

Code No.: AI503PC

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

III–B.TECH–I–Semester End Examinations (Supply) - December- 2025

INTRODUCTION TO PYTHON PROGRAMMING

(CSM)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A

(20 Marks)

1. a) Discuss the use of if statement. [2M]
- b) Express syntax of for loop. [2M]
- c) What is Record? [2M]
- d) Define Loop give an example? [2M]
- e) What is String? [2M]
- f) Explain the use of tuple in Python programming language. [2M]
- g) Summarize class and object. [2M]
- h) List the features of the object-oriented programming through Python. [2M]
- i) Define Graphical user interface. [2M]
- j) What is the use of check button? [2M]

PART-B

(50 Marks)

2. Explain different types of operators with example. [10M]
- OR**
- 3.a) Write a Python program to find area of circle. [5M]
- b) Explain types of data types. [5M]
4. How do we call a function in python programming with an example? [10M]
- OR**
5. Design a Python program to count the number of words in a text file. [10M]
6. Explain different String methods and slicing with examples. [10M]
- OR**
7. Write a Python program to update or delete a list. [10M]
8. Describe polymorphism with suitable example. [10M]
- OR**
9. List the different types of inheritance and explain with suitable examples. [10M]
10. Explain about Turtle Graphics with example. [10M]
- OR**
11. Compare the GUI-based programs with Terminal-based programs. [10M]
