

Code No.: CY503PC

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**CMR ENGINEERING COLLEGE: : HYDERABAD**  
**UGC AUTONOMOUS**  
**III-B.TECH-I-Semester End Examinations (Supply) - May- 2023**  
**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) Differences between lists and tuples. [2M]
- b) List out standard type operators in python. [2M]
- c) Define file objects? [2M]
- d) What is namespace? [2M]
- e) Name special symbols used in regular expression. [2M]
- f) Compare process and thread. [2M]
- g) List out modules required for GUI programming. [2M]
- h) What is the role of HTTP server in web programming? [2M]
- i) Define interface and its role in data base programming. [2M]
- j) Define ORM. [2M]

**PART-B**

(50 Marks)

2. What are the different types of operators in python? Explain membership and identity operators with examples. [10M]
- OR**
3. Explain different sequences types with example in python. [10M]
4. Read a text file in python and print no. of lines and no. of unique words. [10M]
- OR**
5. Write about importing modules and module attributes with examples. [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. Write a program to create two threads to print the first 100 numbers. [10M]
8. Illustrate building CGI application with example. [10M]
- OR**
9. Write a python GUI program to implement calculator using Tkinter library? [10M]
10. Draw circle and triangle shapes using ORMs and fill them with red color. [10M]
- OR**
11. Discuss about modules used in data base programming in python. [10M]

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