1. What is the output of the following?

i = 0

while i < 5:

print(i)

i += 1

if i == 3:

break

else:

print(0)

a) 0 1 2 0 b) 0 1 2 c) error d) none

2. What is the output of the following?

i = 0

while i < 3:

print(i)

i += 1

else:

print(0)

a) 0 1 2 3 0 b) 0 1 2 0 c) 0 1 2 c) error

3. What is the output of the following?

x = "abcdef"

i = "i"

while i in x:

print(i, end=" ")

a) no output b) i i i i i i . . . c) a b c d e f d) abcdef

4. What is the output of the following?

for i in range(int(2.0)):

print(i)

a) 0.0 1.0 b) 0 1 c) error d) none

5. What is the output of the following?

for i in ''.join(reversed(list('abcd'))):

print (i)

a) a b c d b) d c b a c) error d) none

6. What is the output of the following?

x = 2

for i in range(x):

x += 1

print (x)

a) 0 1 2 3 4 . . . b) 0 1 c) 3 4 d) 0 1 2 3

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

names = ['Amir', 'Bear', 'Charlton', 'Daman']

print(names[-1][-1])

a) A b) Daman c) Error d) n

8. 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]

9. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3],

what is list1.count(5) ?

a) 0 b) 4 c) 1 d) 2

10. What is the output of the following?

string = "my name is x"

for i in string:

print (i, end=",")

a) m, y, , n, a, m, e, , i, s, , x,

b) mynameisx

c) my, name, is, x,

d) error

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

a) print(t[3])

b) t[3] = 45

c) print(max(t))

d) print(len(t))

12. What is the output of the code shown below?

l1=[1,2,3]

l2=[4,5,6]

[x\*y for x in l1 for y in l2]

a) [4, 8, 12, 5, 10, 15, 6, 12, 18]

b) [4, 10, 18]

c) [4, 5, 6, 8, 10, 12, 12, 15, 18]

d) [18, 12, 6, 15, 10, 5, 12, 8, 4]

13. The output of which of the codes shown below will be: “There are 4 blue birds.”?

a) ‘There are %g %d birds.’ %4 %blue

b) ‘There are %d %s birds.’ %(4, blue)

c) ‘There are %s %d birds.’ %[4, blue]

d) ‘There are %d %s birds.’ 4, blue

14. What is the output of the code shown below?

x=1234

res='integers:...%d...%-6d...%06d' %(x, x, x)

res

a) ‘integers:…1234…1234 …001234’

b) ‘integers…1234…1234…123400’

c) ‘integers:… 1234…1234…001234’

d) ‘integers:…1234…1234…001234’

15. What is the output of the code shown below?

'%x %d' %(255, 255)

a) ‘ff, 255’

b) ‘255, 255’

c) ‘15f, 15f’

d) Error

16. What will be the output?

d = {"tom":40, "peter":45}

"tom" in d

a) False b) True c) None d) Error

17. What is returned by math.ceil(3.4)?

a) 3 b) 4 c) 4.0 d) 3.0

18 What is the value returned by math.floor(3.4)?

a) 3 b) 4 c) 4.0 d) 3.0

19. What is the output of the following code?

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

for i,j in a.items():

print(i,j,end=" ")

a) 1 A 2 B 3 C b) 1 2 3 c) A B C d) 1:”A” 2:”B” 3:”C”

20, What is the output of the following code?

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

print(a.get(5,4))

a) Error b) A c) 5 d) 4

21. What is the output of the following code?

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

a.setdefault(4,"D")

print(a)

a) {1: ‘A’, 2: ‘B’, 3: ‘C’, 4: ‘D’}

b) None

c) Error

d) [1,3,6,10]

22. What is the output of the following piece of code?

s="a@b@c@d"

a=list(s.partition("@"))

print(a)

b=list(s.split("@",3))

print(b)

a) [‘a’,’b’,’c’,’d’]. [‘a’,’b’,’c’,’d’].

b) [‘a’,’@’,’b’,’@’,’c’,’@’,’d’].[‘a’,’b’,’c’,’d’].

c) [‘a’,’@’,’b@c@d’].[‘a’,’b’,’c’,’d’].

d) [‘a’,’@’,’b@c@d’].[‘a’,’@’,’b’,’@’,’c’,’@’,’d’]

23. What is the output of the following code?

class test:

def \_\_init\_\_(self,a="Hello World"):

self.a=a

  def display(self):

print(self.a)

obj=test()

obj.display()

a) The program has an error because constructor can’t have default arguments  
b) Nothing is displayed  
c) “Hello World” is displayed  
d) The program has an error display function doesn’t have parameters

24. What is the output of the following code?

class change:

def \_\_init\_\_(self, x, y, z):

self.a = x + y + z

x = change(1,2,3)

y = getattr(x, 'a')

setattr(x, 'a', y+1)

print(x.a)

a) 6 b) 7 c) Error d) 0

25. class test:

def \_\_init\_\_(self):

self.variable = 'Old'

self.Change(self.variable)

def Change(self, var):

var = 'New'

obj=test()

print(obj.variable)

a) Error because function change can’t be called in the \_\_init\_\_ function  
b) ‘New’ is printed  
c) ‘Old’ is printed  
d) Nothing is printed

26.What is the output of the following code?

class Demo:

def \_\_init\_\_(self):

pass

def test(self):

print(\_\_name\_\_)

obj = Demo()

obj.test()

a) Exception is thrown  
b) \_\_main\_\_  
c) Demo  
d) test

27. What is the output of the following piece of code?

class stud:

def \_\_init\_\_(self, roll\_no, grade):

self.roll\_no = roll\_no

self.grade = grade

def display (self):

print("Roll no : ", self.roll\_no, ", Grade: ", self.grade)

stud1 = stud(34, ‘S’)

stud1.age=7

print(hasattr(stud1, 'age'))

a. False

b. 7

c. True

d. Error as age isn’t defined

28. Which of the following is not a class method?

a. Unbounded

b. Bounded

c. Static

d. Non-static

29. 6. Which of the following is not a standard exception in Python?

AssignmentError

IOError

NameError

ValueError

30. What is the output of the following code?

class Demo:

def \_\_init\_\_(self):

self.a = 1

self.\_\_b = 1

def display(self):

return self.\_\_b

obj = Demo()

print(obj.\_\_b)

a. The program has an error because b is private and display(self) is returning a private member

b. The program has an error because b is private and hence can’t be printedcorrect

c. The program runs fine and 1 is printed

d. The program has an error because there isn’t any function to return self.a