



08-NOV-2021

Max. Marks: 35**Time: 90 Minutes**

Roll No:

- *The question paper is divided into 3 Sections - A, B and C.*
- *Section A, consist of 25 Questions (1-25). Attempt any 20 questions.*
- *Section B, consist of 24 Questions (26-49). Attempt any 20 questions.*
- *Section C, consist of 6 case study-based Questions (50-55). Attempt any 5 questions.*
- *All questions carry equal marks*
- *This question paper consists of 10 printed pages.*
- *All answers to be marked in the OMR sheet provided.*

This section consists of 25 Questions (1 to 25). Attempt any 20 questions from this section. Choose the best possible option.

- Page 1 of 10

```
result.extend(i for i in list2 if i not in (list1+list3) and i not in result)
result.extend(i for i in list3 if i not in (list1+list2) and i not in result)
print(result)
```

- a. [1,3,5,7,8]
- b. [1,7,8]
- c. [1,2,4,7,8]
- d. Error

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

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

- a. [1,3]
- b. [1,3,4]
- c. [4,3]
- d. [1,4]

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

Which of the following Python statements will result in the output: 6

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

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

```
f = None
for i in range (5):
    with open("data.txt", "w") as f:
        if i > 2:
            break
print(f.closed)
```

- a. True
- b. False
- c. None
- d. Error

9. Suppose d = {"john":40, "peter":45}, to delete the entry for "john" what command do we use?

- a. d.delete("john":40)
- b. d.delete("john")
- c. del d["john"]
- d. del d("john":40)

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

```
a={1:"A",2:"B",3:"C"}
print(a.get(1,4))
```

- a. 1
- b. A
- c. 4
- d. Error

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

```
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. [1,2,3]
- d. [1,2,3,4]

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

```
a={1:"A",2:"B",3:"C"}
b=a.copy()
b[2]="D"
print(a)
```

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

```
def insert(items):
```

```
total[items] += 1
```

```
total[items] = 1
```

```
insert('Ball')
```

```
print (len(total))
```

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

```
print(a)
```

15. Which of the following functions is a built-in function in python?

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

a. -12345.0

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

$$\mathbf{i} = \mathbf{i} + \mathbf{j}$$
$$j = j + 1$$

```
print(i, j)
```

```
change(j = 1, i = 2)
```

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

$$k[0] = 1$$
$$\mathbf{q} = [0]$$
$$\text{fun1}(q)$$

```
print(q)
```

- a. [0] b. [1]
c. [0,1] d. [1,0]

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

Section-B

This section consists of 24 Questions (26 to 49). Attempt any 20 questions

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

```
colors = ['red', 'green', 'blue', 'yellow']
colors.insert(colors.index('blue'), 'orange')
print(colors)
```

- | | |
|---|--|
| a. ['red', 'orange', 'green', 'blue', 'yellow'] | b. ['red','green', 'orange', 'blue', 'yellow'] |
| c. ['orange', 'red', 'green', 'blue', 'yellow'] | d. ['red','green', 'blue', 'yellow', 'orange'] |

27. 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. 3 33 | b. 1 1 |
| c. 5 6 | d. 5 33 |

28. What is the output:

```
print(not(4>3),end=' ')
print(not(5&5))
```

- | | |
|----------------|---------------|
| a. False False | b. None None |
| c. True True | d. True False |

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

```
a=[1,2,3]
b=a.append(4)
print(a)
print(b)
```

- | | |
|--------------|--------------|
| a. [1,2,3,4] | b. [1,2,3] |
| [1,2,3,4] | [1,2,3,4] |
| c. [1,2,3,4] | d. [1,2,3,4] |
| None | [1,2,3] |

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

```
x = 'abcd'
for i in range(len(x)):
    x[i].upper()
print (x)
```

- | | |
|---------|----------|
| a. abcd | b. ABCD |
| c. ABCd | d. Error |

31. Find the output:-

```
print(bool('False') , end=' ')
print(bool())
```

- a. False True b. None None
c. True True d. True False

32. What will be the output of the following Python code?
`a=[10,23,56,[78]]
b=list(a)
a[3][0]=95
a[1]=34
print(b)`

a. [10,34,56,[95]] b. [10,23,56,[78]]
c. [10,23,56,[95]] d. [10,34,56,[78]]

33. What is the output:
`L = list('123456')
L[0] = L[5] = 0
L[3] = L[-2]
print(L)`

a. [0, '2', '3', '4', '5', 0] b. ['6', '2', '3', '5', '5', '6']
c. ['6', '2', '3', '5', '5', '6'] d. [0, '2', '3', '5', '5', 0]

34. Find the output:
`tup = {}
tup[(1,2,4)] = 8
tup[(4,2,1)] = 10
tup[(1,2)] = 12
sum1 = 0
for k in tup:
 sum1 += tup[k]
print(len(tup) + sum1)`

a. 34 b. 12
c. 31 d. 33

35. Find the output:
`D = {1 : 1, 2 : '2', '1' : 2, '2' : 3}
D['1'] = 2
print(D[D[D[str(D[1])]])])`

a. 2 b. 3
c. '2' d. '1'

36. What is the output of the below program?
`list1 = range(100, 110)
print(list1.index(105))`

a. 4 b. 5
c. 6 d. Error

37. When iterating over an object returned from `csv.reader()`, what is returned with each iteration?

a. The column data as a list b. The full line of the file as a string
c. Individual value data separated by a delimiter d. The row data as a list

38. What is the value of the expression:
`1+2**3*4`

- a. 33
c. 108
- b. 36
d. 68
39. Find the output:
d={1:"Amazon" , 2:"Nile" , 3:"Danube" , 4:"Indus"}
while d:
 print(d.popitem())
print("Done")
- a. (4, 'Indus')
 (3, 'Danube')
 (2, 'Nile')
 (1, 'Amazon')
 Done
- b. (4, 'Indus')
 (3, 'Danube')
 (2, 'Nile')
 (1, 'Amazon')
- c. (4, 'Indus')
- d. (4, 'Indus')
 Done
40. Find the output:
s=""
n=5
while n>0:
 n-=1
 if n%2==0:
 continue
 a=['Python' , 'Java' , 'C++']
 while a:
 s+=str(n)+a.pop(0)
 if len(a)<2:
 break
print(s)
- a. PythonJavaPythonJava
- b. 3Python1Java
- c. 3Python3Java1Python1Java
- d. 3Python2Java1C++
41. Find the output:
a=True
b=False
c=False
if not a or b:
 print("Hello")
elif not a or not b and c:
 print("Welcome")
elif not a or b or not b and a:
 print("Programming")
else:
 print("Goodbye")
- a. Hello
- b. Programming
- c. Welcome
- d. Goodbye
42. Find the output:-
D=dict()

```

for i in range(3):
    for j in range(5):
        D[i]=j

```

```

print(D)

```

a. {0: 4, 1: 4, 2: 4}

c. {0: 1, 1: 2, 2: 3}

b. {0: [1,2,3,4], 1: [1,2,3,4], 2:[1,2,3, 4]}

d. {0: 1, 1: 2, 2: 3, 3:4 , 4: 5}

43. Find the output:

```

value=[1,2,3,4]

```

```

data=0

```

```

try:

```

```

    data=value[4]

```

```

except IndexError:

```

```

    print("Error 1",end='%')

```

```

except:

```

```

    print("Error 2",end='#')

```

```

finally:

```

```

    print("Error 3",end='$')

```

a. Error 1%

c. Error 1%Error 2#Error 3\$

b. Error 1

d. Error 1%Error 3\$

44. Find the output:

```

L=[1,3,5,7,9]

```

```

print(L.pop(-3),end='&')

```

```

print(L.remove(L[0]),end='@')

```

```

print(L)

```

a. 5&None@[3, 7, 9]

c. None&None@[3, 7, 9]

b. 5&1@[3, 7, 9]

d. [3,7,9]

45. Find the output:

```

from math import *

```

```

a=12.3

```

```

b=33.7777

```

```

c=-3.12

```

```

print(int(a),floor(b),ceil(c),fabs(c),sep='% ',end='$')

```

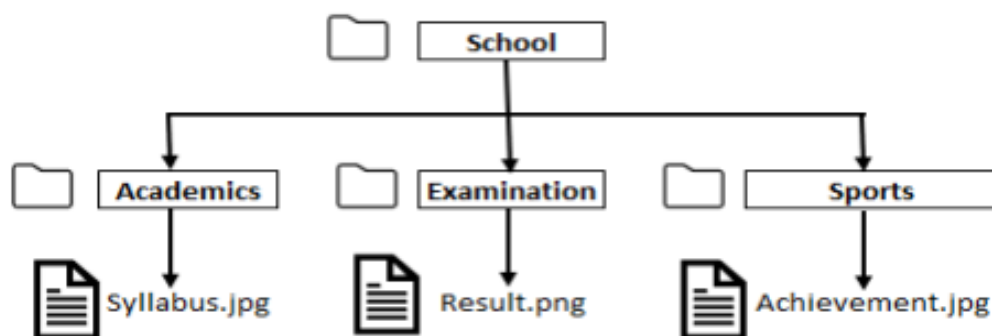
a. 12%33%-3%3.12

c. 12%33%-4%3.12

b. 12%33%-3%3.12\$

D. 12%33%-4%3.12\$

46. Consider the following directory structure



Suppose the current working directory is Academics. What is the absolute path of file Achievement.jpg?

- a. ./Sports/Achievement.jpg
- b. Achievement.jpg
- c. ./ Sports/Achievement.jpg
- d. School/Sports/Achievement.jpg

47. Find the output:

```
L=[5,7.8,"Python",True,0,"Java",None,4,False,9.2]
```

```
val1=0
```

```
val2=""
```

```
for x in L:
```

```
    if type(x)==int or type(x)==float :
```

```
        val1+=x
```

```
    elif type(x)==str:
```

```
        val2+=x
```

```
    elif type(x)==bool:
```

```
        val1-=x
```

```
    else:
```

```
        break
```

```
print(val1,val2)
```

- a. 11.8 PythonJava
- b. 12.8 Python
- c. 25 PythonJava
- d. 26 PythonJava

48. Why is it considered a good practice to open a file from within a Python script using the with keyword?

- a. The with keyword helps you choose which application to open the file in
- b. The with keyword acts like a loop and helps you access each line in the file
- c. The with keyword ensures that the file is closed even if an exception arises
- d. The with keyword reduces the program size and improves modularity

49. What is the output:

```
check1=['Learn','Quiz','Practice']
```

```
check2=check1
```

```
check3=check1[:]
```

```
check2[0]="Python"
```

```
check3[1]="Java"
```

```
count=0
```

```
for c in (check1 ,check2,check3):
```

```
    if c[0]=="Python":
```

```
        count=count+5
```

```
    if c[1]=="Java":
```

```
        count=count+10
```

```
print(count)
```

- a. 20
- b. 45
- c. 25
- d. 30

Section-C (Case Study based Question)

This section consists of 6 Questions (50 -55). Attempt any 5 questions

Rahul is given an incomplete program “data.csv”. Help him complete the program.

```
import _____ #statement 1
with _____: #statement 2
r = csv._____(f) #statement 3
for row in _____: #statement 4
    print(_____) #statement 5
```

50. Fill in the blank in Statement 2

- a. open("data.csv") as f
- b. f=open("data.csv")
- c. Both A & B are Correct
- d. Both A & B are incorrect

51. Fill in the blank in Statement 3

- a. load()
- b. read()
- c. reader()
- d. readlines()

52. Fill in the blank in Statement 4

- a. f
- b. r
- c. row
- d. r,f

53. Fill in the blank in Statement 5

- a. f
- b. r
- c. row
- d. r,f

54. Fill in the blank in Statement 1

- a. pickle
- b. csv
- c. sys
- d. os

55. If Rahul wants to write the data which he read to another csv file , he needs to a create a _____ object.

- a. reader()
- b. writer()
- c. readline()
- d. writeline()
