PYTHON

Part A

1. Interpret on any four Methods for indexing in Data Frame	
2. What are the ways to aggregate data in Python?	
3. Compare the Python Matplotlib vs MATLAB.	
4. How to create multiple subplots using plt.subplots.	
5. Explain the contour plots in python.	
6. How data visualization can be done using matplotlib?	
7. How to explicit the format operator available in files.	
8. How to pandas handle missing data in python?	
9. How to identify the issue at handling in data preprocessing?	
10. Write a program to find the one's complement of binary number using file.	
11. How Do I Read A CSV File As A Text File?	
12. How to preprocess the data in python mention it step-by-step?	
13. How are scatter plots and histograms different from line graphs?	
14. What are 3 popular applications that have been created using Python?	

Part B

1) Explain in detail abo	out Pandas data structures and write suitable example.
2) a) Creating a sample in Pandas.6	e dataset of marks of various subjects using Aggregating data
b) Write a code for Sel	ecting a single columns and multiple columns using indexing
3) Write a program to	draw a horizontal bar chart with Matplotlib.
4) Describe Reading da	ata from CSV and TXT Files in detail with suitable code
5) Summarize Working	g with Missing Data in Pandas concepts in detail
6) Write a code for In out the approaches.	sertion Sort Visualization using Matplotlib in Python and list
7) Explain in detail abo	out data preprocessing, analysis &visualization in python.
8) Write a short notes	on Applications of python in Data science
b)Density and Contour	Plots