

# [MCA1102] Test IV

Test Duration: 10 minutes

\* Indicates required question

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1. Email \*

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2. Class Roll No (last two digits) \*

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MCA1102

Programming with Python

3. Which of the following lines of code will not show a match?

1 point

*Mark only one oval.*

☐ re.match('xy\*', 'x')

☐ re.match('xy\*', 'xy')

☐ re.match('xy\*', 'y')

☐ re.match('xy\*', 'xyy')

4. What will be the output of the following Python code (assuming today is 11th Jan, 2024)? 1 point

```
import datetime
tday=datetime.date.today()
print(tday)
```

*Mark only one oval.*

- ☐ 11-01-2024
- ☐ 2024-01-11
- ☐ 11-01-24
- ☐ 01-11-2024

5. What is returned by `math.ceil(-5.4)`? 1 point

*Mark only one oval.*

- ☐ -5
- ☐ -4
- ☐ -6
- ☐ 6

6. What is the order of namespaces in which Python looks for an identifier? 1 point

*Mark only one oval.*

- ☐ global, then local and finally built-in
- ☐ local, then global and finally built-in
- ☐ built-in, then global and finally local
- ☐ built-in, then local and finally global

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

1 point

```
class Test:
    def __init__(self):
        self.course = 'BCA'
        self.update(self.course)
    def update(self, course):
        course = 'MCA'
```

```
student=Test()
print(student.course)
```

*Mark only one oval.*

- ☐ BCA
- ☐ MCA
- ☐ Error
- ☐ No output

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

1 point

```
class Test:
    count=0
    def __init__(self):
        self.count= Test.count+1
```

```
student1=Test()
student2=Test()
print(Test.count)
```

*Mark only one oval.*

- ☐ 1
- ☐ 0
- ☐ Error
- ☐ 2

9. What is the correct syntax to declare a derived class in Python?

1 point

*Mark only one oval.*

- ☐ class Base(Derived)
- ☐ class Derived(Base)
- ☐ class Derived extends Base
- ☐ class Base extends Derived

10. Which among the following is not true?

1 point

*Mark only one oval.*

- ☐ A namespace is a mapping from names to objects.
- ☐ Most namespaces are currently implemented as Python dictionaries.
- ☐ A scope is a textual region of a Python program where a namespace is directly accessible.
- ☐ The local namespace for a function is created when the function is defined.

11. Which among the following is not true?

1 point

*Mark only one oval.*

- ☐ The raise statement allows the programmer to force a specified exception to occur.
- ☐ BaseException is the common base class of all exceptions.
- ☐ If the finally clause executes a break, continue or return statement, exceptions are re-raised.
- ☐ If an exception occurs during execution of the try clause, and is not handled by an except clause, the exception is re-raised after the finally clause has been executed.

12. Which among the following is not true?

1 point

*Mark only one oval.*

- ☐ A module is a file containing Python definitions and statements; the file name is the module name with the suffix .pyc appended.
- ☐ Within a module, the module's name is available as the value of the global variable `__name__`.
- ☐ For efficiency reasons, each module is only imported once per interpreter session.
- ☐ The `__init__.py` files are required to make Python treat directories containing the file as packages.

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