

**U.G. 3rd Semester Examination - 2020****BCA****Course Code : BBCASEHC305****Course Title : Programming in Python**

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

Answer the following questions by choosing correct alternative:  $2 \times 15 = 30$

1. What is the maximum possible length of an identifier in python?
  - a) 16
  - b) 32
  - c) 64
  - d) None of them
2. Who developed the Python language?
  - a) Zim Den
  - b) Guido van Rossum
  - c) Niene Stom
  - d) Wick van Rossum
3. What do we use to define a block of code in Python language?
  - a) Indentation
  - b) Brackets
  - c) Braces
  - d) None of these
4. Which of the following declarations is incorrect?
  - a) `_x = 2`
  - b) `__x = 3`
  - c) `__xyz__ = 5`
  - d) None of these
5. What is the output of the following function?  
`complex(1+2j)`
  - a) `1+2j`
  - b) `1`
  - c) `2j`
  - d) Error
6. Which of the following is the use of `id()` function in Python?
  - a) Every object doesn't have a unique id
  - b) `id` returns the identity of the object
  - c) All of the mentioned
  - d) None of the mentioned

7. Select the reserved keyword in python:
- a) else                      b) raise
  - c) import                    d) All of the above

8. Study the following program:

```
a = 1
while True:
    if a % 7 == 0:
        break
    print(a)
    a += 1
```

Which of the following output is correct?

- a) 1 2 3 4 5                  b) 1 2 3 4 5 6
- c) 1 2 3 4 5 6 7            d) None of these

9. Study the following program:

```
x=50
def func(x):
    x=2
func(x)
print('x is now',x)
```

What is the output?

- a) x is now 50
- b) x is now 2
- c) x is now 100
- d) None of the mentioned

10. Find the output of the following program:

```
nameList = ['Python', 'C', 'C++', 'Java']
pos = nameList.index("Python")
print (pos * 3)
```

Which of the following output is correct?

- a) 0                              b) 1
- c) 3                              d) None of these

11. What is the output of following statements if we write them in Python Shell?

```
>>>str="Python"
>>>str[-1]
```

- a) 'c'                            b) c
- c) 0                              d) Error

12. What is the output of following code segment?

```
def addition(a,b):
    c=a+b
addition(2,3)
print(__name__)
```

- a) \_\_addition\_\_                b) addition
- c) \_\_main\_\_                    d) main

13. Which of the following is correct for the statement?

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

- a) a dictionary z is created
- b) x and y are the keys of dictionary z
- c) 0 and 1 are the values of dictionary z
- d) All of the above

14. What is the type of `inf` ?

- a) complex                      b) boolean
- c) integer                        d) float

15. Suppose `list = [0.5 * x for x in range(0, 4)]` then list is:

- a) [0, 1, 2, 3]
  - b) [0, 1, 2, 3, 4]
  - c) [0.0, 0.5, 1.0, 1.5]
  - d) [0.0, 0.5, 1.0, 1.5, 2.0]
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