

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - III COMPUTER SCIENCE & ENGINEERING-A&M : SUMMER : 2024
SUBJECT: ITC-I: PYTHON PROGRAMMING

Day : Thursday
Date : 16/05/2024

S-23936-2024

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labelled diagrams **WHEREVER** necessary.

- Q.1 What are the different types of Operators in python with example? (10)
- OR**
- Q.1 Write a program to find if the given number is prime or not. (10)
- Q.2 Write a Python function to calculate the factorial of a number. The function. (10)
- OR**
- Q.2 Write a Python program to create a class representing a Circle. Include methods to calculate its area and perimeter. (10)
- Q.3 What are file input and output operations in Python Programming. (10)
- OR**
- Q.3 Explain Regular Expression in python in detail. (10)
- Q.4 Explain GUI Programming in Python. (10)
- OR**
- Q.4 Explain CRUD operation in detail. (10)
- Q.5 What is thread? Why use thread. (10)
- OR**
- Q.5 Explain the thread synchronization process? (10)
- Q.6 Explain Django Response Lifecycle. (10)
- OR**
- Q.6 Explain Django Security. (10)

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