

**CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS**

**III-B.TECH-I-Semester End Examinations (Supply) - December- 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) Define python object. [2M]
- b) Illustrate list in python. [2M]
- c) What is an exception and when it is created? [2M]
- d) Define package and how to import it. [2M]
- e) Define regular expression. [2M]
- f) What is thread? [2M]
- g) Write about Tkinter and its importance. [2M]
- h) Name the modules that support web programming in python. [2M]
- i) What is database programming? [2M]
- j) Write about modules used in database programming. [2M]

PART-B**(50 Marks)**

2. Explain built in data types of python. [10M]
- OR**
3. Write a python program to print Fibonacci series up to n terms. [10M]
 4. Write a python program to append data to an existing file "abc.py". Read data to be appended from user and display the contents of entire file. [10M]
- OR**
5. Write about detecting and handling exceptions with example. [10M]
 6. Explain Global interpreter lock in python and write python program that shows concept of Global interpreter lock. [10M]
- OR**
7. Develop chat application using multithreading in python. [10M]
 8. Demonstrate the creation of any two widgets using Tkinter. [10M]
- OR**
9. Write GUI program using Tkinter which handle the button click event. [10M]
 10. Write about Database Application Programming Interface (DB-API). [10M]
- OR**
11. Discuss about Object Relational Managers. [10M]
