

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]
