

Term End Examination July – 2026

Course	: BSCIT	Date	: 19/08/2026
Subject Code	: BSCIT-405	Time	: 03:00pm to 05:15pm
Subject Name	: Introduction to Python Programming	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three)

(30)

1. Explain user-defined functions in Python. Discuss function definition, function call, arguments, and return statements with examples.
2. Describe the features of Python programming language.
3. Explain Object-Oriented Programming (OOP). Discuss the concepts of objects and classes with examples.
4. What is Tkinter? Discuss the architecture and advantages of Tkinter.
5. Explain CRUD (Create, Read, Update, Delete) operations in Python with database connectivity examples.

Section B

Answer the following (Attempt any four)

(20)

1. Explain Python data types with suitable examples.
2. Explain the differences between an interpreter and a compiler.
3. Explain the purpose of the try-except block.
4. Explain the steps required to establish a database connection in Python.
5. Differentiate between read(), readline(), and readlines()
6. Differentiate between Label and Button widgets.

Section C

Part – A (Multiple Choice Questions)

(10)

- Python was first released in _____.
A 1990
B 1991
C 1992
D 1993
- Python was developed by:
A Dennis Ritchie
B James Gosling
C Guido van Rossum
D Bjarne Stroustrup
- _____ is used for single line comments in python
A //
B \$
C #
D /*
- Which keyword refers to the current object?
A current
B self
C this
D obj
- Which function is used to open a file?
A file()
B open()
C fopen()
D create()
- Which mode is used to append data to a file?
A r
B w
C a
D x

- 7 _____ keyword is used to import a module?
A include B import
C using D package
- 8 A function is defined using the _____ keyword.
A def B Class
C function D create
- 9 Which widget is used to accept user input?
A Label B Entry
C Frame D Canvas
- 10 An instance of a class is called _____.
A Object B Class
C Method D Function

Part – B (Do as Directed)

(10)

- 1 Python is a High-level programming language. (True/False)
- 2 _____ function returns the datatype of a variable?
- 3 Keywords can be used as variable names. (True/False)
- 4 The read() method writes data into a file. (True/False)
- 5 The _____ statement sends a value back to the calling function.
- 6 The _____() method converts all characters to uppercase.
- 7 Strings are _____ data types.
- 8 Every object belongs to a class. (True/False)
- 9 An Entry widget is used to display images only. (True/False)
- 10 _____ allows the same interface to have different implementations.
