

**U.G. 3rd Semester Examination - 2021****BCA**  
**[HONOURS]****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: 2×15=30

1. Which character is used in Python to make a single line comment?
  - a) /
  - b) //
  - c) #
  - d) !
2. Which type of Programming does Python support?
  - a) object-oriented programming
  - b) structured programming
  - c) functional programming
  - d) all of the mentioned

3. Is Python case sensitive when dealing with identifiers?
  - a) no
  - b) yes
  - c) machine dependent
  - d) none of the mentioned
4. Which keyword is used for function in Python language?
  - a) Function
  - b) def
  - c) Fun
  - d) Define
5. What is the output of the following program?

```
i = 0
while i < 3:
    print i
    i++
print i+1
```

  - a) 0 2 1 3 2 4
  - b) 0 1 2 3 4 5
  - c) Error
  - d) 1 0 2 4 3 5

6. Suppose list l is [3,4, 5, 20, 5, 25,1, 3], what is list l after list l.pop(l)?

- a) [3, 4, 5, 20, 5, 25,1, 3]
- b) [1, 3, 3, 4, 5, 5, 20, 25]
- c) [3, 5, 20, 5, 25,1, 3]
- d) [1, 3, 4, 5, 20, 5, 25]

7. Choose the correct option with respect to Python:

- a) Both tuples and lists are immutable.
- b) Tuples are immutable while lists are mutable.
- c) Both tuples and lists are mutable.
- d) Tuples are mutable while lists are immutable.

8. What is the output of the following program?

```
x = ['ab', 'cd']  
for i in x:  
    i.upper ( )
```

print (x)

- a) ['ab', 'cd']
- b) ['Ab', 'Cd']
- c) ['AB', 'CD']
- d) None of the above

9. What is the output of the following program?

```
def myfunc(a) :  
    a = a + 2  
    a = a * 2  
    return a  
print myfunc(2)
```

- a) 8
- b) 16
- c) Indenta on Error
- d) Run me Error

10. If list = [0.5\* a for a in range (0,3)] then list is :

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

11. Which mode proves very useful for testing code in python?

- a) Script mode
- b) interactive mode
- c) both (a) and (b)
- d) none of the above

12. What will be the output of the following python expression if x=56.236?

```
Print("%.2f"% x)
```

- a) 56.236
- b) 56.23
- c) 56.24
- d) 56

13. Which of the following is the use of id() function in python?

- a) Every object in python doesn't have a unique id
- b) In python Id function returns the identity of the object
- c) None of the mentioned
- d) All of the mentioned

14. Which one of the following is not a python's predefined data type?

- a) List
- b) Dictionary
- c) Tuple
- d) Class

15. Output of the following python code:

```
def cube(x):  
    return x*x*x  
x=cube(5)  
Print x.
```

- a) 26
- b) 125
- c) 525
- d) None of the above

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