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R18

Course Code: A30531



CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)

B.Tech III Semester Supplementary Examinations February-2024

Course Name: PYTHON PROGRAMMING

(Common for CE, EEE, CSE & IT)

Date: 19.02.2024 AN

Time: 3 hours

Max.Marks: 70

(Note: Assume suitable data if necessary)

PART-A

Answer all TEN questions (Compulsory)

Each question carries TWO marks.

10x2=20M

1. Describe standard data types in python. 2 M
2. Explain control statement in python. 2 M
3. Describe local and global variable. 2 M
4. Explain advantages of functions. 2 M
5. Use of slicing. 2 M
6. Explain string methods. 2 M
7. Define class and object in python. 2 M
8. Use of polymorphism. 2 M
9. Uses of tkinter module. 2 M
10. Explain containers in tkinter module. 2 M

PART-B

Answer the following. Each question carries TEN Marks.

5x10=50M

- 11.A). Explain looping statements in detail. 10M
- OR**
11. B). Explain the need for learning python programming and its importance. 10M
12. A). Explain the following file built- in functions and method with clear syntax, description and illustration: 10M
- i) Open() ii) file() iii) seek() iv) tell() v) read()
- OR**
12. B). Discuss types of functions and function arguments in detail. 10M
13. A). List built- in methods used for string operations. 10M
- OR**
13. B). Explain list data type operation in detail. 10M
14. A). Illustrate different types of inheritances used in python. 10M
- OR**
14. B). Differentiate between compile-time and run-time polymorphism. 10M
15. A). Discuss GUI Programming in Python? Explain how to create GUI application using Tkinter. 10M
- OR**
15. B). Explain built-in methods used in turtle module. 10M
