID : 43357624667
 Option 4 ID : 43357624668
 Status : Answered
 Chosen Option : A

Q.58 Program Analysis Tools are used for:

- Ans ☒ A. Designing software architecture
☒ B. Measuring software reliability
☒ C. Automatically generating test cases
☒ D. Analysing code for errors and performance bottlenecks

Question Type : MCQ
 Question ID : 4335766211
 Option 1 ID : 43357624841
 Option 2 ID : 43357624842
 Option 3 ID : 43357624843
 Option 4 ID : 43357624844
 Status : Answered
 Chosen Option : C

Q.59 In OOP, what does the term "method signature" refer to?

- Ans ☒ A. The name of the method
☒ B. The return type of the method
☒ C. The parameters of the method
☒ D. The combination of method name and parameter types

Question Type : MCQ
 Question ID : 4335766247
 Option 1 ID : 43357624985
 Option 2 ID : 43357624986
 Option 3 ID : 43357624987
 Option 4 ID : 43357624988
 Status : Answered
 Chosen Option : B

Q.60 Which testing approach involves testing individual components or units of code?

- Ans ☒ A. Integration Testing
☒ B. System Testing
☒ C. Unit Testing
☒ D. Acceptance Testing

Question Type : MCQ
 Question ID : 4335766209
 Option 1 ID : 43357624833
 Option 2 ID : 43357624834
 Option 3 ID : 43357624835
 Option 4 ID : 43357624836
 Status : Answered
 Chosen Option : B

Q.61 For a 2-D array represented in row-major order, the index formula to access the element at row "i" and column "j" using the base address "B" is:

- Ans ☒ A. Index = $B + (i * n + j)$
☒ B. Index = $B + (j * n + i)$
☒ C. Index = $B + (i + j)$
☒ D. Index = $B + (i * m + j)$

Question Type : MCQ
 Question ID : 4335766119
 Option 1 ID : 43357624473
 Option 2 ID : 43357624474
 Option 3 ID : 43357624475
 Option 4 ID : 43357624476
 Status : Answered
 Chosen Option : B

Q.62 Which of the following is not a limitation of file system?

- Ans ☒ A. Data Redundancy
☒ B. Data Inconsistency
☒ C. Data dependence
☒ D. Storing Space

Question Type : MCQ
 Question ID : 4335765982
 Option 1 ID : 43357623925
 Option 2 ID : 43357623926
 Option 3 ID : 43357623927
 Option 4 ID : 43357623928
 Status : Answered
 Chosen Option : A

Q.63 What is the purpose of ARP (Address Resolution Protocol)?

- Ans ☐ A. To assign IP addresses to devices
- ☐ B. To resolve domain names to IP addresses
- ☒ C. To map MAC addresses to IP addresses
- ☐ D. To manage network congestion

Question Type : MCQ
Question ID : 4335766186
Option 1 ID : 43357624741
Option 2 ID : 43357624742
Option 3 ID : 43357624743
Option 4 ID : 43357624744
Status : Answered
Chosen Option : A

Q.64 Which of the following is not a Web Service ?

- Ans ☐ A. Using Diksha learning portal
- ☐ B. Sending and receiving email
- ☒ C. File transfer over Bluetooth
- ☐ D. Using a banking portal for online transaction

Question Type : MCQ
Question ID : 4335766466
Option 1 ID : 43357625861
Option 2 ID : 43357625862
Option 3 ID : 43357625863
Option 4 ID : 43357625864
Status : Answered
Chosen Option : C

Q.65 What is a NoSQL database?

- Ans ☒ A. A NoSQL database is a database that does not use the relational model.
- ☐ B. A No SQL database is a database that is not managed by a DBMS.
- ☐ C. A No SQL database is a database that is not stored on a physical device.
- ☐ D. All of the above.

Question Type : MCQ
Question ID : 4335766480
Option 1 ID : 43357625917
Option 2 ID : 43357625918
Option 3 ID : 43357625919
Option 4 ID : 43357625920
Status : Answered
Chosen Option : A

Q.66 Where will the Hill Climbing Algorithm terminate?

- Ans ☒ A. Stopping Criterion met
☒ B. Global Min/Max is achieved
☒ C. No neighbor has higher value
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766365
 Option 1 ID : 43357625457
 Option 2 ID : 43357625458
 Option 3 ID : 43357625459
 Option 4 ID : 43357625460
 Status : Answered
 Chosen Option : A

Q.67 Which of the following operator evaluates to True if the variable on either side of the operator points towards the same memory location and False otherwise ?

- Ans ☒ A. is
☒ B. is not
☒ C. and
☒ D. or

Question Type : MCQ
 Question ID : 4335766436
 Option 1 ID : 43357625741
 Option 2 ID : 43357625742
 Option 3 ID : 43357625743
 Option 4 ID : 43357625744
 Status : Answered
 Chosen Option : B

Q.68 In 3G and 4G mobile technologies, the character 'G' stands for :

- Ans ☒ A. Generation
☒ B. GPRS
☒ C. Grid
☒ D. Google

Question Type : MCQ
 Question ID : 4335766467
 Option 1 ID : 43357625865
 Option 2 ID : 43357625866
 Option 3 ID : 43357625867
 Option 4 ID : 43357625868
 Status : Answered
 Chosen Option : A

Q.69 What is MISO pin in the RFID Module?

- Ans ☒ A. Master In Slave Out
- ☐ B. Manage Internal Slave Output
- ☐ C. Master Internal Search Optimization
- ☐ D. Manage Input Slave Op

Question Type : MCQ
Question ID : 4335766333
Option 1 ID : 43357625329
Option 2 ID : 43357625330
Option 3 ID : 43357625331
Option 4 ID : 43357625332
Status : Answered
Chosen Option : C

Q.70 Halting state of Turing machine are:

- Ans ☐ A. Start and stop
- ☒ B. Accept and reject
- ☐ C. Start and reject
- ☐ D. Reject and allow

Question Type : MCQ
Question ID : 4335766318
Option 1 ID : 43357625269
Option 2 ID : 43357625270
Option 3 ID : 43357625271
Option 4 ID : 43357625272
Status : Answered
Chosen Option : C

Q.71 _____ are used to overcome the challenges of managing the resources of the IoT.

- Ans ☐ A. Clustering
- ☐ B. Software agents
- ☐ C. Synchronization techniques
- ☒ D. Cluster, Software agent, and Synchronization techniques

Question Type : MCQ
Question ID : 4335766351
Option 1 ID : 43357625401
Option 2 ID : 43357625402
Option 3 ID : 43357625403
Option 4 ID : 43357625404
Status : Answered
Chosen Option : C

Q.72 What is the POS form of the Boolean expression $F(A, B, C) = \prod(1, 2, 4, 6)$?

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

Question Type : MCQ
 Question ID : 4335766030
 Option 1 ID : 43357624117
 Option 2 ID : 43357624118
 Option 3 ID : 43357624119
 Option 4 ID : 43357624120
 Status : Answered
 Chosen Option : C

Q.73 _____ attribute is used to specify the location of an image file.

- Ans ☒ A. alt
☒ B. src
☒ C. align
☒ D. name

Question Type : MCQ
 Question ID : 4335766273
 Option 1 ID : 43357625089
 Option 2 ID : 43357625090
 Option 3 ID : 43357625091
 Option 4 ID : 43357625092
 Status : Answered
 Chosen Option : B

Q.74 If NFA of 5 states excluding the initial state is converted into DFA, maximum possible number of states for the DFA is?

- Ans ☒ A. 64
☒ B. 32
☒ C. 128
☒ D. 187

Question Type : MCQ
 Question ID : 4335766298
 Option 1 ID : 43357625189
 Option 2 ID : 43357625190
 Option 3 ID : 43357625191
 Option 4 ID : 43357625192
 Status : Answered
 Chosen Option : A

Q.75 What is the purpose of staffing level estimation in software project management?

- Ans ☒ A. To determine the number of hardware components required
- ☒ B. To identify potential risks in the project
- ☒ C. To allocate appropriate resources to the project
- ☒ D. To estimate the maintenance costs of the software

Question Type : MCQ
Question ID : 4335766216
Option 1 ID : 43357624861
Option 2 ID : 43357624862
Option 3 ID : 43357624863
Option 4 ID : 43357624864
Status : Answered
Chosen Option : B

Q.76 What is DBMS?

- Ans ☒ A. DBMS is a collection of queries
- ☒ B.) DBMS is a high-level language
- ☒ C. DBMS is a programming language
- ☒ D. DBMS stores, modifies and retrieves data

Question Type : MCQ
Question ID : 4335766149
Option 1 ID : 43357624593
Option 2 ID : 43357624594
Option 3 ID : 43357624595
Option 4 ID : 43357624596
Status : Answered
Chosen Option : D

Q.77 Which of the following is the correct identifier ?

- Ans ☒ A. global
- ☒ B. Break
- ☒ C. def
- ☒ D. with

Question Type : MCQ
Question ID : 4335766433
Option 1 ID : 43357625729
Option 2 ID : 43357625730
Option 3 ID : 43357625731
Option 4 ID : 43357625732
Status : Answered
Chosen Option : B

Q.78 What is the time complexity of the Divide and Conquer algorithm for finding the maximum and minimum elements in 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 : 4335766091
 Option 1 ID : 43357624361
 Option 2 ID : 43357624362
 Option 3 ID : 43357624363
 Option 4 ID : 43357624364
 Status : Answered
 Chosen Option : B

Q.79 Which of the following protocol is used for secure remote login ?

- Ans ☒ A. FTP
- ☒ B. HTTPS
- ☒ C. TELNET
- ☒ D. HTTP

Question Type : MCQ
 Question ID : 4335766019
 Option 1 ID : 43357624073
 Option 2 ID : 43357624074
 Option 3 ID : 43357624075
 Option 4 ID : 43357624076
 Status : Answered
 Chosen Option : D

Q.80 Which property of dynamic programming is particularly useful for solving Optimal Binary Search Tree problems?

- Ans ☒ A. Optimal substructure
- ☒ B. Greedy choice property
- ☒ C. Divide and Conquer
- ☒ D. Linear programming

Question Type : MCQ
 Question ID : 4335766087
 Option 1 ID : 43357624345
 Option 2 ID : 43357624346
 Option 3 ID : 43357624347
 Option 4 ID : 43357624348
 Status : Answered
 Chosen Option : A

Q.81 Which among the following are the limiting factors of IoT?

- Ans ☒ A. Low power
☒ B. Low processing power
☒ C. Low memory
☒ D. All of the above

Question Type : MCQ
 Question ID : 4335766322
 Option 1 ID : 43357625285
 Option 2 ID : 43357625286
 Option 3 ID : 43357625287
 Option 4 ID : 43357625288
 Status : Answered
 Chosen Option : C

Q.82 In the context of dynamic programming for solving multistage graph problems, what is memoization used for?

- Ans ☒ A. Dividing the graph into stages
☒ B. Sorting the vertices in the graph
☒ C. Storing solutions to overlapping subproblems
☒ D. Finding the shortest path

Question Type : MCQ
 Question ID : 4335766090
 Option 1 ID : 43357624357
 Option 2 ID : 43357624358
 Option 3 ID : 43357624359
 Option 4 ID : 43357624360
 Status : Answered
 Chosen Option : C

Q.83 How is the width of the data bus typically measured in a microcomputer system?

- Ans ☒ A. In kilobytes (KB)
☒ B. In megahertz (MHz)
☒ C. In bits
☒ D. In address lines

Question Type : MCQ
 Question ID : 4335766055
 Option 1 ID : 43357624217
 Option 2 ID : 43357624218
 Option 3 ID : 43357624219
 Option 4 ID : 43357624220
 Status : Answered
 Chosen Option : C

Q.84 The default value of the transaction identifier in a Modbus TCP packet is?

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

Question Type : MCQ
Question ID : 4335766344
Option 1 ID : 43357625373
Option 2 ID : 43357625374
Option 3 ID : 43357625375
Option 4 ID : 43357625376
Status : Answered
Chosen Option : B

Q.85 In the Divide and Conquer algorithm for finding the maximum and minimum elements, how are the results from the left and right subarrays combined?

- Ans ☒ A. By taking the average of the maximum and minimum values
- ☒ B. By comparing the maximum of the left and right subarrays and the minimum of the left and right subarrays
- ☒ C. By adding the maximum of the left subarray to the minimum of the right subarray
- ☒ D. By multiplying the maximum of the left subarray with the minimum of the right subarray

Question Type : MCQ
Question ID : 4335766092
Option 1 ID : 43357624365
Option 2 ID : 43357624366
Option 3 ID : 43357624367
Option 4 ID : 43357624368
Status : Answered
Chosen Option : A

Q.86 The class of CFG is not closed under----

- Ans ☒ A. Concatenation
- ☒ B. Intersection
- ☒ C. Union
- ☒ D. Repeated Concatenation.

Question Type : MCQ
Question ID : 4335766300
Option 1 ID : 43357625197
Option 2 ID : 43357625198
Option 3 ID : 43357625199
Option 4 ID : 43357625200
Status : Answered
Chosen Option : B

Q.87 Which of the following is NOT a network topology?

- Ans ☒ A. Star
☒ B. Ring
☒ C. Disk
☒ D. Mesh

Question Type : MCQ
 Question ID : 4335766180
 Option 1 ID : 43357624717
 Option 2 ID : 43357624718
 Option 3 ID : 43357624719
 Option 4 ID : 43357624720
 Status : Answered
 Chosen Option : B

Q.88 Which implementation of a stack requires a fixed amount of memory allocated for a fixed number of elements?

- Ans ☒ A. Array implementation
☒ B. Linked implementation
☒ C. Dynamic implementation
☒ D. Static implementation

Question Type : MCQ
 Question ID : 4335766108
 Option 1 ID : 43357624429
 Option 2 ID : 43357624430
 Option 3 ID : 43357624431
 Option 4 ID : 43357624432
 Status : Answered
 Chosen Option : D

Q.89 The data structure used to represent the allocation status of main memory is known as:

- Ans ☒ A. Page table
☒ B. File allocation table
☒ C. Memory map
☒ D. Memory management unit

Question Type : MCQ
 Question ID : 4335766141
 Option 1 ID : 43357624561
 Option 2 ID : 43357624562
 Option 3 ID : 43357624563
 Option 4 ID : 43357624564
 Status : Answered
 Chosen Option : B

Q.90 What does the DOM represent in web development?

- Ans ☒ A. Database of Objects and Models
☒ B. Document Oriented Middleware
☒ C. Data Object Model
☒ D. Document Object Model

Question Type : MCQ
 Question ID : 4335766266
 Option 1 ID : 43357625061
 Option 2 ID : 43357625062
 Option 3 ID : 43357625063
 Option 4 ID : 43357625064
 Status : Answered
 Chosen Option : D

Q.91 The complement of a language will only be defined when and only when the _____ over the language is defined.

- Ans ☒ A. Alphabet
☒ B. Word
☒ C. String
☒ D. Grammar

Question Type : MCQ
 Question ID : 4335766293
 Option 1 ID : 43357625169
 Option 2 ID : 43357625170
 Option 3 ID : 43357625171
 Option 4 ID : 43357625172
 Status : Answered
 Chosen Option : A

Q.92 Which addressing mode involves specifying a value within the instruction itself, rather than referencing a memory location?

- Ans ☒ A. Direct addressing
☒ B. Immediate addressing
☒ C. Indirect addressing
☒ D. Indexed addressing

Question Type : MCQ
 Question ID : 4335766060
 Option 1 ID : 43357624237
 Option 2 ID : 43357624238
 Option 3 ID : 43357624239
 Option 4 ID : 43357624240
 Status : Answered
 Chosen Option : B

Q.93 In Excess-3 Code, why is the code considered self-complementing?

- Ans ☐ A. Because it can be converted to ASCII directly
- ☒ B. Because the 9's complement of each digit can be obtained by inverting its bits
- ☐ C. Because it is used for financial calculations
- ☐ D. Because it is a form of Gray code

Question Type : MCQ
Question ID : 4335766052
Option 1 ID : 43357624205
Option 2 ID : 43357624206
Option 3 ID : 43357624207
Option 4 ID : 43357624208
Status : Answered
Chosen Option : B

Q.94 Which attribute of the tag is used to set the background color of a web page ?

- Ans ☐ A. text
- ☒ B. bgcolor
- ☐ C. background
- ☐ D. color

Question Type : MCQ
Question ID : 4335766020
Option 1 ID : 43357624077
Option 2 ID : 43357624078
Option 3 ID : 43357624079
Option 4 ID : 43357624080
Status : Answered
Chosen Option : B

Q.95 The Internet of Things (IoT), access to real-time data, and the introduction of cyber-physical systems mark the big changes for this era.

- Ans ☐ A. Industrial Revolution
- ☐ B. 3rd Industrial Revolution
- ☒ C. Industry 4.0
- ☐ D. Manufacturing automation

Question Type : MCQ
Question ID : 4335766340
Option 1 ID : 43357625357
Option 2 ID : 43357625358
Option 3 ID : 43357625359
Option 4 ID : 43357625360
Status : Answered
Chosen Option : A

Q.96 Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?

- Ans ☒ A. DML (Data Manipulation Language)
☒ B. DDL (Data Definition Language)
☒ C. Query
☒ D. Relational Schema

Question Type : MCQ
 Question ID : 4335766156
 Option 1 ID : 43357624621
 Option 2 ID : 43357624622
 Option 3 ID : 43357624623
 Option 4 ID : 43357624624
 Status : Answered
 Chosen Option : A

Q.97 Which ZigBee device is used to transfer data between ZigBee devices?

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

Question Type : MCQ
 Question ID : 4335766337
 Option 1 ID : 43357625345
 Option 2 ID : 43357625346
 Option 3 ID : 43357625347
 Option 4 ID : 43357625348
 Status : Answered
 Chosen Option : C

Q.98 Which of the following is the base case for a recursive factorial function?

- Ans ☒ A. $n == 0$
☒ B. $n == 1$
☒ C. $n < 0$
☒ D. $n > 0$

Question Type : MCQ
 Question ID : 4335766114
 Option 1 ID : 43357624453
 Option 2 ID : 43357624454
 Option 3 ID : 43357624455
 Option 4 ID : 43357624456
 Status : Answered
 Chosen Option : B

Q.99 File manipulation operations in an operating system include:

- Ans ☒ A. Allocating memory to files
- ☒ B. Assigning file names to processes
- ☒ C. Loading files into CPU registers
- ☒ D. Reading, writing, and modifying file content

Question Type : MCQ
Question ID : 4335766126
Option 1 ID : 43357624501
Option 2 ID : 43357624502
Option 3 ID : 43357624503
Option 4 ID : 43357624504
Status : Answered
Chosen Option : D

Q.10 What does I stands for in CIA
0

- Ans ☒ A. Indian
- ☒ B. Individual
- ☒ C. Income
- ☒ D. Integrity

Question Type : MCQ
Question ID : 4335766394
Option 1 ID : 43357625573
Option 2 ID : 43357625574
Option 3 ID : 43357625575
Option 4 ID : 43357625576
Status : Answered
Chosen Option : B

Section : Part II

Q.10 The category of Audio -Visual Aids is:
1

- Ans ☒ A. Tape-recorder
- ☒ B. Television
- ☒ C. Radio
- ☒ D. All of these

Question Type : MCQ
Question ID : 4335764174
Option 1 ID : 43357616693
Option 2 ID : 43357616694
Option 3 ID : 43357616695
Option 4 ID : 43357616696
Status : Answered
Chosen Option : B

Q.10 The process of selecting units from a population to estimate characteristics of the
2 population is called

- Ans ☒ A. analyzing
☒ B. inference
☒ C. research
☒ D. sampling

Question Type : MCQ
Question ID : 4335764092
Option 1 ID : 43357616365
Option 2 ID : 43357616366
Option 3 ID : 43357616367
Option 4 ID : 43357616368
Status : Answered
Chosen Option : B

Q.10 The importance of curriculum in the system of education is just like a:
3

- Ans ☒ A. Preparation of students for service
☒ B. Constitution in a country
☒ C. Provision of latest knowledge
☒ D. None of these

Question Type : MCQ
Question ID : 4335764172
Option 1 ID : 43357616685
Option 2 ID : 43357616686
Option 3 ID : 43357616687
Option 4 ID : 43357616688
Status : Answered
Chosen Option : B

Q.10 Project-based activities is an example of
4

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

Question Type : MCQ
Question ID : 4335763732
Option 1 ID : 43357614925
Option 2 ID : 43357614926
Option 3 ID : 43357614927
Option 4 ID : 43357614928
Status : Answered
Chosen Option : C

Q.10 Rousseau has given the concept of Follow Nature. The meaning of this maxim is
5

- Ans ☒ A. to give full freedom to the teacher
- ☒ B. to regulate the education of a pupil according to his nature
- ☒ C. the teacher should follow his discretion
- ☒ D. knowledge should be given according to the teacher's nature

Question Type : MCQ
Question ID : 4335763430
Option 1 ID : 43357613717
Option 2 ID : 43357613718
Option 3 ID : 43357613719
Option 4 ID : 43357613720
Status : Answered
Chosen Option : B

Q.10 Who said "The assignment method is an important step in teaching and learning
6 process"?

- Ans ☒ A. Douglas
- ☒ B. Dewey
- ☒ C. Piaget
- ☒ D. S Morris

Question Type : MCQ
Question ID : 4335763599
Option 1 ID : 43357614393
Option 2 ID : 43357614394
Option 3 ID : 43357614395
Option 4 ID : 43357614396
Status : Answered
Chosen Option : A

Q.10 Freedom in education means
7

- Ans ☒ A. the spirit of opposing the rules of the school regularly
- ☒ B. the students will do anything they want
- ☒ C. one's own growth freely and the recognition of others freedom to grow similarly
- ☒ D. teachers are free to teach as they think

Question Type : MCQ
Question ID : 4335764047
Option 1 ID : 43357616185
Option 2 ID : 43357616186
Option 3 ID : 43357616187
Option 4 ID : 43357616188
Status : Answered
Chosen Option : C

Q.10 Full form of EATS model is
8

- Ans ☒ A. Essential questions, activity prior knowledge, teaching, summarizing & assessment
☒ B. Elements questions, activity prior knowledge, teaching and summarizing
☒ C. Experiential questions, activity prior knowledge, teaching, summarizing & assessment
☒ D. Essential questions, activity prior knowledge, teaching and summarizing

Question Type : MCQ
Question ID : 4335763842
Option 1 ID : 43357615365
Option 2 ID : 43357615366
Option 3 ID : 43357615367
Option 4 ID : 43357615368
Status : Answered
Chosen Option : A

Q.10 Drama or role play is most useful for teaching.....
9

- Ans ☒ A. History
☒ B. Science
☒ C. Maths
☒ D. Language

Question Type : MCQ
Question ID : 4335763662
Option 1 ID : 43357614645
Option 2 ID : 43357614646
Option 3 ID : 43357614647
Option 4 ID : 43357614648
Status : Answered
Chosen Option : A

Q.11 A teaching procedure involved in the clarification or explanation to the student of some
0 major idea is called

- Ans ☒ A. demonstration method
☒ B. lecture method
☒ C. story telling method
☒ D. problem solving method

Question Type : MCQ
Question ID : 4335763561
Option 1 ID : 43357614241
Option 2 ID : 43357614242
Option 3 ID : 43357614243
Option 4 ID : 43357614244
Status : Answered
Chosen Option : B

Q.11 Which one of the following statements about progressive education explains-Education
1 is life itself?

- Ans ☒ A. School education should continue as long as possible.
- ☒ B. Schools are not required, children can learn from their life experiences.
- ☒ C. Education in schools should reflect the social and natural world.
- ☒ D. Life is the true educator.

Question Type : MCQ
Question ID : 4335763917
Option 1 ID : 43357615665
Option 2 ID : 43357615666
Option 3 ID : 43357615667
Option 4 ID : 43357615668
Status : Answered
Chosen Option : A

Q.11 The practice of finding commonalities or fundamental connections across a range of
2 particular circumstances is known as -----

- Ans ☒ A. Abstraction
- ☒ B. Generalization
- ☒ C. Problem Solving
- ☒ D. Reasoning

Question Type : MCQ
Question ID : 4335763450
Option 1 ID : 43357613797
Option 2 ID : 43357613798
Option 3 ID : 43357613799
Option 4 ID : 43357613800
Status : Answered
Chosen Option : C

Q.11 Primary teacher should try to or concentrate in:
3

- Ans ☒ A. Raising intellectual standard of the students
- ☒ B. Improving physical standard of students
- ☒ C. Help all round development of students
- ☒ D. Inculcating value in students.

Question Type : MCQ
Question ID : 4335764252
Option 1 ID : 43357617005
Option 2 ID : 43357617006
Option 3 ID : 43357617007
Option 4 ID : 43357617008
Status : Answered
Chosen Option : A

Q.11 Students in primary classes have a lot of alternate conceptions in many topics like
4 living, non-living, water cycle, plants etc. The sources of these alternate conceptions can be
I. family and community.
II. textbooks and other books.
III. Leathers
IV. stories and poems.
Select the correct option given below

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

Question Type : MCQ
Question ID : 4335763649
Option 1 ID : 43357614593
Option 2 ID : 43357614594
Option 3 ID : 43357614595
Option 4 ID : 43357614596
Status : Answered
Chosen Option : D

Q.11 Effective teaching includes-
5

- Ans ☒ A. Teacher is active but students may or may not be active.
☒ B. Teacher may be active or inactive but students are active.
☒ C. Teacher is active and students are active.
☒ D. All the above

Question Type : MCQ
Question ID : 4335763470
Option 1 ID : 43357613877
Option 2 ID : 43357613878
Option 3 ID : 43357613879
Option 4 ID : 43357613880
Status : Answered
Chosen Option : C

Q.11 Creativity is thought to be related to the concept of-
6

- Ans ☒ A. fluid intelligence
☒ B. crystallized intelligence
☒ C. convergent thinking
☒ D. divergent thinking

Question Type : MCQ
Question ID : 4335763941
Option 1 ID : 43357615761
Option 2 ID : 43357615762
Option 3 ID : 43357615763
Option 4 ID : 43357615764
Status : Answered
Chosen Option : D

Q.11 Which one of the following is not a limitation of the preoperational thought?

7

- Ans ☒ A. Tendency to concentrate
- ☒ B. Development of the symbolic thought
- ☒ C. Egocentrism
- ☒ D. Irreversibility

Question Type : MCQ
Question ID : 4335763913
Option 1 ID : 43357615649
Option 2 ID : 43357615650
Option 3 ID : 43357615651
Option 4 ID : 43357615652
Status : Answered
Chosen Option : C

Q.11 Which of the following best describes a symposium?

8

- Ans ☒ A. A meeting of delegates from a fraternal organization
- ☒ B. A public meeting where a short course of study is addressed by a single expert
- ☒ C. A meeting where a small group of experts presents different aspects of a problem or topic to an audience
- ☒ D. A debate between two opposing teams

Question Type : MCQ
Question ID : 4335764278
Option 1 ID : 43357617109
Option 2 ID : 43357617110
Option 3 ID : 43357617111
Option 4 ID : 43357617112
Status : Answered
Chosen Option : C

Q.11 A child performing well in the class, must be

9

- Ans ☒ A. praised
- ☒ B. given reward
- ☒ C. recognised
- ☒ D. all of these

Question Type : MCQ
Question ID : 4335763478
Option 1 ID : 43357613909
Option 2 ID : 43357613910
Option 3 ID : 43357613911
Option 4 ID : 43357613912
Status : Answered
Chosen Option : A

Q.12 First, the students will make a prediction of what will happen in the story. Then the
0 students must make a list of the main events in the story. Lastly, I will write a review of
the story. What skills are being used?

- Ans ☒ A. Application, Synthesis, and Evaluation
☒ B. Comprehension, Knowledge, and Analysis
☒ C. Comprehension, Knowledge, and Evaluation
☒ D. Evaluation, Knowledge, and Synthesis

Question Type : MCQ
Question ID : 4335763505
Option 1 ID : 43357614017
Option 2 ID : 43357614018
Option 3 ID : 43357614019
Option 4 ID : 43357614020
Status : Answered
Chosen Option : B

Q.12 You want to adopt the teaching profession because
1

- Ans ☒ A. there are many others in your family who are teachers
☒ B. there is no other option to earn a livelihood
☒ C. children give more respect and reverence
☒ D. you get an opportunity to handle/ train the future citizens of the nation

Question Type : MCQ
Question ID : 4335764039
Option 1 ID : 43357616153
Option 2 ID : 43357616154
Option 3 ID : 43357616155
Option 4 ID : 43357616156
Status : Answered
Chosen Option : D

Q.12 Areas/sources of information for psychological foundation are:
2

- Ans ☒ A. Learning process
☒ B. Teaching method
☒ C. Student characteristics
☒ D. All of these

Question Type : MCQ
Question ID : 4335764218
Option 1 ID : 43357616869
Option 2 ID : 43357616870
Option 3 ID : 43357616871
Option 4 ID : 43357616872
Status : Answered
Chosen Option : A

Q.12 Which of the following is the objective of a teacher?

3

- Ans ☒ A. To gain possible maximum fame
- ☒ B. To extend the welfare of students to the possible maximum limit
- ☒ C. To teach the possible maximum number of students
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335764008
Option 1 ID : 43357616029
Option 2 ID : 43357616030
Option 3 ID : 43357616031
Option 4 ID : 43357616032
Status : Answered
Chosen Option : B

Q.12 Which statement is not true about planning of teaching?

4

- Ans ☒ A. Teacher should know about content
- ☒ B. Teacher become aggressive in class
- ☒ C. Plans ways of providing regular meaningful feedback to students.
- ☒ D. Decide upon/order textbooks(s), copies of articles, etc. which will be required.

Question Type : MCQ
Question ID : 4335763831
Option 1 ID : 43357615321
Option 2 ID : 43357615322
Option 3 ID : 43357615323
Option 4 ID : 43357615324
Status : Answered
Chosen Option : B

Q.12 The purpose of integrated curriculum is:

5

- Ans ☒ A. Increase in no. of books
- ☒ B. Decrease in no. of books
- ☒ C. Increases in students enrolment
- ☒ D. Decrease in dropout

Question Type : MCQ
Question ID : 4335764210
Option 1 ID : 43357616837
Option 2 ID : 43357616838
Option 3 ID : 43357616839
Option 4 ID : 43357616840
Status : Answered
Chosen Option : A

Q.12 You have a mixed class of boys and girls. Which method would you adopt to improve
6 co-operation between them?

- Ans ☒ A. Asking parents to discuss equality
☒ B. Making boys and girls share a bench
☒ C. Setting tasks which have to be done together
☒ D. Talking about equality in lessons

Question Type : MCQ
Question ID : 4335764300
Option 1 ID : 43357617197
Option 2 ID : 43357617198
Option 3 ID : 43357617199
Option 4 ID : 43357617200
Status : Answered
Chosen Option : B

Q.12 The method for the acquisition of teaching skill is
7

- Ans ☒ A. Inquiry learning
☒ B. Team teaching
☒ C. Discovery learning
☒ D. Micro teaching

Question Type : MCQ
Question ID : 4335763741
Option 1 ID : 43357614961
Option 2 ID : 43357614962
Option 3 ID : 43357614963
Option 4 ID : 43357614964
Status : Answered
Chosen Option : A

Q.12 Is micro teaching real teaching?
8

- Ans ☒ A. Yes
☒ B. no
☒ C. Both yes and no from different perspectives
☒ D. Can't say anything.

Question Type : MCQ
Question ID : 4335763760
Option 1 ID : 43357615037
Option 2 ID : 43357615038
Option 3 ID : 43357615039
Option 4 ID : 43357615040
Status : Answered
Chosen Option : C

Q.12 Basic education should be
9

- Ans ☒ A. student oriented
☒ B. activity oriented
☒ C. project oriented
☒ D. all of these

Question Type : MCQ
Question ID : 4335764018
Option 1 ID : 43357616069
Option 2 ID : 43357616070
Option 3 ID : 43357616071
Option 4 ID : 43357616072
Status : Answered
Chosen Option : B

Q.13 Story telling enables the teacher to make lessons
0

- Ans ☒ A. boring
☒ B. complicated
☒ C. a burden for students
☒ D. lively and interesting to the pupils

Question Type : MCQ
Question ID : 4335763577
Option 1 ID : 43357614305
Option 2 ID : 43357614306
Option 3 ID : 43357614307
Option 4 ID : 43357614308
Status : Answered
Chosen Option : D

Section : Part III

Q.13 In any code GROUND is written as HQPTOC then what will be TIRED written in that
1 code?

- Ans ☒ A. UHSDE
☒ B. VHSDE
☒ C. UHSDC
☒ D. UHQFC

Question Type : MCQ
Question ID : 4335764879
Option 1 ID : 43357619513
Option 2 ID : 43357619514
Option 3 ID : 43357619515
Option 4 ID : 43357619516
Status : Answered
Chosen Option : B

Q.13 What is the term for a market condition where supply exceeds demand?

2

- Ans ☒ A. Shortage
- ☒ B. Surplus
- ☒ C. Equilibrium
- ☒ D. Deficit

Question Type : MCQ
Question ID : 4335764416
Option 1 ID : 43357617661
Option 2 ID : 43357617662
Option 3 ID : 43357617663
Option 4 ID : 43357617664
Status : Answered
Chosen Option : A

Q.13 Khudai Khidmatgars were popularly known as the _____

3

- Ans ☒ A. Green Shirts
- ☒ B. Red Shirts
- ☒ C. Black Shirts
- ☒ D. White Shirts

Question Type : MCQ
Question ID : 4335764356
Option 1 ID : 43357617421
Option 2 ID : 43357617422
Option 3 ID : 43357617423
Option 4 ID : 43357617424
Status : Answered
Chosen Option : B

Q.13 To kill fungus on crops we generally used.....

4

- Ans ☒ A. Insecticides
- ☒ B. Pesticides
- ☒ C. Fungicides
- ☒ D. All of these

Question Type : MCQ
Question ID : 4335764655
Option 1 ID : 43357618617
Option 2 ID : 43357618618
Option 3 ID : 43357618619
Option 4 ID : 43357618620
Status : Answered
Chosen Option : C

Q.13 For some people, playing is actually work. Below are some names of famous people,
5 Pick the name whose work is actually playing.

- Ans ☒ A. Ajeet Yogi
☒ B. Michael Jordan
☒ C. Jack Nicholson
☒ D. Steve Jobs

Question Type : MCQ
Question ID : 4335764533
Option 1 ID : 43357618129
Option 2 ID : 43357618130
Option 3 ID : 43357618131
Option 4 ID : 43357618132
Status : Answered
Chosen Option : B

Q.13 Choose the correct option instead of the question mark in the given question.
6

GOA : 761 :: KAIMUR : ?

- Ans ☒ A. 119439
☒ B. 219339
☒ C. 219439
☒ D. 218349

Question Type : MCQ
Question ID : 4335764842
Option 1 ID : 43357619365
Option 2 ID : 43357619366
Option 3 ID : 43357619367
Option 4 ID : 43357619368
Status : Answered
Chosen Option : C

Q.13 What will come in place of ? in the sequence 3, 14, 39, 84, ?, 258?
7

- Ans ☒ A. 150,
☒ B. 155
☒ C. 160
☒ D. 176

Question Type : MCQ
Question ID : 4335764816
Option 1 ID : 43357619261
Option 2 ID : 43357619262
Option 3 ID : 43357619263
Option 4 ID : 43357619264
Status : Answered
Chosen Option : B

Q.13 Meena divides a number by 2. She then divides the answer by 2. This is the same as
8 dividing the original number by:

Ans ☒ A. 4

☒ B. 3

☒ C. 2

☒ D. 1

Question Type : MCQ

Question ID : 4335764717

Option 1 ID : 43357618865

Option 2 ID : 43357618866

Option 3 ID : 43357618867

Option 4 ID : 43357618868

Status : Answered

Chosen Option : A

Q.13 A class VI mathematics teacher posed the following problem to her students:

9 "In a morning walk, three persons started together. Their steps measure 70 cm , 85 cm and 95 cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?"

Which of the following concepts would be required to solve the given problem?

Ans ☒ A. Concept of LCM

☒ B. Concept of division

☒ C. Concept of proportion

☒ D. Concept of HCF

Question Type : MCQ

Question ID : 4335764775

Option 1 ID : 43357619097

Option 2 ID : 43357619098

Option 3 ID : 43357619099

Option 4 ID : 43357619100

Status : Answered

Chosen Option : B

Q.14 Out of 60 people in a colony, 10 speak only Bengali, 5 speak only Assamese, 10 speak
0 both Hindi and Odia, 12 speak both Marathi and Hindi, 13 speak English, Tamil and Marathi, 5 speak both Assamese and Hindi and the remaining speak both Bengali and Hindi.

How many people speak more than one language?

Ans ☒ A. 15

☒ B. 45

☒ C. 50

☒ D. 55

Question Type : MCQ

Question ID : 4335764965

Option 1 ID : 43357619857

Option 2 ID : 43357619858

Option 3 ID : 43357619859

Option 4 ID : 43357619860

Status : Answered

Chosen Option : B

Q.14 Pravin walked 30 metres towards East, took a right turn and walked 20 metres, again
1 took a right turn and walked 30 metres. How far was he from the starting point?

- Ans ☒ A. 50 m.
☒ B. 40 m.
☒ C. 10 m.
☒ D. 20 m.

Question Type : MCQ
Question ID : 4335764909
Option 1 ID : 43357619633
Option 2 ID : 43357619634
Option 3 ID : 43357619635
Option 4 ID : 43357619636
Status : Answered
Chosen Option : D

Q.14 The statement related to the congruence of a triangle – “Given the length of any two
2 sides and the length of these sides and the measure of the angle between these sides”
– is a restriction/condition.

- Ans ☒ A. SSS
☒ B. S.A.S.
☒ C. ASA
☒ D. RHS

Question Type : MCQ
Question ID : 4335764663
Option 1 ID : 43357618649
Option 2 ID : 43357618650
Option 3 ID : 43357618651
Option 4 ID : 43357618652
Status : Answered
Chosen Option : B

Q.14 The number of Bricks each measuring 25 cm x 12.5 cm x 7.5 cm required to construct a
3 wall 6 m Long, 5 m High, and 0.5 m Thick, While the Mortar occupies 5 Percent of the
Volume of the Wall is?

- Ans ☒ A. 8819
☒ B. 6080
☒ C. 9011
☒ D. 2019

Question Type : MCQ
Question ID : 4335764731
Option 1 ID : 43357618921
Option 2 ID : 43357618922
Option 3 ID : 43357618923
Option 4 ID : 43357618924
Status : Answered
Chosen Option : B

Q.14 India is divided into how many pin code zones?

4

- Ans ☒ A. Six
☒ B. Seven
☒ C. Eight
☒ D. Ten

Question Type : MCQ
 Question ID : 4335764602
 Option 1 ID : 43357618405
 Option 2 ID : 43357618406
 Option 3 ID : 43357618407
 Option 4 ID : 43357618408
 Status : Answered
 Chosen Option : A

Q.14 Which of the following is not an outdoor game?

5

- Ans ☒ A. Football
☒ B. capture the flag
☒ C. Uno
☒ D. Frisbee

Question Type : MCQ
 Question ID : 4335764511
 Option 1 ID : 43357618041
 Option 2 ID : 43357618042
 Option 3 ID : 43357618043
 Option 4 ID : 43357618044
 Status : Answered
 Chosen Option : D

Q.14 Mahendragiri, the highest peak of the Eastern Ghats, is located in which one of the following states?

6

- Ans ☒ A. Andhra Pradesh
☒ B. Odisha
☒ C. Telangana
☒ D. Tamil Nadu

Question Type : MCQ
 Question ID : 4335764399
 Option 1 ID : 43357617593
 Option 2 ID : 43357617594
 Option 3 ID : 43357617595
 Option 4 ID : 43357617596
 Status : Answered
 Chosen Option : A

Q.14 Plants manufacture their food with the help of.....
7

- Ans ☒ A. Oxygen, Sunlight, Water
☒ B. Carbon dioxide , Oxygen, Sunlight
☒ C. Water, Sunlight, Carbon dioxide
☒ D. Oxygen, Sunlight

Question Type : MCQ
 Question ID : 4335764575
 Option 1 ID : 43357618297
 Option 2 ID : 43357618298
 Option 3 ID : 43357618299
 Option 4 ID : 43357618300
 Status : Answered
 Chosen Option : B

Q.14 Arrange the following in their chronological sequence :
8

- i. Cripps Mission
 ii. Montague Chelmsford Report
 iii. Simon Commission
 iv. Morley – Minto Reforms

- Ans ☒ A. ii, iii, i, iv
☒ B. iv, ii, iii, i
☒ C. iii, i, ii, iv
☒ D. i, iv, iii, ii

Question Type : MCQ
 Question ID : 4335764437
 Option 1 ID : 43357617745
 Option 2 ID : 43357617746
 Option 3 ID : 43357617747
 Option 4 ID : 43357617748
 Status : Answered
 Chosen Option : C

Q.14 In the alphabet how many Letters will be in between 10th and 24th Letter form the left
9 end ?

- Ans ☒ A. 13
☒ B. 14
☒ C. 17
☒ D. 18

Question Type : MCQ
 Question ID : 4335764918
 Option 1 ID : 43357619669
 Option 2 ID : 43357619670
 Option 3 ID : 43357619671
 Option 4 ID : 43357619672
 Status : Answered
 Chosen Option : A

Q.15 Which of the following types of natural disasters has no definite beginning and end ?
0

- Ans ☒ A. Earthquakes
☒ B. Landslides
☒ C. Hurricanes
☒ D. Droughts

Question Type : MCQ

Question ID : 4335764496

Option 1 ID : 43357617981

Option 2 ID : 43357617982

Option 3 ID : 43357617983

Option 4 ID : 43357617984

Status : Answered

Chosen Option : A

