Code No.: AI503PC   R20   H.T.No.   8   R

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–I–Semester End Examinations (Supply) - December- 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) What are the applications of Python?   [2M]
   b) List out the Logical Operators?   [2M]
   c) What is an Exception?   [2M]
   d) Define Iteration structure.   [2M]
   e) Write about List with syntax.   [2M]
   f) What is Manipulating String?   [2M]
   g) Define polymorphism?   [2M]
   h) What is an instance?   [2M]
   i) What is Tkinter module?   [2M]
   j) What are GUI based programs?   [2M]

PART-B   (50 Marks)

2. Explain the built-in Data Types with examples.   [10M]

OR

3. Write about Repetition Structures in python with examples.   [10M]

4.a) Write about Storing Functions in Module with example.   [5M]
   b) Write about Exceptions in python.   [5M]

OR

5. Explain the different types of Functions in Python. Write a python program to create a function [10M] and call a function using different parameters.

6. Describe Adding Keys, Accessing Values, Removing Keys, Traversing a Dictionary.   [10M]

OR

7. Explain the following concepts along with syntaxes.   [10M]
   i) List   ii) Tuples   iii) String Searching

8. Explain how to Create, Modify and Delete an Object along with a suitable example.   [10M]

OR

9. Explain the concept of polymorphism in python along with an example.   [10M]

10. Describe the Two Dimensional Shapes using Python Turtle graphics.   [10M]

OR

11. Explain the behavior of terminal based programs and GUI based programs.   [10M]

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