**Python objective questions**

Level 1

1) What is the output of the following program :

|  |
| --- |
| y **=** 8z **=** **lambda** x : x **\*** yprint z(6) |

a) 14 b) 48 c) 46 d)12

Ans : b

2) What is called when a function is defined inside a class?vvv

|  |  |
| --- | --- |
| A | Module |
| B | Class |
| C | Another Function |
| D | method |

Ans : d

3) Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.pop(1)?

|  |  |
| --- | --- |
| A | [3, 4, 5, 20, 5, 25, 1, 3] |
| B | [1, 3, 3, 4, 5, 5, 20, 25] |
| C | [3, 5, 20, 5, 25, 1, 3] |
| D | [1, 3, 4, 5, 20, 5, 25] |

Ans : C

4) What is the output of the following code :

|  |
| --- |
| print 9**//**2 |

|  |  |
| --- | --- |
| A | 4.5 |
| B | 4.0 |
| C | 4 |
| D | Error |

Ans : c

5) Given a function that does not return any value, what value is shown when executed at the shell?

|  |  |
| --- | --- |
| A | int |
| B | bool |
| C | void |
| D | None |

Ans : d

6) Given a string s = “Welcome”, which of the following code is incorrect?
**(A)** print s[0]
**(B)** print s.lower()
**(C)** s[1] = ‘r’
**(D)** print s.strip()

**Answer:** **(C)**

7) What is the output of the expression : 3\*1\*\*3
**(A)** 27
**(B)** 9
**(C)** 3
**(D)** 1

**Answer:** **(C)**

8)

|  |
| --- |
| print '{0:.2}'.format(1.0 **/** 3)  |

**(A)** 0.333333
**(B)** 0.33
**(C)** 0.333333:-2
**(D)** Error
**Answer:** **(B)**

9) a **=** True L222

b **=** False

c **=** False

**if** a **or** b **and** c:

    **print** "GEEKSFORGEEKS"

**else**:

    **print** "geeksforgeeks"

a) GEEKSFORGEEKS

b) geeksforgeeks

c) None of the above

d) both

Ans: a

10)

|  |
| --- |
| dictionary1 **=** {'GFG' : 1,                'Google' : 2,                'GFG' : 3               } print(dictionary1['GFG']);  |

a) Compilation error due to duplicate keys
b) Runtime time error due to duplicate keys
c) 3
d) 1

Ans. (c)

Level 2

1)

|  |
| --- |
| **def** f(value, values):     v **=** 1    values[0] **=** 44t **=** 3v **=** [1, 2, 3] f(t, v) print(t, v[0])  |

**(A)** 1 1
**(B)** 1 44
**(C)** 3 1
**(D)** 3 44

**Answer:** **(D)**

2) **class** Acc:

    **def** \_\_init\_\_(self, id):

        self.id **=** id

        id **=** 555

acc **=** Acc(111)

print acc.id

a) 555

b) 111

c) None of the above

d) Error

Ans: 111

3) dictionary **=** {}

dictionary[1] **=** 1

dictionary['1'] **=** 2

dictionary[1] **+=** 1

sum **=** 0

**for** k **in** dictionary:

    sum **+=** dictionary[k]

print sum

a) 3

b) 4

c) 5

d) 2

Ans: b

4) l = [1,2,3,5]

k = l

l.append(6)

what are the items in k?

a) [1,2,3,5]

b) [1,2,3,5,6]

c) [6,1,2,3,5]

d) [1,2,3,6,5]

ans: b

5) x **=** ['ab', 'cd']

**for** i **in** x:

    i.upper()

print(x)

a) [‘AB’, ‘CD’]

b) Error

c) [‘ab’, ‘cd’]

d) [‘ABCD’]

Ans: c

6) i **=** 1

**while** True:

    **if** i**%**3 **==** 0:

        **break**

    **print**(i)

    i **+** **=** 1

a) 1, 2

b) infinite loop

c) 1, 2, 3

d) Error

Ans: d

7)

|  |
| --- |
| L **=** list('123456') L[0] **=** L[5] **=** 0L[3] **=** L[**-**2] print(L)  |

a) [0, ‘2’, ‘3’, ‘4’, ‘5’, 0]
b) [‘6’, ‘2’, ‘3’, ‘5’, ‘5’, ‘6’]
c) [‘0’, ‘2’, ‘3’, ‘5’, ‘5’, ‘0’]
d) [0, ‘2’, ‘3’, ‘5’, ‘5’, 0]
Ans. (d)

8)

|  |
| --- |
| set1 **=** {1, 2, 3} set2 **=** set1.copy() set2.add(4) print(set1)  |

Options:

A{1, 2, 3, 4}

B{1, 2, 3}

C Invalid Syntax

D Error

Ans : b

9)

|  |
| --- |
| value **=** [1, 2, 3, 4] data **=** 0**try**:     data **=** value[4] **except** IndexError:     **print**('ABC', end **=** '') **except**:     print('abc ', end **=** '')  |

a) abc
b) ABC
c) None
d) Compilation error

Ans : b

10) what is the method for getting current cursor position in file?

a) get()

b) seek()

c) tell()

d) get\_pos()

ans: c

Level 3:

1) **def** mk(x):

 **def** mk1():

 **print**("Decorated")

 x()

 **return** mk1

**def** mk2():

 **print**("Ordinary")

p = mk(mk2)

p()

a) Decorated
Decorated
b) Ordinary
Ordinary
c) Ordinary
Decorated
d) Decorated
Ordinary

ans: d

2) x = "abcdef"

i = "a"

**while** i **in** x:

 x = x[:-1]

 **print**(i, end = " ")

a)iiiiii
b)aaaaaa
c)aaaaa
d) none of the mentioned

Ans: b

3) What is the output of the following?

**print**([i+j **for** i **in** "abc" **for** j **in** "def"])

a)[‘da’,‘ea’,‘fa’,‘db’,‘eb’,‘fb’,‘dc’,‘ec’,‘fc’].
b)[[‘ad’,‘bd’,‘cd’],[‘ae’,‘be’,‘ce’],[‘af’,‘bf’,‘cf’]].
c)[[‘da’,‘db’,‘dc’],[‘ea’,‘eb’,‘ec’],[‘fa’,‘fb’,‘fc’]].
d) [‘ad’, ‘ae’, ‘af’, ‘bd’, ‘be’, ‘bf’, ‘cd’, ‘ce’, ‘cf’].

Ans: d

4) 3. The function pow(x,y,z) is evaluated as:
a) (x\*\*y)\*\*z
b) (x\*\*y) / z
c) (x\*\*y) % z
d) (x\*\*y)\*z

ans: c

5) What is the output of the following?

**def** foo(i, x=[]):

 x.append(x.append(i))

 **return** x

**for** i **in** range(3):

 y = foo(i)

**print**(y)

a)[[[0]],[[[0]],[1]],[[[0]],[[[0]],[1]],[2]]].
b)[[0],[[0],1],[[0],[[0],1],2]].
c)[0,None,1,None,2,None].
d) [[[0]], [[[0]], [1]], [[[0]], [[[0]], [1]], [2]]].

Ans: c

6) e="butter"

**def** f(a): **print**(a)+e

f("bitter")

a)error
b)butter
error
c)bitter
error
d) bitterbutter

ans: c

7) what is the output of following function?

try:

 l = [1,2,3]

 for i in l:

 print i,

 except:

 print “Exception raised”

 else:

 print “came to else block”

a) 1 2 3

b) Exception raised

c) 1 2 3 came to else block

d) error

Ans: c

8) what is the out put of following code

def a():

 try:

 print 4/0

 return 1

 except:

 print “raised zero devided by error”

 return 2

 finally:

 print “came to finally block”

a()

a) raised zero devided by error

2

b) 1

raised zero devided by error

c) raised zero devided by error

came to finally block

d) raised zero devided by error

came to finally block

2

Ans: c

9) what is the output of the following programe?

def met(b, a=10):

 print a, b

met(1, 2)

a) 1,2

b) 1, 10

c) 10, 1

d) 2, 1

ans: d

10) What is the output of following code?

**a = True**

**b = False**

**c = True**

**if not a or b:**

 **print "a"**

**elif not a or not b and c:**

 **print "b"**

**elif not a or b or not b and a:**

 **print "c"**

**else:**

 **print "d"**

(A)a(B)b(C)c(D)d

Ans: b