

# Python Quiz

All questions are compulsory and carry equal marks. There is no negative marking.

\* Indicates required question

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1. Enrollment Number: \*

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2. Name \*

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3. In a Python program, a control structure: \*

1 point

*Mark only one oval.*

- Defines program-specific data structures
- Directs the order of execution of the statements in the program
- Manages the input and output of control characters
- Dictates what happens before the program starts and after it terminates

4. What is the output of the following code snippet: \*

1 point

```
if 'second' in {'first': 1, 'second': 2, 'third': 3}:  
    print(1)  
    print(2)  
    if 'u' in 'qux':  
        print(3)  
print(4)
```

Mark only one oval.

- 1 2 3 4
- 1 2 4
- 4
- It doesn't generate any output.

5. Which of the following are true of Python dictionaries: \*

1 point

Mark only one oval.

- All the keys in a dictionary must be of the same type.
- Dictionaries can be nested to any depth.
- A dictionary can contain any object type except another dictionary
- Items are accessed by their position in a dictionary.

6. Consider this dictionary: d ={'first': 1, 'second': 2, 'third': 3} What is the result of this statement: d['bar':'baz']

\* 1 point

Mark only one oval.

- 200 300
- It raises an exception
- [200, 300]
- (200, 300)

7. Consider again this nested structure definition: The statement 'z' in x[2] is \* 2 points  
True or False?

```
x = [  
    'a',  
    'b',  
    {  
        'first': 1,  
        'second':  
        {  
            'x' : 10,  
            'y' : 20,  
            'z' : 30  
        },  
        'third': 3  
    },  
    'c',  
    'd'  
]
```

Mark only one oval.

- True  
 False

8. What method call will delete the entry whose value is 200 from this dictionary: d={'first': 100, 'second': 200, 'third': 300} \* 2 points

Mark only one oval.

- del d['second']  
 del d('second')  
 d.pop('second')  
 remove d('second')

9. What is the value of the expression  $4 + 3^{2 * 1}$ ? \*

1 point

Mark only one oval.

33

14

13

36

10. Write a program to add values of same keys of two dictionary \*

2 points

```
d1 = {'a':100, 'b': 200, 'c':300}
```

```
d2 = {'a':300, 'b':100, 'd':400}
```

Output:

```
{'a':400, 'b': 300, 'c': 300, 'd':400}
```

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11. Write a program to print mirror characters in a string after nth position

2 points

I/P: N =3

paradox

O/P

paizwlc

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12. Write a Python program to create all possible strings by using 'a', 'e', 'i', 'o', 'u'. Use the characters exactly once

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13. Write a Python program to get the maximum and minimum value in a dictionary. 1 point

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14. Write a function that takes a number as an input parameter and returns the corresponding number name in words. For example: if input is 452, the function should return "Four Five Two". Use a dictionary for mapping digits to their string representation. 1 point

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15. Write a program to remove duplicates values across dictionary values 5 points

I/P: dict1 = {'A': [1], 'B': [8,9,1]}

O/P: {'A': [], 'B':[8,9]}

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