

**(A)**

Subject : Programming II

Exam: Monthly

Level : 1<sup>st</sup>Sem. 2<sup>nd</sup> Course : IT Self Duration : 50 Mins.**Section I : Choose the correct answer (1 marks)**Answer **10** Question only

- 1) Lists are used to store collection of items:  
A) In the computer memory  
B) In the disk  
C) In the CPU  
D) Both a & B
- 2) Functions used to make the code:  
A) re-usable                      B) Easy to understand  
C) Both A & B                      D) Faster to execute
- 3) Advantage of using lists in python:  
A) Organize the code  
B) Use less memory  
C) Store data permanently  
D) Both B & C
- 4) Which of the following is a valid Python function?  
A) def my\_function(): print("Hello, world!")  
B) def my\_function(x=1) print("Hello, world!")  
C) def my\_function(x): print(x)  
D) All of the above
- 5) Which of the following append data into a file  
A) mfile.write("Hello", "a")      B) mfile.write("Hello")  
C) Both A & B                      D) mfile.append("Hello")
6. To insert 5 to the first position in list1, we use which command if list1=[ ] ?  
a) list1.insert[5,0]      b) list1.insert(0, 5)  
c) list1.append(5)      d) Both A & C
7. What is the correct syntax of open() file function?  
a) file = open (file\_name,"r")  
b) file.open("file\_name")  
c) file=file.open("file\_name","w")  
d) none of the mentioned
8. Which of the following is used to print items of a list ?  
a) for indx in my\_lst : print (indx)  
b) for item in range (0,len(lst),1) : print (lst[item])  
c) Both A & B  
d) none of the above
9. The truncate function is used to  
a) Delete all items from the list  
b) Delete the list from the memory  
c) Make all list items = null or zero  
d) Used with functions not lists
10. Which of the following is a valid mode to open a file?  
a) a      b) w      c) R      d) Both A & B

**11. What is the output of the following piece of code?**

```
def my_function(b):  
    b = b * 10  
fun(5)  
print(b)
```

- a) 5                      b) 0                      c) 50  
d) No output

**Section II : Select the correct answer: (2 Mark)**Answer **10** Question only

1. Which of the following statements will result in the output: 6?

```
A = [[1, 2, 3],  
     [4, 5, 6],  
     [7, 8, 9]]
```

- a) A[2][3]              b) A[2][1]              c) A[1][2]              d) A[3][2]

2. What is the output of the below program?

```
1. def sayHello():  
2.     print('Hello World!')  
3. sayHello()  
4. sayHello()
```

- a) Hello World!  
Hello World!  
b) 'Hello World!'  
'Hello World!'  
c) Hello  
Hello  
d) None of the mentioned

3. What is the output of the below program ?

```
1. x = 50  
2. def func(x):  
3.     print('x is', x)  
4.     x = 2  
5.     print('Changed local x to', x)  
6. func(x)  
7. print('x is now', x)
```

- a) x is now 50              b) x is now 2  
c) x is now 100              d) None of the mentioned

4. What is the output of below program?

```
1. def say(message, times = 1):  
2.     print(message * times)  
3. say('Hello')  
4. say('World', 5)
```

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- a) Hello  
WorldWorldWorldWorldWorld  
b) Hello  
World 5  
c) Hello  
World,World,World,World,World  
d) Hello  
HelloHelloHelloHelloHello

5. The output of the code shown below is:

```
def f1():
    x=15
    print(x)
x=12
f1()
```

- a) Error      b) 12      c) 15      d) 1512

6. What will be the output?

```
1. numbers = [1, 2, 3, 4]
2. numbers.append([5,6,7,8])
3. print(len(numbers))
```

- a) 4      b) 5      c) 8      d) 12

7. What is the output when following code is executed ?

```
list1 = [1, 3]
list2=[1,2]
list2[0] = list1
print(list2)
```

- a) [[1, 3], 2]      b) [1, 3, 2]  
c) [[1, 3]]      d) Error

8. What is the output?

```
1. matrix = [[1, 2, 3, 4],
2.           [4, 5, 6, 7],
3.           [8, 9, 10, 11],
4.           [12, 13, 14, 15]]
5.
6. for i in range(0, 4):
7.     print(matrix[i][1], end = " ")
```

- a) 1 2 3 4      b) 4 5 6 7  
c) 1 3 8 12      d) 2 5 9 13

9. What is the output of the below program?

```
1. def power(x, y=2):
2.     r = 1
3.     for i in range(y):
4.         r = r * x
5.     return r
6. print power(3)
7. print power(3, 3)
```

- a) 212  
32  
b) 9  
27  
c) 567  
98  
d) None of the mentioned

10. What is the output when following code is executed ?

```
1. myList = [1, 2, 3, 4, 5, 6]
2. for i in range(1, 6):
3.     myList[i - 1] = myList[i]
4.
5. for i in range(0, 6):
6.     print(myList[i], end = " ")
```

- a) 2 3 4 5 6 1      b) 6 1 2 3 4 5  
c) 2 3 4 5 6 6      d) 1 1 2 3 4 5

11. What will be the output?

```
1. data = [[[1, 2], [3, 4]], [[5, 6], [7, 8]]]
2. print(data[1][0][0])
```

- a) 1      b) 2      c) 4      d) 5

12. Bonus Questions :

```
list1 = [1, 3]
list2=[1,2]
list2[0] = list1
list1[1]=4
print(list2)
```

The output is :

- A ) [[1, 4], 2]      B ) [[1, 3], 2]  
C ) [1, 3, 2]      D ) [1, 4, 2]