CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) - February- 2023
PYTHON PROGRAMMING
(Common to CSE, IT)

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

PART-A   (20 Marks)

1. a) Explain the characteristics of Python objects?   [2M]
   b) Explain standard types in python?   [2M]
   c) What are the advantages of File objects?   [2M]
   d) Write about open() and file()?   [2M]
   e) State a set of special characters in python.   [2M]
   f) What are Threads?   [2M]
   g) What is the need of Tkinter module in python?   [2M]
   h) Explain Client/Server architecture?   [2M]
   i) Explain ORM?   [2M]
   j) State different types of Module attributes?   [2M]

PART-B   (50 Marks)

2. Describe Internal Types in Python in detail.   [10M]

OR

3. What is an operator? Explain various types of operators in Python with example? [10M]

4. What is a module? How to import it? How to call a module function or access a module or   [10M]
   access a module variable?

OR

5. Explain the following file built-in functions and method with clear syntax, description and   [10M]
   illustration:
      i. open( ) ii. file( ) iii. seek( ) iv. tell( ) v. read( ).

6. Describe the following in detail: [10M]
      i.   Accessing Threads from Python.
      ii.   Python Threading Modules.

OR

7.a) What is Regular Expression? Explain with a suitable example.   [5M]
  b) Explain the impact of multithreading in Python programming?   [5M]

8. Differentiate between simple and advanced web clients?   [10M]

OR

9. Is python is good for GUI design? Justify?   [10M]

10. Discuss Python Database-Application programmers' Interface.   [10M]

OR

11. Describe in detail about python Object Relational Managers (ORMs).   [10M]

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