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Sambath

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. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India
Continuous Internal Assessment Test I – February 2026
VI Semester

Class : III UG
Major : B.Com (CA)

Time: 2 hours
Maximum Marks: 60

23BCCC12/ Python for Business Analytics

Course Outcomes:

At the end of the course, students will:

1. Understand the fundamental concept and functions in python programming.
2. Capable to develop a program using operators and control statements.
3. Apply the proficiency in handling arrays, strings and functions to solve computational problems.
4. Design and develop solution for real-time application using database operations using list, tuple, set and dictionary.
5. Use common operations involved in file handling and exception handling.

Part - A

6 x 1 = 6

Choose the Correct Answer

1. Which of the following is a feature of Python. CO1 K2
 a. Platform dependent b. Complex syntax c. Interpreted language d. Low-level language
2. The flow of execution in a Python program is CO1 K2
 a. Random b. Bottom to top c. Sequential d. Circular
3. What is the default data type of input received using input()? CO2 K2
 a. int b. float c. char d. string
4. Which keyword is used for decision making in Python? CO2 K2
 a. switch b. if c. for d. loop
5. Which index represents the first character of a string? CO3 K2
 a. 1 b. -1 c. 0 d. None
6. Which function returns the length of a string? CO3 K2
 a. size() b. count() c. len() d. length()

Part - B

3 x 6 = 18

Answer ALL Questions.

Each answer should not exceed 400 words or two pages

7. a. Write a short note on interactive mode vs script mode in Python. CO1 K2
 (or)
7. b. Explain above the Python data types. CO1 K3
8. a. Discuss about input and output operations in Python with suitable examples. CO2 K3
 (or)
8. b. What are the fruitful functions in Python? CO2 K2
9. a. Explain above the strings in Python. CO3 K3
 (or)
9. b. Write a Program to define the area of rectangle, square, circle and triangle using user-defined Functions. CO2 K2

Part - C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Discuss the different types of operators and their precedence order with examples. CO1 K3
 (or)
10. b. Explain the expressions and statements with examples. Discuss the rules for naming variables and Dynamic Typing in Python. CO1 K3
11. a. Describe the Iteration in Python. CO2 K4
 (or)
11. b. Explain the Process of Conditional statement and Alternative conditional statement in Python CO2 K3
12. a. Discuss about the Perform string functions using python program CO3 K4
 (or)
12. b. Enumerate the string built in functions and methods CO3 K3