



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD) [now MoE]
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test-I August 2025
Semester V

Class: III UG
Major: Computer Applications

Time: 2 Hrs
Maximum Marks:60

23BCAC10 Programming in Python

Course Outcomes:

1. Learn the basics of python programming constructs.
2. Develop program using control statements in Python.
3. Express the concept of function, strings and modules.
4. Illustrate with List, tuples and dictionary.
5. Usage of File handlings concepts in Python

Part-A

Choose the correct answer

6x1=6

CO1K3

CO1K2

CO2K1

CO2K1

CO2K2

CO3K2

1. The correct way to include single line comment in Python
a. // This is a comment
b. 'This is a comment
c. /* This is a comment */
d. # This is a comment
2. The data type immutable in Python is
a. List
b. Tuple
c. Set
d. Dictionary
3. What is the output of the following code?

```
x = 15  
y = 2  
print(x // y)
```


a. 7.5
b. 8
c. 7
d. 15//2
4. What is the output of the following code snippet?

```
for i in range(5):  
    if i == 3:  
        continue  
    print(i)
```


a. 0 1 2 3 4
b. 0 1 2 4
c. 0 1 2
d. 0 1 2 3
5. What is the output of the following program?

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


a. Infinite loop
b. 0 2
c. Error
d. 0 1 2
6. What is the output of the following code?

```
def fun():  
    total = 0  
    for num in range(1, 6):
```

Answer ALL Questions

Answer should not exceed 400 words or two pages

7. a. Explain implicit and explicit type conversion. CO1K2
(Or)
7. b. Demonstrate the syntax of input and output statements. CO1K1
8. a. Demonstrate the iterative statements in python. CO2K2
(Or)
8. b. Explain the following statements with example. CO2K3
i) pass ii) continue iii) break
9. a. Write notes on function definition and function call. CO3K2
(Or)
9. b. Demonstrate the concept of recursion with an example. CO3K3

Part-C

3x12=36

Answer ALL Questions

Answer should not exceed 800 words or four pages

10. a. Illustrate the features of python. CO1K2
(Or)
10. b. Explain in detail about arrays. CO1K3
11. a. Demonstrate the functionality of conditional branching statements. CO2K3
(Or)
11. b. Write a python program to read empno,name,dept,basic_pay;calculate hra,da,pf,it and display the pay slip of an employee as the output. CO2K4
12. a. Explain the concept of required, keyword and default arguments in a function. CO3K2
(Or)
12. b. Demonstrate the following features of python function with suitable examples. CO3K4
i) Passing function as parameter to another function.
ii) Defining a function within another function.

Staff in-charge: S.Anitha

Number of copies (SF Campus-II) :55

Or 11

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 III - BCA