

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - III CS&E-A&M : WINTER : 2023
SUBJECT : ITC-I: PYTHON PROGRAMMING

Day : Tuesday

Date : 5/12/2023

Time : 10:00 AM-01:00 PM

Max. Marks : 60

W-23936-2023

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data, if necessary.

Q.1 What is difference between List, Tuple and Dictionary? Explain with example. (10)

OR

What are different data types in Python? Explain with example.

Q.2 What is object oriented programming? What are the four types of object oriented programming in Python? (10)

OR

What is inheritance? What is different types of inheritance explain with example.

Q.3 What is text processing? Explain the different applications of text processing? (10)

OR

What are the types of file in file handling in Python? Write a Python program for reading and writing file.

Q.4 What is Tkinter module in Python? Write a Python GUI (Graphical User Interface) program to add button in your application using Tkinter module. (10)

OR

What is database connectivity in Python? Which method is used to connect database in Python explain with example.

Q.5 Differentiate between multithreading and multiprocessing. Explain different types of multithreading models. (10)

OR

What is thread? Explain wait () and sleep () methods of thread with example.

Q.6 What is Django? Explain the prominent features of Django. (10)

OR

Write a short note on:

- i) Django project directory structure (05)
- ii) MVT architecture in Django (05)

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