

Lovely Professional University

CA2

School: Mittal School of Business

Lovely Faculty of Business and Arts

Name of the Faculty Member:

Course Code: MGNM801

Course Title: Business Analytics-I

Section:

Session Id:

Date of Allotment:

Date of Submission:

Attempt (Group/Individual): Individual

Max Marks :30

S No.	Objectives	Task	Marks	Evaluation Parameters
1	Test the understanding the concepts of Data Analysis using Pandas	Explain Pandas, assume you have a dataset with two columns, "Temperature" and "Humidity" in a csv file named "weather_data.csv". How would you perform the following operations on the dataset with pandas: 1. Read data 2. Separate the two columns and transform them into Pandas Series 3. Explain DataFrame() and Series() Function	10	Capability to solve problems – 3 marks Ability to write and describe code – 6 marks Ability to understand the problem – 1 mark
2	Test Data Visualization Capability of the students	What is Matplotlib? How would you perform the following actions in Matplotlib: 1. Make a simple line graph, scatter plot, bar chart and a histogram 2. Add Labels to each of the above charts 3. Save the graphs above using python.	10	Research of the topic – 3 marks Ability to write clean and robust code – 5 marks Ability to understand problem – 2 marks
3	Improve student's ability to understand Data Visualization concepts more effectively	Explain plotly? Create any three graph with the help of plotly.	10	Ability to write the code – 6 marks Ability to customise the graph – 3 marks Ability to understand problem – 1 mark

