



# End-Semester Examination PROBLEM-SOLVING USING PYTHON (CS-193)

1. There are 40 questions in the form of Multiple Choice Questions / Fill in the blanks.
2. All questions are mandatory.
3. Duration of the examination is 90 minutes.
4. Total marks for the examination will be 40 (1 for each question).

1

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(1 Point)

Which function is imported from functools

- ☐ filter ()
- ☒ reduce ()
- ☐ map ()
- ☐ All of the mentioned

2

\*

(1 Point)

We can add one item to a list using \_\_\_\_\_ r

- ☒ append ()
- ☐ extend ()
- ☐ insert ()
- ☐ add ()

3

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(1 Point)

Consider the given code:

```
for i in range (3):  
    for j in range (4):  
        print ('i=', i, '\t', 'j=', j)
```

The print () function is executed for \_\_\_\_\_ t

12

4

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(1 Point)

“Python uses dictionary mapping to implement switch case in statement is:

☒ True☐ False

5

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(1 Point)

The function body contains a group a statements called \_\_\_\_

Compound Statements (Block)

6

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(1 Point)

Consider the following function:

```
all ([3,14,0,6])
```

What will be the output of this function?

- ☒ False
- ☐ True
- ☐ 0
- ☐ Invalid Code

7

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(1 Point)

Consider the following statement:

```
z = {"x":0, "y":1}
```

Which of the following is the correct statement?

- ☐ x dictionary z is created
- ☐ x and y are the keys of dictionary z
- ☐ 0 and 1 are the values of dictionary z
- ☒ All of the mentioned

8

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(1 Point)

To retain the original array even after sorting, we can use \_\_\_\_\_

- ☐ sort ( )

- ☒ sorted ( )
- ☐ sort ( ) and sorted ( )
- ☐ None of the mentioned

9

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(1 Point)

When we do not want to do any operation, we can use \_\_\_\_\_

- ☐ Break
- ☒ Pass
- ☐ Continue
- ☐ Assert

10

\*

(1 Point)

If we write something like this “\*\*number”. This re

- ☐ Positional Arguments
- ☒ Keyword Arguments
- ☐ Default Arguments
- ☐ Variable Length Arguments

11

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(1 Point)

\_\_\_\_\_ is the only way to figure out the level

Indentation

12

\*

(1 Point)

Consider the following code:

```
numbers = (10, 20, 30, [100, 200, 300])  
tuple [1] = 40
```

What will be the output?

- ☐ (40, 20, 30, [100, 200, 300])
- ☐ (10, 40, 30, [100, 200, 300])
- ☐ (10, 40, 30, [100, 40, 300])
- ☐ (10, 40, 30, [40, 200, 300])
- ☒ Type Error

13

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(1 Point)

What is the method inside the class in python language?

- ☐ Object
- ☒ Function
- ☐ Attribute
- ☐ Argument

14

\*

(1 Point)

The find () method returns \_\_\_\_\_ if the sub string is not found in the string.

15

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(1 Point)

If you create arrays using the array module, all elements of the array must be of the same numeric type. This statement is:

- ☒ True
- ☐ False

16

\*

(1 Point)

Sometimes, the programmer has to test multiple conditions and execute depending on those conditions. \_\_\_\_\_ is useful in such situations

- ☐ The if statement
- ☐ The if ... else statement
- ☐ The if ... elif ...else statement
- ☒ All of the mentioned

17

\*

(1 Point)

In a dictionary, keys should be \_\_\_\_\_

- ☐ Mutable
- ☒ Immutable
- ☐ Mutable and immutable both
- ☐ None of the mentioned



18

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(1 Point)

\_\_\_\_\_ do not contain a return statement because the body is returned.

Lambda function

19

\*

(1 Point)

Which of the following is not a keyword in Python

- ☒ val
- ☐ raise
- ☐ try
- ☐ with

20

\*

(1 Point)

\_\_\_\_\_ is used instead of a return stat

- ☒ Yield Statement
- ☐ Continue Statement
- ☐ Pass Statement
- ☐ Break Statement

21

\*

(1 Point)

The \_\_\_\_\_ statement is used in a loop to go back to the beginning.


22

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(1 Point)

We use while loop when

- ☐ We know the number of times to iterate beforehand.
- ☐ To iterate over a block of code as long as the test expression is false
- ☒ We don't know the number of times to iterate beforehand.
- ☐ To iterate over elements of a sequence

 to iterate over elements of a sequence.

23

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(1 Point)

strip () removes spaces from

- ☒ both the sides of the string
- ☐ the right side of the string
- ☐ the left side of the string
- ☐ the middle of the string

24

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(1 Point)

The \_\_\_\_\_ is a more flexible way for concatenation

- ☐ + operator
- ☒ join ( )
- ☐ capitalize ( )
- ☐ enumerate ( )

25

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(1 Point)

The datetime module has a class named dateclass that can contain in both date and time objects.

Consider the following syntax:

```
Class datetime.datetime(year, month, day, hour, min  
microsecond, tzinfo, *, fold)
```

In the above syntax, which arguments are mandatory?

- ☒ Year, month and day
- ☐ Hour, minute, second,
- ☐ All
- ☐ None

26

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(1 Point)

The strftime () method is defined under th

- ☐ Date
- ☒ Datetime
- ☐ Time
- ☐ All of the mentioned

27

\*

(1 Point)

To access the elements of the dictionary, we should

- ☒ Indexing
- ☐ Slicing
- ☐ Key name inside the square bracket
- ☐ Indexing and Slicing both

28

\*

(1 Point)

Which of the following declarations is incorrect in python

- ☐ abcd = 8,000,000
- ☒ a b c d = 400 5000 70 865
- ☐ a,b,c,d = 400, 5000, 70, 865
- ☐ x\_y\_z\_p = 10,000

29

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(1 Point)

(1 Point)

Arrays can increase or decrease their size dynamically. This s

- ☐ True
- ☒ False

30

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(1 Point)

Which function is used for assigning an index to each item of the it

- ☐ Enumerate ()
- ☒ Index ()
- ☐ Insert ()
- ☐ Extend ()

31

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(1 Point)

The replacement fields are denoted

- ☒ { }
- ☐ ( )

☐ [ ]

☐ All of the mentioned

32

\*

(1 Point)

Which function does not store all the values in

☐ range()

☐ tuple()

☐ list()

☒ zip()

33

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(1 Point)

If the condition is not fulfilled, then it will raise \_\_\_\_\_

Assertion error

34

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(1 Point)

Which concept is not applicable in Py

- ☐ Pass by value
- ☐ Pass by reference
- ☒ Both pass by value and pass by reference
- ☐ None of the mentioned

35

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(1 Point)

The default indentation used in Python is \_\_\_\_

4

36

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(1 Point)

Which option is not true about

- ☐ Allows duplicate values



- ☒ Immutable data type
- ☐ Mutable data type
- ☐ Data type with unordered values

37

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(1 Point)

By which reason strings objects are made immutable in

- ☐ Performance
- ☐ Security
- ☐ Both Performance and Security
- ☒ None of the mentioned

38

\*

(1 Point)

If the programmer wants two independent lists, he should not go

- ☐ Cloning
- ☐ Copying
- ☐ Aliasing
- ☒ Cloning or Copying

39

\*

(1 Point)

Which of the following statements is used to create an

- ☐ ( )
- ☒ set ( )
- ☐ { }
- ☐ [ ]

40

\*

(1 Point)

Which of the following is correctly evaluated for this f  
pow (a, b, c)

- ☐ (a\*\*b) / c
- ☐ (a / b) \* c
- ☒ (a\*\*b) % c
- ☐ (a / b) / c

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