



Shamballa

Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd.u/s 3of UGC Act 1956, Category A by MHRD [now MoE]

Re-accredited with an A++ Grade by NAAC CGPA 3.65/4, Category I by UGC

Coimbatore-641043, Tamil Nadu, India

Continuous Internal Assessment I – August 2025

III Semester

Class : IIUG

Major : B.Com(With Minor Specialization – IT)

Time : 2 Hours

Max. Marks : 60

23BCOSE1IT - Python Programming

Course Outcomes:

CO1: Apply decision and repetition structures in program design

CO2: Develop functions to improve readability of programs

CO3: Design the programs with the use of Python lists and dictionaries

Part A

6 x 1 = 6

Choose the Correct Answer

- Which of the following is used to write a comment in Python? CO1K2
a) // b) /* */ c) # d) <!-- -->
- Which one is a reserved keyword in Python? CO1K2
a) define b) function c) lambda d) main
- Which loop is best suited when the number of iterations is known? CO2K2
a) if b) while c) for d) loop
- Which of the following is a correct syntax for a while loop? CO2K2
a) while x > 0 b) while (x > 0): c) while x > 0 then: d) loop while x > 0:
- Which keyword is used to define a function in Python? CO3K2
a) function b) define c) def d) fun
- Which of the following is a built-in function in Python? CO2K2
a) add() b) print() c) echo() d) display()

Part B

3 x 6 = 18

Answer ALL questions

Each answer should not exceed 400 words or two pages

- a) Write the different data types in Python with examples. CO1K1
(or)
b) What are the variables in Python. How are variables declared and initialized? CO1K1
- a) Explain the Control Statement and its types in brief. CO2K2
(or)
b) Write a program of your choice for if...else statement.? CO2K3
[
- a) Define a function in Python. Explain the types of functions. CO3K2
(or)
b) Write a program of your choice for Built-in Function. CO3K3

Part C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a) Describe the different types of operators in Python with examples CO1K1
(or)
b) What is "comments" in Python and Explain its different types of comments. CO1K2
11. a) Write a Python program using 'if-elif-else' to find the largest of three numbers. CO2K3
Explain the flow of control in your program.
(or)
b) Explain the loop statement, types of loops with flow diagram and examples. CO2K2
12. a) Define a function in Python. Explain the types of functions in detail. CO3K2
(or)
b) Explain the detail concept of user-defined functions. CO3K2

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