CUET UG - 2022
(CANDIDATE RESPONSE SHEET)

Paper/Subject   COMPUTER SCIENCE/INFORMATICS PRACTICES
Exam Date   23 Aug 2022
Exam Slot   1

Question ID:714851
Section Name:COMPULSORY
Question:
In view of exception handling which of the following is/are false:

A. Syntax errors are also handled as exception
B. An exception is caught in the try block and handled in the except block
C. Raise and assert statements are used to handle the exception
D. A program can start execution before syntax error rectification
E. Finally clause should always be placed at the end of try, exception and else block

Choose the correct answer from the options given below:

A   B and C only

B   C and D only

C   D and E only

D   A and D only

Answer Given By Candidate:**D**

Question ID:714852
Section Name:COMPULSORY
Question:
Which of the following function returns the number of characters written in the file?

A   write()

B   writelines()

C   writeline()

D   Writetext()

Answer Given By Candidate:**A**

Question ID:714853
Section Name:COMPULSORY

Question:
Match list I with list II

List I	List II
A. NameError	I. Specified file in program statement cannot be opened
B. ImportError	II. Local/ Global variable name is not defined
C. IOError	III. Requested module definition is not found
D. TypeError	IV. Incorrect value of datatype supplied to operator.

Choose the correct answer from the option given below:

A   A-II, B- III, C-IV, D-I

B   A-II, B- III, C-I, D-IV

C   A-III, B- II, C-IV, D-I

D   A-III, B- II, C-I, D-IV

Answer Given By Candidate:**B**

Question ID:714854
Section Name:COMPULSORY
Question:
Which of the following is not a function used to read data from a text file?

A   read()

B   readline()

C   readstatement()

D   readlines()

Answer Given By Candidate:**C**

Question ID:714855
Section Name:COMPULSORY
Question:
The number of attributes in a relation is called

A   Tuple

B   Domain

C   Degree

D   Cardinality

Answer Given By Candidate:**D**

Question ID:714856
Section Name:COMPULSORY
Question:
Value of primary key in database table must be

A   NULL

B   NOT NULL

C   Numeric only

D   Non-Unique

Answer Given By Candidate:**B**

Question ID:714857
Section Name:COMPULSORY
Question:
An RDBMS is a collection of

A   Rows

B   Columns

C   Logically related records

D   Data

Answer Given By Candidate:**C**

Question ID:714858
Section Name:COMPULSORY
Question:
Which is used to eliminate repetition and display the values once in SQL

A   UPDATE

B   DISTINCT

C   ALTER

D   DROP

Answer Given By Candidate:**B**

Question ID:714859
Section Name:COMPULSORY
Question:
Which one of the following is a function of DBMS?

A   Storing data

B   Data Integrity
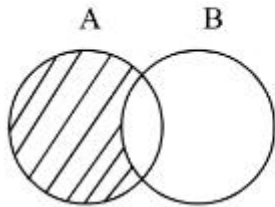
C   Data Security

D All of the above

Answer Given By Candidate:**D**

Question ID:7148510
Section Name:COMPULSORY
Question:
Which of the following operation is represented by the shaded region in the given figure?

A $A \cup B$

B $A \cap B$

C $A - B$

D $B - A$

Answer Given By Candidate:**C**

Question ID:7148511
Section Name:COMPULSORY
Question:
Which one is not considered as aggregate function?

A MAX (column)

B MIN (column)

C COUNT(*)

D DATE ()

Answer Given By Candidate:**D**

Question ID:7148512
Section Name:COMPULSORY

Question:
Match list I with list II

List I	List II
A. URI	I. Converts domain names to corresponding IP address
B. DNS	II. Unique path for each resource on the web
C. Gateway	III. Connects local area network to the internet
D. Router	IV. Works as entry and exit point of a network

Choose the correct answer from the option given below:

A   A-II, B- I, C-IV, D-III

B   A-II, B- III, C-IV, D-I

C   A-III, B- II, C-IV, D-I

D   A-I, B- II, C-III, D-IV

Answer Given By Candidate:**A**

Question ID:7148513
Section Name:COMPULSORY
Question:
Which of the following can be utilised for the identification of the nodes in a networked communication

A   Gateway and Router

B   Repeater and Switch

C   Topology and Switch

D   MAC Address and IP address

Answer Given By Candidate:**D**

Question ID:7148514
Section Name:COMPULSORY
Question:
A wired network can be set up with the help of a network adapter, called as _____

    A. Ethernet card
    B. Network Interface Card
    C. Router
    D. Repeater

Choose the correct answer from the option given below:

A   C and D

B   A and B

C   B and C

D   A and D

Answer Given By Candidate:**B**

Question ID:7148515
Section Name:COMPULSORY
Question:
Physical arrangement of nodes in a network is

A   Routing

B   Control

C   Topology

D   Networking

Answer Given By Candidate:**C**

Question ID:7148516
Section Name:COMPUTER SCIENCE
Question:
Zero division Error is raised

A   when the requested module definition is not found

B   when the end of life condition is reached

C   when the denominator in a division operation is zero

D   when global variable name is not defined

Answer Given By Candidate:**C**

Question ID:7148517
Section Name:COMPUTER SCIENCE
Question:
Match list I with list II

List I	List II
A. seek()	I. This method is used to write the object in a binary file
B. dump()	II. This method is used to position the file object at a particular position in a file
C. write()	III. This method is used to load data from a binary file
D. load()	IV. This method takes a string as an argument and writes it to text file

Choose the correct answer from the option given below:

A A-IV, B- II, C-I, D-III

B A-I, B- II, C-IV, D-III

C A-II, B- I, C-IV, D-III

D A-IV, B- II, C-III, D-I

Answer Given By Candidate:**C**

Question ID:7148518
Section Name:COMPUTER SCIENCE
Question:
Match list I with list II

List I	List II
A. open file in mode<a>	I. File offset position is at the beginning of the file
B. open file in mode<w>	II. If the file already exists, all the contents will be overwritten
C. open file in mode<r>	III. Opens the file in binary and read only mode
D. open file in mode<rb>	IV. Append mode

Choose the correct answer from the option given below:

A A-I, B- II, C-III, D-IV

B A-IV, B- II, C-I, D-III

C A-II, B- III, C-IV, D-I

D A-III, B- IV, C-I, D-II

Answer Given By Candidate:**B**

Question ID:7148519
Section Name:COMPUTER SCIENCE
Question:
The module used for serializing and de-serializing any Python object structure is called ?

A Data module

B Object module

C Pickle module

D Dump module

Answer Given By Candidate:**Not Attempted**

Question ID:7148520
Section Name:COMPUTER SCIENCE
Question:
Raise statement can be used to

A   Throw an exception

B   Error detection

C   Error correction

D   Declare variable

Answer Given By Candidate:**Not Attempted**

Question ID:7148521
Section Name:COMPUTER SCIENCE
Question:
Which of the following data structure may used to reverse a string?

A   Queue

B   Dequeue

C   Stack

D   Stack and Dequeue

Answer Given By Candidate:**D**

Question ID:7148522
Section Name:COMPUTER SCIENCE
Question:
Convert Infix notation (a+b) * (c+d) to postfix notation.

A   ab + cd + *

B   ab + * cd +

C   a+ b * c + d

D   a * bc + d +

Answer Given By Candidate:**Not Attempted**

Question ID:7148523
Section Name:COMPUTER SCIENCE

Question:
Which of the following is linear data structure

    A. Stack
    B. Tree
    C. Graph
    D. Linked list
    E. Queue

Choose the correct answer from the option given below:

A A,B only

B C, D only

C A,B,E only

D A,D,E only

Answer Given By Candidate:**D**

Question ID:7148524
Section Name:COMPUTER SCIENCE
Question:
Which of the following is a non-linear data structure

    A. Linked list
    B. Array
    C. Graph
    D. Tree
    E. Queue

Choose the correct answer from the option given below:

A A, B only

B B, C only

C C, D only

D B,C,D only

Answer Given By Candidate:**Not Attempted**

Question ID:7148525
Section Name:COMPUTER SCIENCE
Question:
Which operation is used to remove the top most element of the stack

A PUSH

B POP

C TOP

D DELETE

Answer Given By Candidate:**B**

Question ID:7148526
Section Name:COMPUTER SCIENCE
Question:
The removal of an element from a queue is called

A Push

B Pop

C Enqueue

D Dequeue

Answer Given By Candidate:**D**

Question ID:7148527
Section Name:COMPUTER SCIENCE
Question:
A user tries to remove an element from empty queue, it is called

A Underflow

B Empty collection

C Overflow

D Garbage collection

Answer Given By Candidate:**A**

Question ID:7148528
Section Name:COMPUTER SCIENCE
Question:
Which one is not the type of queue?

A Priority queue

B Double Ended Queue

C Circular queue

D Enqueue

Answer Given By Candidate:**D**

Question ID:7148529
Section Name:COMPUTER SCIENCE
Question:
The Quadratic time algorithms have loop within loop which makes their time complexity given as

A n

B n^3

C n^2

D $(n + 1)$

Answer Given By Candidate:**Not Attempted**

Question ID:7148530
Section Name:COMPUTER SCIENCE
Question:
The algorithm with time complexity as 'n' are known as _____

A Constant time Algorithms

B Linear time Algorithms

C Complex time Algorithms

D Quadratic time Algorithms

Answer Given By Candidate:**C**

Question ID:7148531
Section Name:COMPUTER SCIENCE
Question:
The performance of an algorithm with increased input, is assessed with which of the following:-

A Insertion Capacity

B Scalability Analysis

C Complexity Analysis

D Implementainability

Answer Given By Candidate:**Not Attempted**

Question ID:7148532
Section Name:COMPUTER SCIENCE
Question:
Insertion sort places the element of a list at _____ in each pass.

A First place

B Last place

C Suitable place

D Swapped place

Answer Given By Candidate:**Not Attempted**

Question ID:7148533
Section Name:COMPUTER SCIENCE
Question:
Which of the following is/are not statistical technique for data summarization

A. Mean
B. Median
C. Standard deviation
D. Standard variation
E. Range

Choose the correct answer from the option given below:

A   A,B and C only

B   B and E only

C   C only

D   D only

Answer Given By Candidate:**C**

Question ID:7148534
Section Name:COMPUTER SCIENCE
Question:
Relational database is a collection of

A   Data

B   Tables

C   Rows

D   Columns

Answer Given By Candidate:**B**

Question ID:7148535
Section Name:COMPUTER SCIENCE
Question:
Database Management System (DBMS) is a software

A. to create databases
B. to manage databases
C. to store databases
D. to maintain databases
E. to execute databases

Choose the correct answer from the option given below:

A   B, D only

B

A, D only

C   B, C only

D   A, B only

Answer Given By Candidate:**B**

Question ID:7148536
Section Name:COMPUTER SCIENCE
Question:
Which of the following is not associated with Relational Data Model?

   A. Attribute
   B. Tuple
   C. Object
   D. Domain
   E. Document

Choose the correct answer from the option given below:

A   A and B only

B   C and E only

C   B and D only

D   A and D only

Answer Given By Candidate:**B**

Question ID:7148537
Section Name:COMPUTER SCIENCE
Question:
How many column in a database table can be made candidate key.

A   4

B   2

C   more than 1

D   3

Answer Given By Candidate:**C**

Question ID:7148538
Section Name:COMPUTER SCIENCE

Question:
Match list I with list II

List I	List II
A. LIKE operator	I. Eliminates repetition and display values only once.
B. DISTINCT clause	II. Used for pattern matching
C. UPDATE statement	III. Gives range of values inclusive of boundary values
D. BETWEEN operator	IV. Modifies data in table

Choose the correct answer from the option given below:

A   A-I, B- II, C-IV, D-III

B   A-II, B- I, C-IV, D-III

C   A-I, B- IV, C-III, D-II

D   A-I, B- II, C-III, D-IV

Answer Given By Candidate:**B**

Question ID:7148539
Section Name:COMPUTER SCIENCE
Question:
Choose the correct output of the given query
SELECT MOD(21,2);

A   2

B   4

C   3

D   1

Answer Given By Candidate:**Not Attempted**

Question ID:7148540
Section Name:COMPUTER SCIENCE

Question:

Match list I with list II

List I	List II
A. TRIM (string)	I. Returns the given string after removing trailing white space characters
B. LENGTH (string)	II. Returns the string after removing both leading and trailing white space characters
C. RTRIM(string)	III. Returns string after removing leading white space characters
D. LTRIM(string)	IV. Returns the number of characters in the string

Choose the correct answer from the option given below:

A   A-II, B-I, C-IV, D-III

B   A-II, B-IV, C-I, D-III

C   A-IV, B-II, C-III, D-I

D   A-I, B-II, C-III, D-IV

Answer Given By Candidate:**B**

Question ID:7148541
Section Name:COMPUTER SCIENCE
Question:

When two element map to the same slot in the hash table, it is called ___

A   Resolution

B   Comparision

C   Collision

D   Swapping

Answer Given By Candidate:**C**

Question ID:7148542
Section Name:COMPUTER SCIENCE

Question:
Which of the following is false about Binary search

    A. Binary search uses the ordering of elements to search a key
    B. Ordering can be done in ascending or descending order for numerical data
    C. In binary search, term comparision is used instead of iteration
    D. In binary search, textual data can be arranged alphabetically staring from a to
       z or z to a

Choose the correct answer from the option given below:

A   A only

B   A, B only

C   C only

D   B, D only

Answer Given By Candidate:**Not Attempted**

Question ID:7148543
Section Name:COMPUTER SCIENCE
Question:
Which of the following technique can be used to know the presence of a key in a
list in just one step

A   Binary search

B   Linear search

C   Search by position

D   Search by Hashing

Answer Given By Candidate:**Not Attempted**

Question ID:7148544
Section Name:COMPUTER SCIENCE
Question:
DNS servers are placed in which of the following order:

A   Alphabetic order

B   Hierarchical order

C   Ascending order

D   Descending order

Answer Given By Candidate:**B**

Question ID:7148545
Section Name:COMPUTER SCIENCE

Question:
Match list I with list II

List I	List II
A. Modem	I. Connects computer to the network
B. Ethernet cable	II. Converts between analog signals and digital signals
C. Switch	III. Regenerates weak signals on the cable
D. Repeater	IV. Connects multiple computers

Choose the correct answer from the option given below:

A   A-II, B-I, C-IV, D-III

B   A-I, B-II, C-IV, D-III

C   A-I, B-III, C-II, D-IV

D   A-III, B-IV, C-I, D-II

Answer Given By Candidate:**A**

Question ID:7148546
Section Name:COMPUTER SCIENCE
Question:
Which of the following topology has multiple branches and each branch has one or more topology like star, ring and bus

A   Mesh Topology only

B   Ring and Mesh both

C   Hybrid topology only

D   Star and Mesh both

Answer Given By Candidate:**C**

Question ID:7148547
Section Name:COMPUTER SCIENCE
Question:
WAN stands for which of the following:-

A   World Area Network

B   Wi-Fi Area Network

C   Wide Area Network

D   Wep Area Network

Answer Given By Candidate:**C**

Question ID:7148548
Section Name:COMPUTER SCIENCE
Question:
Which of the following operation is performed by the given query

SELECT MIN(Price) FROM INVENTORY;

A   Returns the low value from the specified column

B   Returns the smallest value from specified column

C   Returns the largest value from specified column

D   Returns the smallest number of records from the table

Answer Given By Candidate:**D**

Question ID:7148549
Section Name:COMPUTER SCIENCE
Question:
Which of the following are examples of multiple row functions?

A. Max()
B. Min()
C. Avg()
D. String
E. Date

Choose the correct answer from the option given below:

A   A, B and C only

B   D, E only

C   B and E only

D   C and D only

Answer Given By Candidate:**A**

Question ID:7148550
Section Name:COMPUTER SCIENCE
Question:
A : GROUP By function is used to group rows of a table that contains the same value in a specified column

B : JOIN is an operation which is used to combine column from two or more tables based on one or more common fields between them

For A and B, choose the correct option

A   A and B both are true

B   A is true but B is false

C   A is false but B is true

D   A and B both are false

Answer Given By Candidate:**B**