

Code No.: AI503PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-I-Semester End Examinations (Supply) - June- 2024
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) Define Type conversion? [2M]
- b) What are the Features of Python? [2M]
- c) Define Operator Precedence? [2M]
- d) What is Control statement? [2M]
- e) Write the syntax for creating a List. [2M]
- f) What is Recursion? [2M]
- g) Define Inheritance? [2M]
- h) What is Object Oriented Programming? [2M]
- i) Write about Turtle Graphics in Python. [2M]
- j) What is GUI? [2M]

PART-B

(50 Marks)

2. Write about. [10M]
 - i) if statement.
 - ii) if-else statement.
 - iii) if-elif-else statement.
3. Explain the different types of Operators in Python. [10M]
4. Describe Conditional Iteration along with an suitable program as example. [10M]
5. What is a function? How to pass arguments to function explain with suitable examples. [10M]
6. What is Recursion? What are the costs and benefits of Recursion? Write a python program using Recursion. [10M]
7. Describe the basic String operations along with examples. [10M]
8. Write a program to demonstrate the concept of Inheritance. [10M]
9. What are the different types of methods used in python? Explain them along with examples. [10M]
10. Write about Tkinter. [10M]
 - i) Using labels as output field.
 - ii) Button widgets & info dialog boxes.
11. Write about the following with the methods used. [10M]
 - i) Radio Buttons.
 - ii) Check Buttons.
