

Code No.: CS7240E

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV-B.TECH-I-Semester End Examinations (Regular) - November- 2024
PYTHON PROGRAMMING
(ECE)

[Max. Marks: 70]

[Time: 3 Hours]

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 and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) State any four applications of python. [2M]
- b) Define Python object. [2M]
- c) List out the File Built-in Methods. [2M]
- d) Define an Exception. [2M]
- e) Write about Global Interpreter Lock (GIL). [2M]
- f) Differentiate between single-threaded and multi-threaded application. [2M]
- g) What is the need of Tkinter module in python? [2M]
- h) List out the steps to build the CGI application. [2M]
- i) Write the syntax of connect functions. [2M]
- j) List out the module attributes in database. [2M]

PART-B

(50 Marks)

2. Explain various operators and built-in functions related to list and tuples in python. [10M]
- OR**
3. Write about complex numbers, Integers and operators in detail. [10M]
4. List and explain different types of errors in python. [10M]
- OR**
5. How various exceptions are detected and handled in python? Discuss various statements and methods used for exception handling. [10M]
6. Explain briefly about thread and threading module objects in Python. [10M]
- OR**
7. Describe any five regular expression symbols with suitable examples. [10M]
8. Describe the following Tkinter widgets [10M]
 - i) Label
 - ii) Button
 - iii) Scale
- OR**
9. Write a python script to develop a simple web (HTTP) server. [10M]
10. Explain the steps to Create database Connection in Python. [10M]
- OR**
11. Discuss the following commonly used query methods: [10M]
 - i) Offset()
 - ii) filterby()
 - iii) orderby()
