Zed-King

GROUP OF INSTITUTIONS

ISO 9001 : 2015 Certified

Model Test Paper 3

1 .What will be the output of the following Python code?

```
class Count:
def __init__(self, count = 0):
        self.__count = count

c1 = Count(2)
c2 = Count(2)
print(id(c1) == id(c2), end = " ")

s1 = "Good"
s2 = "Good"
print(id(s1) == id(s2))
```

A)True True
B)False False
C)True False
D)False True

2 .What function do you use to read a string?

A)input("Enter a string")
B)enter("Enter a string")
C)eval(input("Enter a string"))
D)eval(enter("Enter a string"))

3 .What will be the output of the following Python code?

```
print("Hello {name1} and {name2}".format(name1='foo', name2='bin'))
```

A)Hello foo and bin
B)Hello and
C)Hello {name1} and {name2}
D)Error

4 .What will be the output of the following Python code?

```
print("Hello {0[0]} and {0[1]}".format(('foo', 'bin')))
```

A)Error
B)Hello foo and bin
C)Hello ('foo', 'bin') and ('foo', 'bin')
D)None of the above

5 .What will be the output of the following Python code snippet?

```
print('{:,}'.format(223334))
```

A)223334
B)1,222,333,4
C)1,2,223,334
D)Error

6 .What will be the output of the following Python code?

```
print('{0:.2%}'.format(1/3))
```

A)0.33
B)0.33%
C)33%
D)33.33%

7 .What will be the output of the following Python code?

```
print('a B'.isalpha())
```

A)True
B)False
C)None
D)Error

8 .What will be the output of the following Python code snippet?

```
print('my_string'.isidentifier())
```

A)True
B)False
C)None
D)Error

9 .What will be the output of the following Python code snippet?

```
print('cd'.partition('cd'))
```

A)(”)
B)(‘cd’)
C)(‘cd’, ”, ”)
D)(”, ‘cd’, ”)

10 .What will be the output of the following Python code snippet?

```
print('abcdef'.replace('cd', ''))
```

A)abef
B)abcdef
C)abefcd
D)None of the above

11 .What will be the output of the following Python code snippet?

```
print('abcdefcdghcd'.split('cd'))
```

A)[‘ab’, ‘ef’, ‘gh’]
B)[‘ab’, ‘ef’, ‘gh’, ”]
C)(‘ab’, ‘ef’, ‘gh’)
D)(‘ab’, ‘ef’, ‘gh’, ”)

12 .Which of the following commands will create a list?

A)list1 = []
B)list1 = list()
C)list1 = list([1, 2, 3])
D)all of the mentioned

13 .Suppose list1 is [2445,3,454,3], what is max(list1)?

A)454
B)2445
C)3
D)3

14 .To shuffle the list(say list1) what function do we use?

A)shuffle(list1)
B)list1.shuffle()
C)random.shuffle(list1)
D)random.shuffleList(list1)

15 .Suppose list1 is [2, 33, 222, 14, 25], What is list1[:-1]?

A)25
B)[2, 33, 222, 14]
C)[25, 14, 222, 33, 2]
D)Error

16 .Suppose list1 = [0.5 * x for x in range(0, 4)], list1 is:

A)[0, 1, 2, 3]
B)[0, 1, 2, 3, 4]
C)[0.0, 0.5, 1.0, 1.5]
D)[0.0, 0.5, 1.0, 1.5, 2.0]

17 .What will be the output of the following Python code?

```
>>>list1 = [, 2, 23]
>>>list2 = [, 2, 2]
>>>list1 < list2 is
```

A)True
B)False
C)Error
D)None of the above

18 .To remove string “hello” from list1, we use which command?

A)list1.remove(“hello”)
B)list1.remove(hello)
C)list1.removeAll(“hello”)
D)list1.removeOne(“hello”)

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

A)0
B)1
C)2
D)3

20 .Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.extend([34, 5])?

A)[3, 4, 5, 20, 5, 25, 1, 3, 34, 5]
B)[1, 3, 3, 4, 5, 5, 20, 25, 34, 5]
C)[1, 3, 4, 5, 20, 5, 25, 3, 34, 5]
D)[25, 20, 5, 5, 4, 3, 3, 1, 34, 5]

21 .What will be the output of the following Python code?

```
>>>"Welcome to Python".split()
```

A)[“Welcome”, “to”, “Python”]
B)(“Welcome”, “to”, “Python”)
C){“Welcome”, “to”, “Python”}
D)“Welcome”, “to”, “Python”

22 .What will be the output of the following Python code?

```
myList = [1, 5, 5, 5, 5, 1]
max = myList[0]
indexOfMax = 0
for i in range(1, len(myList)):
if myList[i] > max:
      max = myList[i]
      indexOfMax = i

>>>print(indexOfMax)
```

A)1
B)2
C)3
D)4

23 .What will be the output of the following Python code?

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

for i in range(0, 6):
print(myList[i], end = " ")
```

A)1 1 2 3 4 5
B)2 3 4 5 6 1
C)2 3 4 5 6 6
D)6 1 2 3 4 5

24 .What will be the output of the following Python code?

```
def f(values):
values[0] = 44

v = [1, 2, 3]
f(v)
print(v)
```

A)[1, 44]
B)[1, 2, 3]
C)[1, 2, 3, 44]+
D)[44, 2, 3]

25 .What will be the output of the following Python code?

```
>>>m = [[x, x + 1, x + 2] for x in range(0, 3)]
```

A)[[1, 2, 3], [4, 5, 6], [7, 8, 9]]
B)[[0, 1, 2], [1, 2, 3], [2, 3, 4]]
C)[1, 2, 3, 4, 5, 6, 7, 8, 9]
D)[0, 1, 2, 1, 2, 3, 2, 3, 4]

26 .What will be the output of the following Python code?

```
values = [[3, 4, 5, 1], [33, 6, 1, 2]]
v = values[0][0]
for row in range(0, len(values)):
for column in range(0, len(values[row])):
      if v < values[row][column]:
            v = values[row][column]

print(v)
```

A)3
B)5
C)6
D)33

27 .What will be the output of the following Python code?

```
values = [[3, 4, 5, 1 ], [33, 6, 1, 2]]

for row in values:
row.sort()
for element in row:
      print(element, end = " ")
print()
```

A)The program prints on row 3 4 5 1 33 6 1 2
B)The program prints two rows 3 4 5 1 followed by 33 6 1 2
C)The program prints two rows 3 4 5 1 followed by 33 6 1 2
D)The program prints two rows 1 3 4 5 followed by 1 2 6 33

28 .What will be the output of the following Python code?

```
def m(list):
v = list[0]
for e in list:
if v < e: v = e
return v

values = [[3, 4, 5, 1], [33, 6, 1, 2]]

for row in values:
print(m(row), end = " ")
```

A)1 1
B)5 6
C)3 33
D)5 33

29 .What will be the output of the following Python code?

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

def ttt(m):
v = m[0][0]
```

```
for row in m:
      for element in row:
            if v < element: v = element

return v

print(ttt(data[0]))
```

A)1
B)2
C)4
D)5

30 .What will be the output of the following Python code snippet?

```
k = [print(i) for i in my_string if i not in "aeiou"]
```

A)prints all the vowels in my_string
B)prints all characters of my_string that aren't vowels
C)prints only on executing print(k)
D)prints all the consonants in my_string

31 .What will be the output of the following Python code snippet?

```
my_string = "hello world"
k = [(i.upper(), len(i)) for i in my_string]
print(k)
```

A)[('H', 1), ('E', 1), ('L', 1), ('L', 1), ('O', 1), (' ', 1), ('W', 1), ('O', 1), ('R', 1), ('L', 1), ('D', 1)]
B)[('HELLO', 5), ('WORLD', 5)]
C)[('HELLO WORLD',)]
D)None of the above

32 .What will be the output of the following Python code snippet?

```
x = [i**+1 for i in range(3)]; print(x);
```

A)[1, 2, 5]
B)[0, 1, 2]
C)error, ';' is not allowed
D)error, **+ is not a valid operator

33 .What will be the output of the following Python code snippet?

```
print([i.lower() for i in "HELLO"])
```

A)'hello'
B)hello
C)['hello']
D)['h', 'e', 'l', 'l', 'o']

34 .What will be the output of the following Python code snippet?

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

A)[[‘da’, ‘db’, ‘dc’], [‘ea’, ‘eb’, ‘ec’], [‘fa’, ‘fb’, ‘fc’]]
B)[[‘ad’, ‘bd’, ‘cd’], [‘ae’, ‘be’, ‘ce’], [‘af’, ‘bf’, ‘cf’]]
C)[‘da’, ‘ea’, ‘fa’, ‘db’, ‘eb’, ‘fb’, ‘dc’, ‘ec’, ‘fc’]
D)[‘ad’, ‘ae’, ‘af’, ‘bd’, ‘be’, ‘bf’, ‘cd’, ‘ce’, ‘cf’]

35 .Which of the following is the same as list(map(lambda x: x**-1, [1, 2, 3]))?
A)[x**-1 for x in [(1, 2, 3)]]
B)[1/x for x in [(1, 2, 3)]]
C)[1/x for x in (1, 2, 3)]
D)None of the above

36 .Read the information given below carefully and write a list comprehension such that the output is: [‘e’, ‘o’]

```
w="hello"
v=('a', 'e', 'i', 'o', 'u')
```

A)[x for w in v if x in v]
B)['e', 'o']
C)[x for x in v if w in v]
D)[x for v in w for x in w]

37 .What will be the output of the following Python code?

```
t=32.00
[round((x-32)*5/9) for x in t]
```

A)0
B)[0]
C)[0.00]
D)Error

38 .Write a list comprehension for producing a list of numbers between 1 and 1000 that are divisible by 3.
A)[x%3 for x in range(1, 1000)]
B)[x in range(1, 1000) if x%3==0]
C)[x for x in range(1000) if x%3==0]
D)[x%3=0 for x in range(1, 1000)]

39 .Write a list comprehension equivalent for the Python code shown below.

```
for i in range(1, 101):
      if int(i*0.5)==i*0.5:
            print(i)
```

A)[i for i in range(1, 100) if int(i*0.5)==(i*0.5)]
B)[i for i in range(1, 101) if int(i*0.5)==(i*0.5)]
C)[i for i in range(1, 101) if int(i*0.5)=(i*0.5)]
D)[i for i in range(1, 100) if int(i*0.5)=(i*0.5)]

40 .Write a list comprehension to produce the list: [1, 2, 4, 8, 16……2].
A)[(2**x) for x in range(0,)]
B)[(x**2) for x in range(1,)]
C)[(2**x) for x in range(1,)]
D)[(x**2) for x in range(0,)]

41 .What will be the output of the following Python code?

```
l=["good", "oh!", "excellent!", "#450"]
[n for n in l if n.isalpha() or n.isdigit()]
```

A)[‘good’]
B)[‘good’, ‘#450’]
C)[‘oh!’, ‘excellent!’, ‘#450’]
D)[‘good’, ‘oh’, ‘excellent’, ‘450’]

42 .What will be the output of the following Python code?

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

A)[1, 2, 3]
B)[1, 4, 7]
C)[3, 6, 9]
D)[4, 5, 6]

43 .What will be the output of the following Python code?

```
A = [[1, 2, 3],
[4, 5, 6],
[7, 8, 9]]
[A[row][1] for row in (0, 1, 2)]
```

A)[1, 4, 7]
B)[2, 5, 8]
C)[4, 5, 6]
D)[7, 8, 9]

44 .What will be the output of the following Python code?

```
l=[[1, 2, 3], [4, 5, 6]]
for i in range(len(l)):
      for j in range(len(l[i])):
             l[i][j]+=10
l
```

A)Error
B)No output
C)[[1, 2, 3], [4, 5, 6]]
D)[[, ,], [14, 15, 16]]

45 .What will be the output of the following Python code?

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

[[col + 10 for col in row] for row in A]
```

A)Error
B)[, , , 14, 15, 16, 17, 18, 19]
C)[[, ,], [14, 15, 16], [17, 18, 19]]
D)[, ,], [14, 15, 16], [17, 18, 19]

46 .What will be the output of the following Python code?

```
A = [[1, 2, 3],
[4, 5, 6],
[7, 8, 9]]
B = [[3, 3, 3],
[4, 4, 4],
[5, 5, 5]]
[[col1 * col2 for (col1, col2) in zip(row1, row2)] for (row1, row2) in zip(A, B)]
```

A)Error
B)No output
C)[[3, 6, 9], [16, 20, 24], [35, 40, 45]]
D)[0, 30, 60, 0, 160, 200, 300, 350, 400]

47 .Suppose t = (1, 2, 4, 3), which of the following is incorrect?

A)print(t[3])
B)t[3] = 45
C)print(len(t))
D)print(max(t))

48 .What will be the output of the following Python code?

```
>>>t=(1,2,4,3)
>>>t[1:3]
```

A)(1, 2)
B)(1, 2, 4)
C)(2, 4)
D)(2, 4, 3)

49 .What will be the output of the following Python code?

```
>>>t = (1, 2, 4, 3, 8, 9)
>>>[t[i] for i in range(0, len(t), 2)]
```

A)[1, 2, 4, 3, 8, 9]
B)[2, 3, 9]
C)(1, 4, 8)
D)[1, 4, 8]

50 .What will be the output of the following Python code?

```
numberGames = {}
numberGames[(1,2,4)] = 8
numberGames[(4,2,1)] = 10
numberGames[(1,2)] =
sum = 0
for k in numberGames:
sum += numberGames[k]
print len(numberGames) + sum
```

A)33
B)30
C)24
D)45

51 . Is the following Python code valid?

```
>>> a,b=1,2,3
```

A)Yes, this is an example of tuple unpacking. a=1 and b=2
B)Yes, this is an example of tuple unpacking. a=(1,2) and b=3
C)Yes, this is an example of tuple unpacking. a=1 and b=(2,3)
D)No, too many values to unpack

52 .What will be the output of the following Python code?

```
>>> a,b=6,7
>>> a,b=b,a
>>> a,b
```

A)(6,7)
B)(7,6)
C)Invalid syntax
D)Nothing is printed

53 .Is the following Python code valid?

```
>>> a=2,3,4,5
>>> a
```

A)Yes, 2 is printed
B)Yes, [2,3,4,5] is printed
C)Yes, (2,3,4,5) is printed
D)No, too many values to unpack

54 .Is the following Python code valid?

```
>>> a=(1,2,3)
>>> b=a.update(4,)
```

A)Yes, a=(1,2,3) and b=(1,2,3,4)
B)Yes, a=(1,2,3,4) and b=(1,2,3,4)
C)No because wrong syntax for update() method
D)No because tuples are immutable

55 .Which of the following is not the correct syntax for creating a set?
A)set([[1,2],[3,4]])
B)set([1,2,2,3,4])
C)set((1,2,3,4))
D){1,2,3,4}

56 .What will be the output of the following Python code?

```
a = [5,5,6,7,7,7]
b = set(a)
def test(lst):
if lst in b:
        return 1
else:
        return 0
for i in  filter(test, a):
print(i,end=" ")
```

A)5 5 6
B)5 6 7

C)5 5 6 7 7 7

D)5 6 7 7 7

57 .What will be the output of the following Python code?

```
>>> a={5,4}
>>> b={1,2,4,5}
>>> a<b
```

A)True

B)False

C){1,2}

D)Invalid operation

58 .What will be the output of the following Python code?

```
>>> a={4,5,6}
>>> b={2,8,6}
>>> a-b
```

A){6}

B){4,5}

C)Error as unsupported operand type for set data type

D)Error as the duplicate item 6 is present in both sets

59 .What will be the output of the following Python code?

```
>>> a={3,4,5}
>>> b={5,6,7}
>>> a|b
```

A){5}

B){3,4,6,7}

C){3, 4, 5, 6, 7}

D)Invalid operation

60 .What will be the output of the following Python code?

```
s=set()
type(s)
```

A)<class 'set'>

B)<'set'>

C)class set

D)set

61 .Which of the following lines of code will result in an error?

A)s={abs}

B)s={san}

C)s={4, 'abc', (1,2)}

D)s={2, 2.2, 3, 'xyz'}

62 .Write a list comprehension for number and its cube for:

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

A)[x**3 for x in l]

B)[x^3 for x in l]

C)[x**3 in l]

D)[x^3 in l]

63 .What will be the output of the following Python code?

```
s1={3, 4}
s2={1, 2}
s3=set()
i=0
j=0
for i in s1:
for j in s2:
        s3.add((i,j))
        i+=1
        j+=1
print(s3)
```

A)Error
B){(3, 4), (1, 2)}
C){(3, 1), (4, 2)}
D){(4, 2), (3, 1), (4, 1), (5, 2)}

64 .The ____ function removes the first element of a set and the last element of a list.
A)pop
B)remove
C)dispose
D)discard

65 .If we have two sets, s1 and s2, and we want to check if all the elements of s1 are present in s2 or not, we can use the function:
A)s1.isset(s2)
B)s2.issubset(s1)
C)s2.issuperset(s1)
D)s1.issuperset(s2)

66 .What will be the output of the following Python code snippet?

```
>>> a={1:"A",2:"B",3:"C"}
>>> del a
```

A)del deletes the entire dictionary
B)del deletes the values in the dictionary
C)del deletes the keys in the dictionary
D)method del doesn't exist for the dictionary

67 .What will be the output of the following Python code snippet?

```
total={}
def insert(items):
if items in total:
        total[items] += 1
else:
        total[items] = 1
insert('Apple')
insert('Ball')
insert('Apple')
print (len(total))
```

A)0
B)1
C)2
D)3

68 .What will be the output of the following Python code snippet?

```
numbers = {}
letters = {}
comb = {}
numbers[1] = 56
numbers[3] = 7
letters[4] = 'B'
comb['Numbers'] = numbers
comb['Letters'] = letters
print(comb)
```

A){'Numbers': {1: 56}, 'Letters': {4: 'B'}}
B){'Numbers': {1: 56, 3: 7}, 'Letters': {4: 'B'}}
C)'Numbers': {1: 56, 3: 7}
D)Error, dictionary in a dictionary can't exist

69 .What will be the output of the following Python code snippet?

```
test = {1:'A', 2:'B', 3:'C'}
del test[1]
test[1] = 'D'
del test[2]
print(len(test))
```

A)2
B)1
C)0
D)Error as the key-value pair of 1:'A' is already deleted

70 .What will be the output of the following Python code snippet?

```
a={}
a['a']=1
a['b']=[2,3,4]
print(a)
```

A){'b': [2], 'a': 1}
B){'b': [2], 'a': [3]}
C){'b': [2, 3, 4], 'a': 1}
D)Exception is thrown

71 .What will be the output of the following Python code snippet?

```
>>>import collections
>>> b=collections.Counter([2,2,3,4,4,4])
>>> b.most_common(1)
```

A){3:1}
B){4:3}
C)[(4, 3)]
D)Counter({4: 3, 2: 2, 3: 1})

72 .What will be the output of the following Python code snippet?

```
>>> import collections
>>> a=collections.Counter([2,2,3,3,3,4])
>>> b=collections.Counter([2,2,3,4,4])
>>> a|b
```

A)Counter({3: 3, 2: 2, 4: 2})
B)Counter({2: 2, 3: 1, 4: 1})
C)Counter({3: 2})
D)Counter({4: 1})

73 .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

74 .What will be the output of the following Python function?

```
any([2>8, 4>2, 1>2])
```

A)True
B)False
C)4>2
D)Error

75 .What will be the output of the following Python function?

```
min(max(False,-3,-4), 2,7)
```

A)2
B)-3
C)-4
D)False

76 .Suppose there is a list such that: l=[2,3,4]. If we want to print this list in reverse order, which of the following methods should be used?
A)list(reversed(l))
B)list(reverse[(l)])
C)reversed(l)
D)reverse(l)

77 .Which of the following functions does not throw an error?
A)ord()
B)ord(‘ ‘)
C)ord(”)
D)ord(“”)

78 .What will be the output of the following Python code?

```
def printMax(a, b):
if a > b:
    print(a, 'is maximum')
elif a == b:
    print(a, 'is equal to', b)
else:
    print(b, 'is maximum')
printMax(3, 4)
```

A)3 B)4
C)4 is maximum D) None of the above

79 .What will be the output of the following Python code?

```
def maximum(x, y):
if x > y:
        return x
elif x == y:
        return 'The numbers are equal'
else:
        return y

print(maximum(2, 3))
```

A)2 B)3
C)The numbers are equal D)None of the above

80 .Which are the advantages of functions in python?
A)Reducing duplication of code
B)Improving clarity of the code
C)Decomposing complex problems into simpler pieces
D)All of the mentioned

81 .What will be the output of the following Python code?

```
def cube(x):
return x * x * x
x = cube(3)
print x
```

A)3 B)9
C)27 D)30

82 .What is a variable defined inside a function referred to as?
A)A global variable B)A volatile variable
C)A local variable D)An automatic variable

83 .What will be the output of the following Python code?

```
i=0
def change(i):
i=i+1
return i
change(1)
print(i)
```

A)0 B)1
C)Nothing is displayed D)An exception is thrown

84 .What will be the output of the following Python code?

```
def a(b):
b = b + [5]

c = [1, 2, 3, 4]
a(c)
print(len(c))
```

A)4 B)5
C)An exception is thrown D)None of the above

85 .What will be the output of the following Python code?

```
def display(b, n):
while n > 0:
      print(b,end="")
      n=n-1
display('z',3)
```

A)zzz B)zz
C)Infinite loop D)None of the above

86 .What is the length of sys.argv?
A)number of arguments B)number of arguments + 1
C)number of arguments – 1 D)None of the above

87 .What will be the output of the following Python code?

```
def foo(k):
k[0] = 1
q = [0]
foo(q)
print(q)
```

A)[1, 0] B)[0, 1]
C)[0] D)[1]

88 .What will be the output of the following Python code?

```
def foo(fname, val):
print(fname(val))
foo(max, [1, 2, 3])
foo(min, [1, 2, 3])
```

A)3 1 B)1 3
C)Error D)None of the above

89 .What will be the output of the following Python code?

```
def foo(x):
x = ['def', 'abc']
return id(x)
q = ['abc', 'def']
print(id(q) == foo(q))
```

A)True
B)False
C)Error
D)None

90 .What will be the output of the following Python code?

```
def foo(i, x=[]):
x.append(i)
return x
for i in range(3):
print(foo(i))
```

A)[0] [1] [2]
B)[1] [2] [3]
C)[0] [0, 1] [0, 1, 2]
D)[1] [1, 2] [1, 2, 3]

91 .What will be the output of the following Python code?

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

A)Error
B)no output
C)15
D)15

92 .What will be the output of the following Python code?

```
def san(x):
print(x+1)
x=-2
x=4
san()
```

A)2
B)5
C)10
D)35

93 .What will be the output of the following Python code?

```
x=
def f1(a,b=x):
print(a,b)
x=15
```

```
f1(4)
```

A)4 B)4
C)4 15 D)Error

94 .Fill in the line of the following Python code for calculating the factorial of a number.

```
def fact(num):
if num == 0:
        return 1
else:
        return ________
```

A)num*fact(num-1) B)(num-1)*(num-2)
C)fact(num)*fact(num-1) D)num*(num-1)

95 .What will be the output of the following Python code?

```
def test(i,j):
if(i==0):
        return j
else:
        return test(i-1,i+j)
print(test(4,7))
```

A)Infinite loop B)7
C)4 D)17

96 .What will be the output of the following Python code?

```
l=[]
def convert(b):
if(b==0):
        return l
dig=b%2
l.append(dig)
convert(b//2)
convert(6)
l.reverse()
for i in l:
print(i,end="")
```

A)0 B)0
C)Infinite loop D)None of the above

97 .What will be the output of the following Python code?

```
def fun(n):
if (n > 100):
        return n - 5
return fun(fun(n+));
```

```
print(fun(45))
```

A)50 B)74
C)100 D)Infinite loop

98 .What will be the output of the following Python code?

```
def check(n):
if n < 2:
        return n % 2 == 0
return check(n - 2)
print(check())
```

A)True B)False
C)An exception is thrown D)None of the above

99 .What will be the output of the following Python code?

```
def a(n):
if n == 0:
        return 0
elif n == 1:
        return 1
else:
        return a(n-1)+a(n-2)
for i in range(0,4):
print(a(i),end=" ")
```

A)An exception is thrown B)0 1 2 3
C)0 1 1 2 3 D)0 1 1 2

100 .What will be the output of the following Python code?

```
a = [1, 2, 3, 4, 5]
b = lambda x: (b (x[1:]) + x[:1] if x else [])
print(b (a))
```

A)1 2 3 4 5 B)[5,4,3,2,1]
C)[ ] D)None of the above