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SECTION-I

Answer all the Multiple Choice Questions and Each Caries 1 Mark 25 x 1 =25 Marks

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Q1). 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

ANS: (a)

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Q2) 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) 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

ANS: (c)

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Q3) What will be the output of the following Python code?

def nit(values):

values[0] = 44

#Main Program

vals = [1, 2, 3]

nit(vals)

print(vals)

a) [1, 44]

b) [1, 2, 3, 44]

c) [44, 2, 3]

d) [1, 2, 3]

ANS: (c)

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Q4). What will be the output of the following Python code?

x = ['ab', 'cd']

for i in x:

x.append(i.upper())

print(x)

a) [‘AB’, ‘CD’]

b) [‘ab’, ‘cd’, ‘AB’, ‘CD’]

c) [‘ab’, ‘cd’]

d) none of the mentioned

ANS: (b)

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Q5) How to compare two objects and check whether they have the same memory Address OR Reference?

a) Bitwise operators

b) Membership operators

c) Relational Operator

d) Identity operators

ANS: (d)

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Q6). What will be the Correct Order of output for the following Python code?

d={10:"Python",20:"Java",30:"HTML",40:"C"}

x=d.get(10)

y=d.get(100)

z=d[20]

print(x,y,z)

a) Python Java None

b) Python None Java

c) None,Java,Python

d) Python,IndexError,Java

ANS: (b)

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Q7). What will be the output for the following Python code?

s1={"Python","C","HTML"}

s2={"C","Python","Django"}

s3=s1|s2

print(s3)

a) SyntaxError

b) TypeError

c) All Unique Elements of s1 and s2 and placed in s3

d) None

ANS: (c)

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Q8) What will be the output of the following Python code?

i = 1

while True:

if i%9 == 0:

break

print(i)

i += 2

a) 1 3 5 7

b) 2 3 7 5

c) 3 1 3 5

d) Infinite Loop

ANS: (a)

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Q9) What will be the output of the following Python code?

x={}

print(x,type(x))

a) set() <class,'set'>

b) {} <class,'set'>

c) {} <class,'dict'>

d) None <class,NoneType>

ANS: (c)

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Q10) What will be the output of the following Python code?

x = 'abcd'

for i in x:

print(i)

x.upper()

a) a B C D

b) a b c d

c) A B C D

d) error

ANS: (b)

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Q11) What will be the output of the following Python code?

s="PYTHON"

print(s[::-2]

a) OTP

b) NHP

c) NHY

d) IndexError

ANS: (c)

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Q12) What will be the output of the following Python code?

x = {i:i\*\*2 for i in range(3)}

for i in x:

print(i)

a) 1 2 3

b) {0:0,1:1,2:4}

c) { 0:1 , 1:1: 2:4}

d) 0 1 2

ANS: (d)

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Q13) What will be the output of the following code snippet?

x = 123

for i in x:

print(i)

a) 1

2

3

b) ValueError

c) TypeError

d) None

ANS: (c)

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Q14) What will be the output of the following code snippet?

list1 = [1, 3]

list2 = list1

list1[0] = 4

print(list2)

a) [1, 3]

b) [4, 3]

c) [1, 4]

d) [1, 3, 4]

ANS: (b)

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Q15) What will be the output of the following code snippet?

{}.pop(3)

a) IndexError

b) TypeError

c) ValueError

d) KeyError:3

ANS: (d)

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Q16) What will be the output of the following code snippet?

s1={10,20,30,40,50}

print(s1[2])

a) 30

b) ValueError

c) TypeError

d) KeyError

ANS: (c)

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Q17) What will be the output of the following code snippet?

t=(20,3,4,-4,5,12)

x=sorted(t)

print(x,type(x))

a) [20,12,5,3,4,-4] <class,'list'>

b) (20,12,5,3,4,-4) <class,'tuple'>

c) [-4,4,3,5,12,20] <class,'list'>

d) None AttributeError

ANS: (c)

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Q18) What will be the output of the following code snippet?

lst=[10,20,10,30,20,10]

print(lst.index(10))

a) 0,2,5

b) 0

c) -1,-4,-6

d) ValueError

ANS: (b)

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Q19) What will be the output of the following code snippet?

lst=[10,20,10,30,20,10]

print(lst.index(10))

a) 0,2,5

b) 0

c) -1,-4,-6

d) ValueError

ANS: (b)

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Q20) What will be the output of the following code snippet?

import numpy as np

a=np.arange(6)

print(a,type(a))

a) [0 1 2 3 4 5] <class 'numpy.ndarray'>

b) [0 1 2 3 4 5] <class 'numpy.list'>

c) [1 2 3 4 5 6] <class 'numpy.list'>

d) SyntaxError

ANS: (a)

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Q21) What will be the output of the following code snippet?

import pandas as p

s=p.Series([10,20,30,40])

print(s)

a) 0 10

1 20

2 30

3 40

b) 1 10

2 20

3 30

4 40

c) 10

20

30

40

d) IndexError

ANS: (a)

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Q22) What will be the output of the following code snippet?

import pandas as pnd

pnd.Series([1,2], index= ['N','I','T'])

a) Syntax Error

b) Index Error

c) TypeError

d) Value Error

ANS: (d)

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Q23) What will be the output of the following code snippet?

import numpy as np

a =np.array({10,20,30,40})

print(a.shape, a.ndim)

a) (4,) 0

b) 0, (4,)

c) () 0

d) TypeError

Ans: (c)

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Q24) Which of the following object belongs to Mutable?

a) str

b) range

c) tuple

d) list

ANS: (d)

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Q25) What will be the output of the following code snippet?

x = 123

for i in x:

print(i)

a) 1

2

3

b) ValueError

c) TypeError

d) None

ANS: (c)

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SECTION-II

Answer all the Fill in the Blank Questions and Each Caries 1 Mark 10 x 1 =10 Marks

NOTE: Student Must write Exact Output.

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Q1) Write the Name of the module(s) for Communicating with Oracle from Python : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: cx\_Oracle OR oracledb

Q2) Write the Syntax for Installing pandas module: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: pip install pandas

Q3) consider the following

x={10:1.2,20:2.3,30:3.4}.get(100)

print(x) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: None

Q4) Write the Output of the following

import numpy as np

a = np.array([1, 2, 3])

b = np.array([4, 5, 6])

c = np.hstack((a, b))

print(c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: [1,2,3,4,5,6]

Q5) Write the Output of the following

import pandas as pd

data = [['PYTHON',21],['HTML',25],['C',22]]

df = pd.DataFrame(data,columns=['Name','Age'])

print (df) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS:

Name Age

0 PYTHON 21

1 HTML 25

2 C 22

Q6) Write the Output of the following

import pandas as pd

S1=pd.Series([100,200,300,400,500],index=['A','B','C','D','E'])

S2=pd.Series([1,2,3,4,5],index=['A','B','C','D','E'])

print(S1\*S2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: A 100

B 400

C 900

D 1600

E 2500

Q7) Write the Output of the following

str1="Information"

print(str1[2:8][::2][::-2]) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: af

Q8) Write the Output of the following

s1={10,20,30,40}

s2={30,50,20,60}

s3=s1.symmetric\_difference\_update(s2)

print(s3,s1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: None , {40, 10, 50, 60}

Q9) Write the Output of the following Code

s1={"Apple","Mango","NIT"}

s2={"Apple","Mango","PYTHON","HYD"}

s3=(s1|s2)-(s1&s2)

print(s3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: {'NIT', 'PYTHON', 'HYD'}

Q10) Write the Name of the Copy Techniques:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANS: Shallow Copy , Deep Copy

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