

**Second Semester FYUGP Degree (Reg) Examination April
2026**

KU2DSCDAS104 - PYTHON PROGRAMMING

2025 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is list indexing?
2. How do you create a dictionary? Give an example.
3. What is a nested if statement?
4. What is an elif clause in Python?
5. How do you open a file in Python?
6. What is a root window in Tkinter?
7. What is a variable in Python?
8. What is the Is operator in Python?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Write a short note on file handling operations in Python.
10. Explain file methods used to write data to a file with examples.
11. Explain the Check button widget and Radio button widget with examples.
12. Describe the major thrust areas of Python.
13. Explain reading input and printing output in Python with examples.
14. Explain type conversion in Python with examples.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Explain lists in Python including creating lists, basic list operations, indexing, and slicing with examples.
16. Explain the concept of functions in Python including function definition, function calling, and return statement with examples.