

CUET UG - 2022  
(CANDIDATE RESPONSE SHEET)

Paper/Subject      COMPUTER SCIENCE/INFORMATICS PRACTICES  
Exam Date          30 Aug 2022  
Exam Slot          2

**Question ID:**715381

**Section Name:**COMPULSORY

**Question:**

What will be the output of following expression in python?

$4 + 3 \% 5$

A 4

B 7

C 5

D 6

Answer Given By Candidate:**Not Attempted**

**Question ID:**715382

**Section Name:**COMPULSORY

**Question:**

The language which is used to design standardised web pages is

A. HTML

B. HTTP

C. FTP

D. URL

E. WWW

Choose the correct answer from the options given below:

A B Only

B C, D Only

C A Only

D D, E Only

Answer Given By Candidate:**C**

**Question ID:**715383

**Section Name:**COMPULSORY

**Question:**

The Topology in which each node is connected with every other node is called:

- A. Bus topology
- B. Ring topology
- C. Star topology
- D. Mesh topology
- E. Hybrid topology

Choose the correct answer from the options given below:

- A A, E Only
- B B Only
- C C Only
- D D Only

Answer Given By Candidate: **C**

**Question ID:715384**

**Section Name:COMPULSORY**

**Question:**

An analog device that regenerate the signals on the cables to which it is connected is called

- A. Switch
- B. Repeater
- C. Modem
- D. Ethernet Card
- E. Gateway

- A A Only
- B B Only
- C C, D Only
- D E Only

Answer Given By Candidate: **C**

**Question ID:715385**

**Section Name:COMPULSORY**

**Question:**

RJ 45 connector used with ethernet cables is having

- A. 4 pin
- B. 8 pin
- C. 12 pin
- D. 24 pin
- E. 28 pin

- A A Only
- B B Only
- C C, D Only
- D E Only

Answer Given By Candidate: **Not Attempted**

**Question ID:715386**

**Section Name:COMPULSORY**

**Question:**

UCASE (string) function

- A. Converts string into lowercase
- B. Converts string into uppercase
- C. Converts a substring
- D. Returns N number of characters
- E. Returns the postion of characters

Choose the correct answer from the options given below:

- A A Only
- B B Only
- C D Only
- D C, E Only

Answer Given By Candidate: **B**

**Question ID:715387**

**Section Name:COMPULSORY**

**Question:**

The degree of a relation is defined by

- A. Number of rows
- B. Number of columns
- C. Number of Datatypes
- D. Number of Strings
- E. Number of characters

Choose the correct answer from the options given below:

- A D Only
- B E Only
- C B Only
- D A, C Only

Answer Given By Candidate:**Not Attempted**

**Question ID:715388**

**Section Name:COMPULSORY**

**Question:**

Not Null constraint ensures that column

- A. Cannot have Null values
- B. Can have Null values
- C. Can have Unique values
- D. Must have fixed length values
- E. Can have fixed length value

Choose the correct answer from the options given below:

- A B Only
- B A Only
- C C, D Only
- D E Only

Answer Given By Candidate:**A**

**Question ID:715389**

**Section Name:COMPULSORY**

**Question:**

LIKE operator is used for

- A. Pattern matching
- B. Joining columns
- C. Aggregating column values
- D. Subtracting values
- E. For calculating Avg value

Choose the correct answer from the options given below:

- A A Only
- B C, A Only
- C D, B Only
- D B, E Only

Answer Given By Candidate:**D**

**Question ID:7153810**

**Section Name:COMPULSORY**

**Question:**

Each row of data in a relation(table) is called:

- A. Domain
- B. Degree
- C. Attribute
- D. Cardinality
- E. Tuple

Choose the correct answer from the options given below:

- A B Only
- B D Only
- C A, C only
- D E Only

Answer Given By Candidate:C

**Question ID:7153811**

**Section Name:COMPULSORY**

**Question:**

SQL stands for

- A. Structured question language
- B. Structured query language
- C. Non Structured query language
- D. Semi Structured query language
- E. Structured query laboratory

Choose the correct answer from the options given below:

- A A Only
- B B, E Only
- C B Only
- D C, D Only

Answer Given By Candidate:C

**Question ID:7153812**

**Section Name:COMPULSORY**

**Question:**

Data about the data called:

- A. Meta Data
- B. Simple Data
- C. Digital Data
- D. Complex Data
- E. Data Dictionary

Choose the correct answer from the options given below:

- A A Only
- B B, C Only
- C D Only
- D A, E Only

Answer Given By Candidate: **D**

**Question ID:7153813**

**Section Name:COMPULSORY**

**Question:**

In relational model, tables are called:

- A. Tuple
- B. Domain
- C. Relations
- D. Attribute
- E. Cardinality

Choose the correct answer from the options given below:

- A A Only
- B D Only
- C B, E Only
- D C Only

Answer Given By Candidate: **C**

**Question ID:7153814**

**Section Name:COMPULSORY**



**Question:**

Which method takes a String as an argument and write it to the text file

- A. writelines( )
- B. open( )
- C. read( )
- D. write( )
- E. seek( )

Choose the correct answer from the options given below:

- A B, C Only
- B E Only
- C D Only
- D A Only

Answer Given By Candidate: **A**

**Question ID:7153815**

Section Name:COMPULSORY

**Question:**

Error raised in the syntax of python code is known as:

- A. Value Error
- B. Index Error
- C. Syntax Error
- D. Type Error
- E. EOF Error

Choose the correct answer from the options given below:

- A A, B Only
- B C Only
- C B Only
- D D, E Only

Answer Given By Candidate: **B**

**Question ID:7153851**

Section Name:INFORMATICS PRACTICES

**Question:**

Data which is organised and can be recorded in a well defined format is called:

- A Unstructured data
- B Structured data
- C Semi-structured data

**D Organised data**

Answer Given By Candidate:**B**

**Question ID:7153852**

**Section Name:INFORMATICS PRACTICES**

**Question:**

In a given relation the number of primary key is:

- A 2
- B 1
- C 4
- D 3

Answer Given By Candidate:**B**

**Question ID:7153853**

**Section Name:INFORMATICS PRACTICES**

**Question:**

What is database scheme?

- A Defining foreign key
- B Design of a database
- C Defining foreign key
- D Defining constraints

Answer Given By Candidate:**Not Attempted**

**Question ID:7153854**

**Section Name:INFORMATICS PRACTICES**

**Question:**

The operator which compares a value within a set of values is:

- A Like
- B IN
- C Between
- D Not

Answer Given By Candidate:**Not Attempted**

**Question ID:7153855**

**Section Name:INFORMATICS PRACTICES**



**Question:**

To modify the data type of the existing attribute which of the following statement is use?

- A. Update
- B. Alter
- C. Create
- D. Group by
- E. Having

Choose the correct answer from the options given below:

- A A, C only
- B B, C only
- C B only
- D D, E only

Answer Given By Candidate: **C**

**Question ID:7153856**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the below statements, which of the following is not true?

- A pip install pandas command is used to install pandas.
- B Data structure enables efficient storage, retrieval and modification to the data.
- C The data label associated with a particular value is called its index.
- D A series by default have numeric data labels starting from 1.

Answer Given By Candidate: **Not Attempted**

**Question ID:7153857**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider below statements, which of the following is not true?

- A index.name, assigns a name to the series.
- B values, prints a list of the values in the series.
- C empty prints true if the series is empty.
- D size prints the number of values in the series.

Answer Given By Candidate: **Not Attempted**

**Question ID:7153858**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the statements about pandas series, which of the following is not true?

- A In series, labeled index can be numbers or letters.
- B The elements can be indexed in descending order also.
- C If two series are aligned, NaN values are generated.
- D Series require more memory.

Answer Given By Candidate: **Not Attempted**

**Question ID:7153859**

Section Name:INFORMATICS PRACTICES

**Question:**

Consider the below code:

```
ForestAreaDF.head(2)
```

What is the purpose of the code above?

- A To display row labels.
- B To display a table representing the dimensionality of the DataFrame.
- C To display the last 2 rows in the DataFrame.
- D To display the First 2 rows in the DataFrame.

Answer Given By Candidate: **Not Attempted**

**Question ID:7153860**

Section Name:INFORMATICS PRACTICES

**Question:**

Match List I with List II

LIST I		LIST II	
A.	Numpy	I.	Two dimensional labelled data structure
B.	Series	II.	Extract the part of series
C.	Slicing	III.	One dimensional array
D.	DataFrame	IV.	Python Libraries

Choose the correct answer from the options given below:

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

Answer Given By Candidate: **Not Attempted**

**Question ID:7153861**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider below statements about descriptive statistics and its method.

- A. Descriptive statistics are used to get some basic idea about the data.
- B. `DataFrame.max()` is used to calculate the maximum values from the `DataFrame`, depending of its data types.

- A Both A and B are true
- B Both A and B are false
- C A is true and B is false
- D A is false and B is true

Answer Given By Candidate: **Not Attempted**

**Question ID:7153862**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the below statements, which is true?

- A. `DataFrame.quantile()` is used to get the quartiles.
- B. The first quartile is 25%.
- C. The second quartile is 60%
- D. The third quartile is 75%

Choose the correct answer from the options given below:

- A A and B only
- B A, B and C only
- C B and C only
- D A, B and D only

Answer Given By Candidate: **Not Attempted**

**Question ID:7153863**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Match List I with List II

LIST I		LIST II	
A.	NaN	I.	To drop an entire row
B.	isnull()	II.	replaces missing value by 0
C.	dropna()	III.	A missing value
D.	fillna()	IV.	to check whether any value is missing

Choose the correct answer from the options given below:

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

Answer Given By Candidate:**B****Question ID:7153864**

Section Name:INFORMATICS PRACTICES

**Question:**

Consider the given given statements:

- A. Data from DataFrame can be read/written to MySQL database.
- B. pymysql is a database driver.

- A A is true but B is false.
- B a is false but B is true.
- C Both A and B are true.
- D Both A and B are false.

Answer Given By Candidate:**Not Attempted****Question ID:7153865**

Section Name:INFORMATICS PRACTICES

**Question:**

Consider the following command:

`import matplotlib.pyplot as plt.`

- A. plt is an alias for matplotlib.pyplot.
- B. We cannot use any other alternative name.

- A Both A and B are true
- B Both A and B are false
- C A is true but B is false



**D** A is false but B is true

Answer Given By Candidate:**A**

**Question ID:7153866**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Match List I with List II

LIST I		LIST II	
A.	plot( )	I.	A type of graph
B.	Legend	II.	Component of a plot
C.	Pie	III.	Python library
D.	Matplotlib	IV.	to create a figure

Choose the correct answer from the options 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:**Not Attempted**

**Question ID:7153867**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the statements, which of the following is false?

**A** Linewidth is specified in pixels.

**B** The default line width is 10 pixels.

**C** Linestyle parameter takes a string.

**D** More number of pixels in line width shows a thicker line.

Answer Given By Candidate:**Not Attempted**

**Question ID:7153868**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the statements:

A. To make a histogram, data is sorted into bins.

B. The df.plot(kind = 'hist') function automatically selects the size of the bins based on the spread of values in data.

**A** Both A and B are true

- B Both A and B are false
- C A is true but B is false
- D A is false but B is true

Answer Given By Candidate: **Not Attempted**

**Question ID:7153869**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Communication between a computer and keyboard us having:

- A Automatic Communication
- B Half duplex Communication
- C Full duplex Communication
- D Simplex Communication

Answer Given By Candidate: **Not Attempted**

**Question ID:7153870**

**Section Name:**INFORMATICS PRACTICES

**Question:**

If three or more devices share a link, then it is called:

- A Point to Point
- B Simplex
- C Multipoint
- D Unipoint

Answer Given By Candidate: **C**

**Question ID:7153871**

**Section Name:**INFORMATICS PRACTICES

**Question:**

The topology having multiple branches and each branch can have one or more basic topology is called:

- A Star topology
- B Ring topology
- C Hybrid topology
- D Mesh topology

Answer Given By Candidate: **D**

**Question ID:7153872**



**Section Name:**INFORMATICS PRACTICES

**Question:**

Set of rules that govern data communication is called:

- A standards
- B protocol
- C server
- D clients

Answer Given By Candidate:**B**

**Question ID:**7153873

**Section Name:**INFORMATICS PRACTICES

**Question:**

The device which receives a weak signal and regenerated it is called:

- A Switch
- B Router
- C Repeater
- D Hub

Answer Given By Candidate:**Not Attempted**

**Question ID:**7153874

**Section Name:**INFORMATICS PRACTICES

**Question:**

Which of the following are not the social media Etiquettes?

- A. Be polite.
- B. Be credible.
- C. Choose password wisely.
- D. Beware of fake information.
- E. Think before you upload.

Choose the correct answer from the options given below:

- A A, B, C only
- B A, B, D only
- C A, B only
- D D, E only

Answer Given By Candidate:**D**

**Question ID:**7153875

**Section Name:**INFORMATICS PRACTICES

**Question:**

Which of the following statement is true:

- A Intellectual property is the property purchased by user.
- B Intellectual property is the inherited Intellectual property
- C Intellectual property refers to the inventions, literary and artistic expression own by creator,
- D Intellectual property refers to the property hired by someone.

Answer Given By Candidate: **C**

**Question ID:7153876**

**Section Name:INFORMATICS PRACTICES**

**Question:**

Match List I with List II

LIST I		LIST II	
A.	Licensing	I.	Anyone who used digital technology along with internet
B.	Creative commons	II.	Usually granted for inventions
C.	Patent	III.	Type of contract or a permission agreement between creator and user
D.	Netizen	IV.	Free copyright permission to user

Choose the correct answer from the options given below:

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

Answer Given By Candidate: **C**

**Question ID:7153877**

**Section Name:INFORMATICS PRACTICES**

**Question:**

Frequency of radio waves is between:

- A 5 GHz - 10 GHz
- B 15 GHz - 100 GHz
- C 3 GHz - 1 GHz

**D** 500 GHz - 1000 GHz

Answer Given By Candidate: **Not Attempted**

**Question ID:7153878**

**Section Name:**INFORMATICS PRACTICES

**Question:**

1 Kbps is equal to:

**A** 1054 bps

**B** 1024 bps

**C** 1014 bps

**D** 1004 bps

Answer Given By Candidate: **Not Attempted**

**Question ID:7153879**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Consider the following statements:

A. The frequency band of Bluetooth radio is 2.4 GHz.

B. In Bluetooth technology only 8 devices can communicate at the same time.

C. The single piconet is formed by one slave and one master.

D. In Bluetooth technology any number of devices can be connected.

E. Bluetooth is long-range wireless technology.

Choose the correct answer from the options given below:

**A** A, B, D

**B** A, B, E

**C** A, B, C

**D** A, C, D, E

Answer Given By Candidate: **Not Attempted**

**Question ID:7153880**

**Section Name:**INFORMATICS PRACTICES

**Question:**

A person wants to upload a text document at the rate of 10 pages per 20 second. What will be the required data rate of the channel? (Assume that 1 page contains 2000 characters and each character is of 8 bits)

**A** 7.8 Kbps

**B** 8.0 Kbps

**C** 6.25 Kbps

**D** 7.5 Kbps

Answer Given By Candidate: **Not Attempted**

**Question ID:7153881**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Which of the following are true in reference to the protocols?

- A. Identify the computers on the network.
- B. decide whether the packets received is for that node or forward it.
- C. rearrange the packets and process them.
- D. does not take care of speed mismatch.
- E. Error control is not taken care.

Choose the correct answer from the options given below:

- A C, D, E
- B D, E
- C B, C
- D A, B, C**

Answer Given By Candidate: **Not Attempted**

**Question ID:7153882**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Which of the following are well-known viruses?

- A. MSBlast
- B. Sasser and Netsky
- C. Cryptolocker
- D. Code Red
- E. ILOVEYOU

Choose the correct answer from the options given below:

- A B, C, E
- B A, B, C
- C C, D, E
- D A, B, C, D**

Answer Given By Candidate: **D**

**Question ID:7153883**

**Section Name:**INFORMATICS PRACTICES



**Question:**

Which of the following are correct in reference to the Network Security threats?

- A. After DOS attack server or resource can not be recovered.
- B. DDOS is very easy to resolve.
- C. Asymmetric Routing is a Intrusion problem.
- D. Snooping software can also act as network traffic analysis.
- E. Eavesdropping is an authorized real-time intercabin.

Choose the correct answer from the options given below:

- A A, D, E
- B A, C, D
- C A, C, D, E
- D B, D, E

Answer Given By Candidate: **Not Attempted**

**Question ID:7153884**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Match List I with List II

LIST I		LIST II	
A.	Spyware	I.	record the key pressed by user
B.	Ransomware	II.	Demand payment against publish the personal data online
C.	Keyloggers	III.	displays online advertisement using pop-ups
D.	Adware	IV.	Record and send collected information to external entity

Choose the correct answer from the options given below:

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

Answer Given By Candidate: **Not Attempted**

**Question ID:7153885**

**Section Name:**INFORMATICS PRACTICES

**Question:**

Malware is short term used for \_\_\_\_\_.

- A Malicious Hardware
- B Malicious Spyware
- C Malicious Firmware
- D Malicious Software

Answer Given By Candidate:**B**

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