

Code No.: R22CS404PC

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

II-B.TECH-II-Semester End Examinations (Regular) - June- 2025

PYTHON PROGRAMMING

(Common for CSE, IT)

[Time: 3 Hours]

[Max. Marks: 60]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 10 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

(10 Marks)

1. a) List out the different Data Structures supported by Python. [1M]
- b) Differentiate between Set and List. [1M]
- c) List out the Built in File Attributes. [1M]
- d) Write the names of any Four Exception. [1M]
- e) What is the purpose of Regular Expressions? [1M]
- f) Write the name of two functions used in Regular Expressions. [1M]
- g) What is CGI? How is it useful? [1M]
- h) Write the name of two popular Web Servers. [1M]
- i) List out the steps to interact with DB. [1M]
- j) List out the methods used to interact with DB. [1M]

PART-B

(50 Marks)

2. Explain Set, List and Tuple with suitable Examples. [10M]
- OR**
3. Write a Python Program to demonstrate Membership and Identity operators with suitable examples. [10M]
4. Explain different Built-in File Functions with syntax. [10M]
- OR**
5. Write a Python program to demonstrate module by providing four user define functions. [10M]
6. Explain different Regular Expression functions used in python with syntax. [10M]
- OR**
7. Write a Python program to validate password and mobile number. [10M]
8. Explain different components used to develop GUI based application. [10M]
- OR**
9. Develop a sample GUI application for user login. [10M]
10. Explain different functions used to interact with Database. [10M]
- OR**
11. Write a Python program to perform insertion and deletion operation on the Database and also to access records from the table. [10M]
