

Department of Computer Science & IT

Mangaldai College (Autonomous)

Sessional Examination – 2026

FYUGP BCA 4th Semester

Sub: Python Programming

Time: 1½ hours

Full Marks: 30

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1. Answer the following questions: 1x5=5
- a. Define a variable in Python.
 - b. What is the purpose of the break statement?
 - c. What is exception handling?
 - d. Name any two Python data structures.
 - e. Which of the following is an immutable data type?
 - i) List
 - ii) Dictionary
 - iii) Set
 - iv) Tuple
2. Answer any three of the followings: 5x3=15
- a. Differentiate between List, Tuple, Set, and Dictionary with examples.
 - b. Write a Python program demonstrating the use of conditional statements and loops.
 - c. Describe file handling operations in Python. Explain read(), readline(), and readlines() with examples.
 - d. What are default arguments in Python functions? Illustrate with an example.
 - e. What is a lambda function? Write examples showing its use with map().
3. Answer any one of the followings: 10x1=10
- a. Write a program that handles different exceptions such as ZeroDivisionError, ValueError, and TypeError.
 - b. Describe exit control statements in Python. Differentiate between break, continue, and exit() with examples. Write a program that demonstrates early termination of loops.