

CUET UG - 2022
(CANDIDATE RESPONSE SHEET)

Paper/Subject COMPUTER SCIENCE/INFORMATICS PRACTICES
Exam Date 25 Aug 2022
Exam Slot 2

Question ID:1184901
Section Name:COMPULSORY
Question:

Two universities in different states want to transfer information which type of network they need to use for this :

- (1) LAN
- (2) MAN
- (3) WAN
- (4) PAN

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

Answer Given By Candidate:C

Question ID:1184902
Section Name:COMPULSORY
Question:

_____ serves as the entry and exit point of a network.

- (1) Gateway
- (2) Switch
- (3) Hub
- (4) Repeater

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

Answer Given By Candidate:A

Question ID:1184903
Section Name:COMPULSORY

Question:

Match **List - I** with **List - II**.

List - I**List - II**

- | | |
|-------------------|---|
| (A) Modem | (I) Weakened signal appearing on the cable is regenerated |
| (B) Ethernet Card | (II) Data arriving on any of the lines are sent out on all others |
| (C) Repeater | (III) Interface between computer and the network |
| (D) Hub | (IV) Modulator Demodulator |

Choose the **correct** answer from the options given below :

- (1) (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
- (2) (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
- (3) (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (4) (A) - (IV), (B) - (III), (C) - (II), (D) - (I)

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184904

Section Name:COMPULSORY

Question:

Which of the following statement is used to list names of existing database ?

- (1) LIST DATABASES ;
- (2) DISPLAY DATABASES ;
- (3) SHOW DATABASES ;
- (4) SELECT DATABASES ;

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184905

Section Name:COMPULSORY

Question:

Which of the following constraint is used to restrict duplicate value in a column ?

- (1) NOT NULL
- (2) DEFAULT
- (3) UNIQUE
- (4) FOREIGN KEY

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184906

Section Name:COMPULSORY

Question:

Which of the following constraints are applied to produce primary key constraint ?

- (1) NOT NULL only
- (2) UNIQUE only
- (3) Both NOT NULL and UNIQUE
- (4) UNIQUE and NULL

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184907

Section Name:COMPULSORY

Question:

Which of the following statements is false for SQL ?

- (1) SQL stands for Structured Query Language
- (2) It is case sensitive
- (3) SQL is used to access and manipulate data from database
- (4) SQL provides statements for defining the structure of the data

A 1

B 2

C 3

D 4

Answer Given By Candidate: **B**

Question ID:1184908

Section Name:COMPULSORY

Question:

Which of the following is not a DDL (Data Definition Language) command ?

- (1) DELETE
- (2) DROP
- (3) ALTER
- (4) CREATE

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184909

Section Name:COMPULSORY

Question:

Consider the following relation 'student'

RollNumber	SName	SDate of Birth
1	Atharva	2003-05-15
2	Taleem	2002-02-28

Which of the following is true for the above relation ?

- (1) 'Student' relation has degree of 3 and cardinality of 2
- (2) 'Student' relation has degree of 2 and cardinality of 3
- (3) 'Student' relation has degree of 2 and cardinality of 2
- (4) 'Student' relation has degree of 3 and cardinality of 3

A 1

B 2

C 3

D 4

Answer Given By Candidate: **D**

Question ID:1184910

Section Name:COMPULSORY

Question:

Which of the following is NOT true for the file system ?

- (1) Difficulty in access data
- (2) Data redundancy
- (3) Data inconsistency
- (4) Easy to enforce access control

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184911

Section Name:COMPULSORY

Question:

The assert statement in Python is used for :

- (1) Execute
- (2) Compile
- (3) Run
- (4) Test

A 1

B 2

C 3

D 4

Answer Given By Candidate: **D**

Question ID:1184912**Section Name:COMPULSORY****Question:**

The method used to position the file object at a particular position in a file is :

- (1) tell() method
- (2) seek() method
- (3) readlines() method
- (4) read() method

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**C****Question ID:1184913****Section Name:COMPULSORY****Question:**

The keyword used to throw an exception in Python.

- (1) throw
- (2) throw and propose
- (3) raise
- (4) propagate

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**Not Attempted****Question ID:1184914****Section Name:COMPULSORY****Question:**

File mode '<r>' opens the file in :

- (1) Read - only mode
- (2) Write mode
- (3) Append mode
- (4) Binary mode

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**A****Question ID:1184915****Section Name:COMPULSORY**

Question:

In Python - every try block is followed by :

- (1) Catch
- (2) Except
- (3) Handle
- (4) Final

A 1

B 2

C 3

D 4

Answer Given By Candidate: **Not Attempted**

Question ID:1184951

Section Name:INFORMATICS PRACTICES

Question:

What will be the output of the following code ?

```
import numpy as np
Z = np.arange (10, 50)
P = Z.size
K = Z.itemsize
```

Print (P/K)

- (1) 0.2
- (2) 5.0
- (3) 6.0
- (4) 4.44

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184952

Section Name:INFORMATICS PRACTICES

Question:

Which of the following is used to draw a box and whisker plot in p matplotlib ?

- (1) boxplot()
- (2) box and whisker plot()
- (3) box-whisker()
- (4) box-plot()

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184953**Section Name:**INFORMATICS PRACTICES**Question:**

Which function is used to plot a scatter plot in matplotlib ?

- (1) scatter()
- (2) scatter_plot()
- (3) scatter_show()
- (4) scatter_figure()

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**Not Attempted****Question ID:1184954****Section Name:**INFORMATICS PRACTICES**Question:**

What does the following code output ?

```
import numpy as np
import pandas as pd
data = {'animal': ['cat', 'dog', np.nan], 'age': [2.5; np.nan, 0.5]}
labels = ['a', 'b', 'c']
df = pd.DataFrame (data, index = labels)
Print(df[df['age'].isnull( )])
```

- (1) c NaN 0.5
- (2) b dog NaN
- (3) a cat 2.5
- (4) error

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**B****Question ID:1184955****Section Name:**INFORMATICS PRACTICES

Question:

What does the following code output ?

```
import numpy as np
import pandas as np
data = {'animals' : ['cat', 'dog', np.nan], 'age' : [2.5, np.nan, 0.5]}
labels = ['a', 'b', 'c']
df = pd.DataFrame (data, index = labels)
print (df[df['animal'].isnull( )])
```

- (1) c NaN 0.5
- (2) b dog NaN
- (3) a cat 2.5
- (4) error

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184956

Section Name:INFORMATICS PRACTICES

Question:

What happens when you try to access a file that does not exist, in write mode ?

- (1) It creates a file and completes the operation
- (2) It raises an error
- (3) It asks for permission to create a file
- (4) It creates a file but does not write to it

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184957

Section Name:INFORMATICS PRACTICES

Question:

Which statement will read 10 characters from a file f ?

- (1) f.read(10)
- (2) f.read()
- (3) f.reads(10)
- (4) f.read(characters = '10')

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A****Question ID:1184958****Section Name:**INFORMATICS PRACTICES**Question:**

What will be the output of the following code ?

```
import pandas as pd
S=pd.Series(['e', 'd', 'c', 'b', 'a'], index=['a', 'b', 'c', 'd', 'e'])
print(s['a'])
```

- (1) a
- (2) e
- (3) b
- (4) error

A 1**B** 2**C** 3**D** 4Answer Given By Candidate: **B****Question ID:1184959****Section Name:**INFORMATICS PRACTICES**Question:**

Which of the following command is correct to install matplotlib library ?

- (1) matplotlib install pip
- (2) install pip matplotlib
- (3) install matplotlib
- (4) pip install matplotlib

A 1**B** 2**C** 3**D** 4Answer Given By Candidate: **D****Question ID:1184960****Section Name:**INFORMATICS PRACTICES**Question:**

Which of the following library to be imparted for creating chart in python ?

- (1) Pandas
- (2) Math
- (3) Matplotlib
- (4) Random

A 1**B** 2**C** 3**D** 4Answer Given By Candidate: **C**

Question ID:1184961**Section Name:**INFORMATICS PRACTICES**Question:**

Which of the following is not Pandas data structure ?

- (1) Series
- (2) Dictionary
- (3) DataFrame
- (4) Panel

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**C****Question ID:1184962****Section Name:**INFORMATICS PRACTICES**Question:**

What will the function drop(axis='index') do ?

- (1) Removes the specified row
- (2) Removes the specified column
- (3) Converts 2d dataframe to a series
- (4) Converts labels from any form to numeric form

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**A****Question ID:1184963****Section Name:**INFORMATICS PRACTICES**Question:**

A type of contract between the creator of an original work permitting some one to use their work generally for price is named as :

- (1) Patent
- (2) License
- (3) Copyright
- (4) Agreement

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**B****Question ID:1184964****Section Name:**INFORMATICS PRACTICES

Question:

FOSS stands for :

- (1) Free and open source software
- (2) Free and open set software
- (3) Far open source software
- (4) Free open set software

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184965

Section Name:INFORMATICS PRACTICES

Question:

IPR stands for :

- (1) Instance Property Rights
- (2) Interactive Property Rights
- (3) Intellectual Property Rights
- (4) Intelligent Property Rights

A 1

B 2

C 3

D 4

Answer Given By Candidate: **C**

Question ID:1184966

Section Name:INFORMATICS PRACTICES

Question:

A user wants to upload a text document at the rate of 10 pages per 10 second. What will be the required data rate of the channel. [Assume that 1 page contains 1600 characters and each character is of 8 bits]

- (1) 12800 bps
- (2) 13200 bps
- (3) 200 bps
- (4) 20000 bps

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184967

Section Name:INFORMATICS PRACTICES

Question:

Which of the following protocol is used for sending e-mails ?

- (1) SMTP
- (2) HTTP
- (3) FTP
- (4) TCP/IP

A 1

B 2

C 3

D 4

Answer Given By Candidate: **Not Attempted**

Question ID:1184968

Section Name:INFORMATICS PRACTICES

Question:

Which of the following is **not** taken care by FTP ?

- (1) Use of different conventions while naming files
- (2) Authentication for accessing files
- (3) Having different directory structure
- (4) Representation of text and data in different formats

A 1

B 2

C 3

D 4

Answer Given By Candidate: **B**

Question ID:1184969

Section Name:INFORMATICS PRACTICES

Question:

_____ is required to decide which nodes in a communication channel will access the link shared among them at a particular instant of time.

- (1) Access control
- (2) Flow control
- (3) Error control
- (4) Data control

A 1

B 2

C 3

D 4

Answer Given By Candidate: **A**

Question ID:1184970

Section Name:INFORMATICS PRACTICES

Question:

IEEE assigns numbers to each different standards of LAN. The wireless LAN is number as _____.

- (1) 802.10
- (2) 802.11
- (3) 802.12
- (4) 801.10

A 1

B 2

C 3

D 4

Answer Given By Candidate: **Not Attempted**

Question ID:1184971

Section Name:INFORMATICS PRACTICES

Question:

DDoS stands for _____.

- (1) Diverged Denial of Service
- (2) Distributed Denial of Service
- (3) Diagnosed Denial of Service
- (4) Device Denial of Service

A 1

B 2

C 3

D 4

Answer Given By Candidate: **Not Attempted**

Question ID:1184972

Section Name:INFORMATICS PRACTICES

Question:

In the context of networking, the term "Eavesdropping" refers to :

- (1) Secret capture and analysis of network traffic
- (2) Unauthorised real-time interception or monitoring of private communication between two entities over a network
- (3) Authorised monitoring of network traffic
- (4) Monitoring and analysis of network traffic by network administrators

A 1

B 2

C 3

D 4

Answer Given By Candidate: **B**

Question ID:1184973

Section Name:INFORMATICS PRACTICES

Question:

Which of the following is **not** a virus ?

- (1) Cryptolocker
- (2) MyDoom
- (3) Sobig
- (4) Netsky

A 1

B 2

C 3

D 4

Answer Given By Candidate: **Not Attempted**

Question ID:1184974

Section Name:INFORMATICS PRACTICES

Question:

Match List - I with List - II.

List - I

- (A) Worms
- (B) Virus
- (C) Adware
- (D) Spyware

List - II

- (I) need a host program
- (II) spies on a person or an organisation
- (III) displays online advertisements using pop-ups, web pages or installation screens
- (IV) standalone programs

Choose the **correct** answer from the options given below :

- (1) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (2) (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
- (3) (A) - (I), (B) - (IV), (C) - (II), (D) - (III)
- (4) (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

A 1

B 2

C 3

D 4

Answer Given By Candidate: **B**

Question ID:1184975

Section Name:INFORMATICS PRACTICES

Question:

Who among the following uses their knowledge unethically to break the law and disrupt security by exploiting the flaws and loopholes in a system ?

- (1) White hat hackers
- (2) Black hat hackers
- (3) Red hat hackers
- (4) Grey hat hackers

A 1

B 2

C 3

D 4Answer Given By Candidate:**B****Question ID:1184976****Section Name:**INFORMATICS PRACTICES**Question:**

What is the full form of SQL ?

- (1) Simple Query Language
- (2) Structure Questioning Language
- (3) Structured Query Language
- (4) Systematic Query Language

A 1**B 2****C 3****D 4**Answer Given By Candidate:**C****Question ID:1184977****Section Name:**INFORMATICS PRACTICES**Question:**

Which of the following output produced by SQL Query ?

Select LENGTH ("COMPUTER SCIENCE!")

- (1) 17
- (2) 16
- (3) 18
- (4) 19

A 1**B 2****C 3****D 4**Answer Given By Candidate:**A****Question ID:1184978****Section Name:**INFORMATICS PRACTICES**Question:**

Which of the following SQL query display details of all employees who have no supervisor ?

- (1) Select * from Employee where supervisor = NULL
- (2) Select * from Employee where supervisor is NULL
- (3) Select * from Employee where supervisor = 'NULL'
- (4) Select * from Employee where supervisor is 'NULL'

A 1**B 2****C 3****D 4**Answer Given By Candidate:**B**

Question ID:1184979**Section Name:**INFORMATICS PRACTICES**Question:**

ALTER Table command in SQL is not used for :

- (1) Remove an attribute
- (2) Remove primary key from the table
- (3) Add default value to an attribute
- (4) Drop table from database

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**D****Question ID:1184980****Section Name:**INFORMATICS PRACTICES**Question:**

What is full form of DML in Database management system ?

- (1) Data Management Language
- (2) Data Maintenance Language
- (3) Data Manipulation Language
- (4) Data Model Language

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**C****Question ID:1184981****Section Name:**INFORMATICS PRACTICES**Question:**

ARPANET stands for _____.

- (1) Augmented Research Projects Agency Network
- (2) Advanced Research Projects Agency Network
- (3) Authorised Research Projects Agency Network
- (4) Advanced Research Programmed Agency Network

A 1**B** 2**C** 3**D** 4Answer Given By Candidate:**Not Attempted****Question ID:1184982****Section Name:**INFORMATICS PRACTICES

Question:

Which of the following is a valid IP address ?

- (1) 192 : 168 : 0 : 178
- (2) 260 : 168 : 0 : 178
- (3) 192 : 268 : 0 : 178
- (4) 192 : 168 : 0 : 278

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

Answer Given By Candidate: **Not Attempted**

Question ID:1184983

Section Name:INFORMATICS PRACTICES

Question:

MAC address is also known as _____.

- (1) Virtual address
- (2) IP address
- (3) Port address
- (4) Physical address

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

Answer Given By Candidate: **Not Attempted**

Question ID:1184984

Section Name:INFORMATICS PRACTICES

Question:

Which of the following is used for Secure Hyper Text Transfer protocol ?

- (1) ftp
- (2) http
- (3) https
- (4) file

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

Answer Given By Candidate: **C**

Question ID:1184985

Section Name:INFORMATICS PRACTICES

Question:

Match **List - I** with **List - II**.

List - I	List - II
(A) Ring Topology	(I) each communicating device connects to a transmission medium, known as bus
(B) Mesh Topology	(II) each node is connected to two other devices, one each on either side
(C) Star Topology	(III) each communicating device is connected to a central node
(D) Bus Topology	(IV) each communicating device is connected with every other device

Choose the **correct** answer from the options given below :

- (1) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (2) (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
- (3) (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- (4) (A) - (II), (B) - (IV), (C) - (III), (D) - (I)

A 1

B 2

C 3

D 4

Answer Given By Candidate:**D**
