1. **PANDAS stands for** _____

   ○ A) Panel Data

   ○ B) Panel Dashboard

   ○ C) Panel Data analyst

   ○ D) Panel Data Analysis

2. **What will be syntax for pandas dataframe?**

   ○ A) pandas.DataFrame(data, index, dtype, copy)

   ○ B) pandas.DataFrame(data, index, rows, dtype, copy)

   ○ C) pandas_DataFrame(data, index, columns, dtype, copy)

   ○ D) pandas.DataFrame(data, index, columns, dtype, copy)

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   ○ D) pandas.DataFrame(data, index, columns, dtype, copy)

4. **_____ is an important library used for analyzing data.**

   ○ A) Pandas

   ○ B) Math

   ○ C) Random

   ○ D) None of the above

5. Pandas Series can have _____ data types

A) float

B) String

C) integer

D) All of the above

6. Which of the following statement will create an empty series named "S1"?

A) S1 = pd.Series( )

B) S1 = pd.Series(None)

C) Both of the above

D) None of the above

7. What will be output for the following code?

```python
import pandas as pd
import numpy as np
s = pd.Series(np.random.randn(2))
print(s.size)
```

A) 1

B) 2

C) 3

D) 4

8. What will be output for the following code?

```python
import pandas as pd
s = pd.Series([1,2,3,4,5],index = ['a','b','c','d','e'])
print(s['a'])
```

A) 1

B) 2

C) 3

D) 4

9. Axis 1, in panel represent?

A)   items

B)   major_axis

C)   minor_axis

D)   None of the above

10.

This function in the library of Pandas allows you to manipulate data and create new variables:

A)   merge function

B)   read_csv function

C)   apply function

D)   pivot_table function

11. **Which of the following statement for creating dataframe is valid?**

○ A) df = pd.DataFrame(dict1)

○ B) df = pd.Dataframe(dict1)

○ C) df = pd.dataFrame(dict1)

○ D) df = pd.dataframe(dict1)

12.

To extract the first three rows and three columns of a dataframe 'exp' which of the following is True :

○ A) exp.iloc[0:2,0:2]

○ B) exp.iloc[0:3,0:3]

○ C) exp.iloc[1:3,1:3]

○ D) exp.iloc[1:4,1:4]