

Code No.: CY503PC

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**CMR ENGINEERING COLLEGE: : HYDERABAD**  
**UGC AUTONOMOUS**  
**III-B.TECH-I-Semester End Examinations (Supply ) - June- 2024**  
**PYTHON PROGRAMMING**  
**(CSC)**

[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) Illustrate list in python. [2M]
- b) Differences between lists and tuples. [2M]
- c) Define Boolean data type. [2M]
- d) What is an assertion? [2M]
- e) Compare process and thread. [2M]
- f) Name special symbols used in regular expression. [2M]
- g) List out modules required for GUI programming. [2M]
- h) Write about Tkinter and its importance. [2M]
- i) Define ORM. [2M]
- j) What is data base programming? [2M]

**PART-B**

**(50 Marks)**

2. Explain different sequences types with example in python. [10M]
- OR**
3. What are the different types of operators in python? Explain membership and identity operators with examples. [10M]
  4. Write about importing modules and module attributes with examples. [10M]
- OR**
5. Write about detecting and handling exceptions with example. [10M]
  6. Write a python class named Square constructed by a side and two methods which will compute area and perimeter of square. [10M]
- OR**
7. Develop chat application using multithreading in python [10M]
  8. Write GUI program using Tkinter which handle the button click event? [10M]
- OR**
9. Illustrate building CGI application with example. [10M]
  10. Discuss about Object Relational Managers. [10M]
- OR**
11. Write about Database Application Programming Interface(DB-API). [10M]

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