

STTP on PYTHON PROGRAMMING
28.6.20 Assessment – 20 Marks

1. Which statement is correct?
- a. List is immutable & Tuple is mutable
 - b. List is mutable & Tuple is immutable
 - c. Both are mutable
 - d. Both are immutable

Answer: List is mutable & Tuple is immutable

2. Which of the following is not an advantage of using modules?
- a) Provides a means of reuse of program code
 - b) Provides a means of dividing up tasks
 - c) Provides a means of reducing the size of the program
 - d) Provides a means of testing individual parts of the program

Answer: Provides a means of reducing the size of the program

3. What does the function `random.randrange(49,150)` return in Python?

It returns random number from 49 to 150

It returns random number from 49 to 149

It returns random number from 50 to 150

It returns random number from 50 to 149

Ans: **It returns random number from 49 to 149**

4. Which of the following arithmetic operators can be used with strings?

++

-

+

None of the above

Ans: +

5. Suppose `d = {"Hello":40, "World":45}`, to delete the entry for "Hello" what command do we use?

- a) `d.delete("Hello":40)`
- b) `d.delete("Hello")`
- c) **`del d["Hello"]`**
- d) `del d("Hello":40)`

Ans: c) **`del d["Hello"]`**

6. What is the order of precedence in python?

- i) Parentheses
- ii) Exponential
- iii) Multiplication
- iv) Division
- v) Addition
- vi) Subtraction

Options:

- a) i,ii,iii,iv,v,vi
- b) ii,i,iii,iv,v,vi
- c) ii,i,iv,iii,v,vi
- d) i,ii,iii,iv,vi,v

Answer: a

Explanation: For order of precedence, just remember this PEMDAS (Similar to BODMAS).

7. Which of the following is an invalid statement?

Options:

- a) `abc = 1,000,000`
- b) `a b c = 1000 2000 3000`
- c) `a,b,c = 1000, 2000, 3000`
- d) `a_b_c = 1,000,000`

Answer: b

Explanation: Spaces are not allowed in variable names.

8. What is the output of this expression, `3*13`?**

Options:

- a) 27
- b) 9
- c) 3
- d) 1

Answer: c

Explanation: First this expression will solve `1**3` because exponential has higher precedence than multiplication, so `1**3 = 1` and `3*1 = 3`.

Final answer is 3.

9) What will be the output of the following Python code?

```
x = 'abcd'
```

```
for i in range(x):
```

```
    print(i)
```

- a) a b c d
- b) 0 1 2 3
- c) error
- d) none of the mentioned

Explanation: `range(str)` is not allowed.

10) What will be the output of the following Python code?

```
for i in range(0):
```

```
    print(i)
```

- a) 0
- b) no output
- c) error
- d) none of the mentioned

Explanation: `range(0)` is empty.

