ADITYA DEGREE COLLEGES
ANDHRA PRADESH
IV –SEMESTER, MID-I - EXAMINATIONS FEB 2025
BSC(Data Science) – DATA VISUALIZATION USING PYTHON

Date : 11.02.2025

TIME: 2HRS   MAX MARKS: 50**M**

SECTION-A

I.WRITE ALL QUESTIONS .   **3x10=30M**

1.   a)Define the term "Data science"? Explain the process?

                         Or

       b) what is Exploratory Data Analysis? Why do we use it?

2.   a) How can you differentiate the vectorized computation in python?

                         Or

       b) How can you interact with databases and API's?

3.   a) How can you combine and merge the datasets with examples?

                         Or

       b)How the python Libraries are used in your python project? Define some libraries with programs?

SECTION-B

II. WRITE ANY FOUR QUESTIONS   **4X5=20M.**

4)   Why do we use python for Data Analysis?

5)   What is web scraping?

6)   Why we use hierarchical indexing for visualization?

7)   How do you read and write the text, databases in python?

8)   what are the different types of data formats we have used for data analysis?

9)   Explain the data science process with flowchart?