

Key Points

- Cloud Computing enables us to access our information from anywhere at any time.
- Google Drive is an online file storage service provided by Google.
- Cloud computing is more affordable than purchasing and maintaining storage devices.
- Public cloud is available to general public over Internet.

EXERCISES

According To NEP Guidelines

A. Multiple Choice Questions

- The.....means computing on Internet.
(a) Cloud ☒ (b) Google Drive ☐ (c) Dropbox ☐
-allows users to store and share files up to 5GB in size.
(a) Dropbox ☐ (b) Google Drive ☐ (c) Amazon Drive ☒
- Azure was introduced by in 2010.
(a) Microsoft ☒ (b) Google ☐ (c) Amazon ☐
- is stored in multiple locations, so even if one server goes down, the data is safe.
(a) Information ☒ (b) Internet ☐ (c) Cloud ☒
- cloud is available to general public over Internet.
(a) Private ☐ (b) Hybrid ☐ (c) Public ☒

B. Write T for true and F for false statements.

- Cloud computing has the lowest risk of backup and recovery failures. ☒ T
- Hybrid cloud is a combination of only two clouds. ☒ F
- The biggest risk about cloud computing is data security and privacy. ☒ T
- Cloud computing provides limited space to store information. ☒ F

Very Short Answer Questions

- How can you access your files and applications from anywhere in the world?
- Name cloud computing based technologies for learning.

Short Answer Questions

- What is cloud computing?

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EXERCISES

According To NEP Guidelines

Multiple Choice Questions

1. Looping is also known as a/an statement.
(a) conditional ☐ (b) iterative ☒ (c) selection ☐
2. In Python, 'in' and 'not in' are known as operators.
(a) logical ☐ (b) relational ☐ (c) membership ☒
3. An array should have type of data values.
(a) same ☐ (b) different ☒ (c) equal ☐
4. The range() function can take maximum arguments.
(a) 3 ☒ (b) 2 ☐ (c) 4 ☐
5. To stop the loop before its completion, we use the statement.
(a) continue ☐ (b) pass ☐ (c) break ☒

Fill in the blanks.

1. Conditional statements cause the interpreter to jump from one part of the program to another part based on some condition.
2. In if-else-elif statements, multiple conditions are tested.
3. The for loop is preferred when the number of iteration is fixed.
4. while allows the block of code to be executed till the condition is true.

Identify the errors in the following codes and rewrite them.

1.

```
fruits = "apple"
for x in (fruit):
    print(a)
```

2.

```
for i in range [(10, 20)]
    print (i * i)
```

Small Bracket
Remove Big bracket

Very Short Answer Questions

1. Write the syntax of 'if' statement.
2. What is an infinite loop?
3. Define function.

Short Answer Questions

1. What is sequential control structure?
2. Define while loop.
3. What is an array?

Long Answer Questions

1. What are control structures? Name different types of control structures in Python.

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EXERCISES

According To NEP Guidelines

A. Multiple Choice Questions

1. Data is a collection of facts and figures.
(a) complete ☐ (b) good ☐ (c) raw ☒
2. Data science is about extracting interpretations from data.
(a) wrong ☐ (b) meaningful ☒ (c) raw ☐
3. Many companies have applied data science to help their businesses
(a) over ☐ (b) grow ☒ (c) fall ☐
4. Data science analyses our viewing or history to suggest content we might enjoy.
(a) listening ☒ (b) walking ☐ (c) playing ☐

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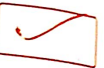


5. create systems to collect, store and analyse data.

(a) Data Scientists

(c) Data Architects

(b) Data Engineers



B. Write T for True F for false statements.

1. The importance of data science has increased rapidly.
2. Data is not the building block of information.
3. In healthcare, data science is used to assist doctors in diagnosing diseases.
4. Discrete data does not have a specific value.

T

F

T

F

C. Very Short Answer Questions

1. What is data?
2. Write some examples of data types.

D. Short Answer Questions

1. What is data science?
2. Differentiate between continuous data and discrete data.

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