**Question 1**

Marks: 1

Which among the following options can be used to create a DataFrame in Pandas?

An ndarray

A scalar value

a python dictionary

All of the above

Hint

A Data Frame in pandas can be created using nested list, ndarray, scalar value and  dictionary.

**Question 2**

Marks: 1

Which of the following operators can be used to concatenate two lists?

\*

&

+

none of the above

Hide Explanation  
Explanation

"1"+"2"

Output:

'12'

* SECTIONS:
* Part A

**Question 3**

Marks: 1

What will be the output of the following lines of code?  
a = {1,4,6,8}  
b = {2,4,6,8}  
c = {1,3,5,7}  
print(a.intersection(a.difference(b)))

{2,3}

{3,5}

{1,7}

None of the above

Hide Explanation  
Explanation

a = {1,4,6,8}

b = {2,4,6,8}

c = {1,3,5,7}

print(a.intersection(a.difference(b)))

Output:

{1}

**Question 4**

Marks: 1

Which of the following is not an indexed object?

Sparse Series

Sparse DataFrame

Sparse Panel

None

**Question 5**

Marks: 1

DataFrame.isin() method is use for:

Selection

Manipulation

Extraction

Filtering

Hint

**Question 6**

Marks: 1

What will be the output of the following?  
a = [1,2,3,2,1]  
a.pop(2)  
print(a)

[1,3,2,1]

[1,2,2,1]

[1,2,3,1]

[1,3,1]

Hint

**Question 7**

Marks: 1

Which of the following will give the reverse of list ‘a’:

a[-1:0]

a[-1:-4]

a[ : :-1]

a[0:-1:-1]

**Question 8**

Marks: 1

Which of the following separators can be used for TSV files?

‘ ’

‘,’

‘ ’

‘

**Question 9**

Marks: 1

What is the output of the following operation?  
dict = {"name": "abhi", "salary": 8000}  
temp = dict.get("age")  
print(temp)

KeyError: ‘age’

None

[]

{}

Hint

**Question 10**

Marks: 1

Consider the below two statements and select the correct option accordingly.   
i. List is an immutable data type like strings.  
ii. Lists are two dimensional data-structures.

i-True, ii-False

i-True, ii-True

i-False, ii-False

i-False, ii-True

**Question 11**

Marks: 1

In which of the following manner are the operators of the same precedence executed in python if parenthesis not used?

Left to Right

BODMAS

Right to Left

None of these

Hint

**Question 12**

Marks: 1

What will be the output of the following Python code snippet?  
d = {"john":40, [1,2]:45}  
print(d)

{"john":40, [1,2]:45}

“john” and “peter”

error

None of the above

Hint

Show Explanation

**Question 13**

Marks: 1

Which of the following is not a core datatype in python?

list

struct

tuple

set

Hint

**Question 14**

Marks: 1

True or False: Conditional Selection is not available in Pandas.

True

False

**Question 15**

Marks: 1

when we call a function in the definition of the function itself, what is the name of this technique in python?

function redefining

function recalling

recursion

none of them

Hint

**Question 16**

Marks: 1

Suppose d = {“nitin”: 40, “nishant”: 45}, how can we retrieve value 40 ?

d['nitin']

d[1]

d[40]

None of the above

Hint

**Question 17**

Marks: 1

Which of the following is an invalid variable name in python?

\_init\_

no\_1

1\_no

\_1

**Question 18**

Marks: 1

Which of the following functions is used to determine the length of a string in python?

length()

len()

strlen()

stringlen()

Hint

**Question 19**

Marks: 1

What will be the output of the following lines of code?  
a = {x for x in 'abracadabra' if x not in 'abc'}  
print(a)

{"a","b","r"}

{"a","b"}

{"b","r","d"}

None of the above

Show Explanation

**Question 20**

Marks: 1

What does the finally keyword denote in python?

It is used to mark the end of the code

It encloses the lines of code which will be executed if any error occurs while executing the lines of code in the try block.

the finally block will be executed no matter if the try block raises an error or not.

None of the above

Show Explanation

**Question 21**

Marks: 1

Which of the following is a common use case of yield keyword in python?

in defining an iterator

while defining a lambda function

in defining a generator

in for loop.

Hint

**Question 22**

Marks: 1

str1 = “Hello Python”. What will be the output of : print(str1.find(‘o’))

4

4,10

5,11

5

Show Explanation

**Question 23**

Marks: 1

Which of the following text files are supported by Pandas?

PDF

CSV

SAS

Stata

**Question 24**

Marks: 1

What will be the output of the following line of code?  
A = [2,3,45,6,8,9]  
B = A[1:4]  
C = [ x for x in B if x%2==0]

print(C)

[3,45,6]

[45]

[6]

[45,6]

Show Explanation

**Question 25**

Marks: 1

In python 2//3 is equal to?

0.666

0

1

0.67

Hint

Show Explanation

**Question 26**

Marks: 1

Python is?

compiled

interpreted

compiled then interpreted

none of these

**Question 27**

Marks: 1

Which one of the following is a keyword in python?

in

\_init\_

on

foo

Hint

**Question 28**

Marks: 1

What is the output of the following?  
print([x+y for y in [“Hello ”, “Adios ”] for x in [“World ”, “Python ”]])

[“Hello World ”, “Hello Python ”, “Adios World ”, “Adios Python ”]

[“Hello World ”, “Adios World ”, “Hello Python ”, “Adios Python ”]

[“World Hello ”, “Python Hello ”, “World Adios ”, “Python Adios ”]

[“World Hello ”, “World Adios ”, “Python Hello ”, “Python Adios ”]

Show Explanation

**Question 29**

Marks: 1

What will be the output of print(type(type(int))) in python 3?

<class 'type'>

'int'

<class 'int'>

<class 'type(int)'>

**Question 30**

Marks: 1

Which of the following cannot be used as keys of a dictionary in python?

12

"nitin"

(1,2,3)

[1,2,3]

Hint

**Question 31**

Marks: 1

Which of the following shows a quick statistic summary about the data?

info ()

describe ()

get\_info ()

None

**Question 32**

Marks: 1

What does raise keyword is used for in python?

It is used to raise an exception.

It is used to define lambda function

it's not a keyword in python.

None of the above

Show Explanation

**Question 33**

Marks: 1

What will be the output of ord(chr(65))?

‘A’

‘a’

65

TypeError

Hint

**Question 34**

Marks: 1

What is called when a function is defined inside a class?

Module

Function

\_init\_ function

Method

**Question 35**

Marks: 1

What will be the output of the following lines of code?  
a={x: x\*\*2 for x in (2, 4, 6)}

print(a)

{4,16,36}

{2:4,4:16,6:36}

[4,16,36]

(4,16,36)

**Question 36**

Marks: 1

Which of the following operators is used to calculate remainder in a division?

#

&

%

$

Hint

Show Explanation

**Question 37**

Marks: 1

Which of the following is not a method of sets in python?

difference()

intersection()

symmetric\_difference()

None of the above

**Question 38**

Marks: 1

Which of the following is used to convert categorical variables into dummy variables?

dummy ()

get\_dummy ()

get\_dummies ()

to\_dummies ()

Hint

**Question 39**

Marks: 1

The result of an operation between unaligned Series will have the \_\_\_\_\_ of the indexes involved.

intersection

union

total

All of the mentioned

**Question 40**

Marks: 1

What is the output of the following code snippet:  
Dict\_ = dict{[('a', 1), ('b', 2), ('c', 3)]}  
print(Dict\_)

[ (‘a’, 100), (‘b’, 200), (‘c’, 300)]

Options: SyntaxError: invalid syntax

{‘a’: 1, ‘b’: 2, ‘c’: 3}

None of the above

Hint

**Question 41**

Marks: 1

True or False: DataFrame.pivot\_table () is used to create spreadsheet-style pivot tables in Pandas.

True

False

**Question 42**

Marks: 1

By which of the following ways you can access the set {1,2,3} in the following line of code?  
a=["asd",["d",{1,2,3},3],23]

a[0][2]

a[1][0]

a[1][1]

None of the above

Show Explanation

**Question 43**

Marks: 1

True or False: Panel is a container for Series, and DataFrame is a container for DataFrame objects.

True

False

**Question 44**

Marks: 1

8. All pandas data structures are \_\_\_ mutable but not always \_\_\_\_\_\_\_mutable.

size, value

value, size

semantic, size

None of these

**Question 45**

Marks: 1

If a = True, b = False and c = True. Then what will be the output of following code:  
if not a or b:  
           print("Eena")  
elif not a or not b and c:  
           print("Meena")  
elif not a or b or not b and a:  
           print("Deeka")  
else:  
           print("Domniqaa")

Eeena

Meena

Deeka

Domniqaa

Hint

Show Explanation

**Question 46**

Marks: 1

What will be the output of the following list comprehension?  
L=[x.upper() for x in [“abc”,” rahul”,” nitin”]]

[“aBc”,” Rahul”,” nitIN”]

[“ABC”,” RAHUL”,” NITIN”]

[“ABc”,” RAHul”,” NItin”]

None of the above

Show Explanation

**Question 47**

Marks: 1

What will be the output of the following code snippet?  
d={2:4,3:6,8:16}  
l=[(x+2,y+3) for x,y in d.items()]  
print(l)

[(6,7),(5,9),(10,19)]

[[(6,7),(6,9),(10,19)]

[7,9,19]

none of the above

Hint

**Question 48**

Marks: 1

What will be the output of round(3.567)?

3.5

3.0

4

3

Hint

**Question 49**

Marks: 1

Arrange the following in decreasing order of the precedence when they appear in an expression in python? i) Multiplication ii) Division iii) Exponential iv) Parentheses

iii – iv – ii – i

iii – iv – i – ii

iv – iii – ii – i

iii – ii – i – iv

**Question 50**

Marks: 1

a = input(“Enter an integer”). What will be the data type of a?

int

str

float

double

**Question 51**

Marks: 1

Consider alist = [10,20,30,40,50,60].

Select the correct option that will give the result as [60, 30].

alist[-1::]

alist[-3:]

alist[::-1]

alist[::-3]

Show Explanation

**Question 52**

Marks: 1

How is the function pow(a,b,c) evaluated in python?

a\*\*b\*\*c

(a\*\*b)%c

(a\*\*b)\*c

(a\*\*b)\*\*c

Hint

**Question 53**

Marks: 1

MultiIndex can be created from:

tuples

product of iterables

DataFrame

All of the above

Hint

**Question 54**

Marks: 1

What will be the output of the following code snippet?  
d={2:4,3:6,8:16}  
print(sorted(list(d)))

[2,3,6]

[4,6,16]

[2,3,8]

error

Hint

**Question 55**

Marks: 1

In python, 6|2 will give which of the following as output?

2

4

0

6

Hint

**Question 56**

Marks: 1

What will be the output of the following Python code snippet?  
d1 = {"a":40, "b":45}  
d2 = {"a":466, "b":45}  
d1 == d2

True

False

None

Error

Hint

**Question 57**

Marks: 1

Which of the following is used to represent missing values for datetime objects?

NaN

NaT

NA

None

Hint

**Question 58**

Marks: 1

Is the output of the function abs() the same as that of the function math.fabs()?

Always

Sometimes

Never

None of these

Show Explanation

**Question 59**

Marks: 1

What will be the output of all([1, 0, 5 ,7])?

0

False

True

error

Hint

**Question 60**

Marks: 1

What will be the output for the following code?  
import pandas as pd

import numpy as np

ser = pd.Series(np.random.randn(4))

print (ser.ndim)

0

1

2

3

**Question 6**

Marks: 1

Which of the following is the base layer for all of the sparse indexed data structure?

SArray

SparseArray

PyArray

None

**Question 23**

Marks: 1

Suppose d = {“a”:40, “b”:45}, to delete the entry for “a” what command do we use?

d.delete(“a”:40)

d.delete(“a”)

del d[“a”]

del d(“a”:40)

**Question 36**

Marks: 1

Pandas is built on top of:

DataFrames

NumPy and Matplotlib

Tensorflow

Seaborn

**Question 37**

Marks: 1

Consider the following lines of code?  
def sample(a, b=2, c=1):

        return (a+(b\*c))

How can we call the function to get output value 10?

sample(1, 3, 3)

sample(1)

sample(1, 2, 1)

None of the above

**Question 55**

Marks: 1

Which of the following indexing capabilities is used as a concise means of selecting data from a pandas

ect??

in

ix

iy

**Question 56**

Marks: 1

Which of the following is not a core datatype in python?

list

struct

tuple

set

Hint

**Question 58**

Marks: 1

Which one of the following is a keyword in python?

in

\_init\_

on

foo

**Question 59**

Marks: 1

What will be the output of all([1, 0, 5 ,7])?

0

False

True

error