

CO2	K2	12a.	Discuss Inheritance and its types. (OR)
CO2	K2	12b.	Outline the Numpy aggregate functions with an example.
CO3	K3	13a.	Apply data indexing and selection on Pandas for selecting a column in excel file. (OR)
CO3	K3	13b.	Illustrate the role of objects on Pandas in filtering columns.
CO4	K3	14a.	Show the application of Pivot table with a case study. (OR)
CO4	K3	14b.	Justify experimental techniques that allow Pandas to operate at fast speeds with arrays.
CO5	K4	15a.	Analyze various ways to Plot legends in MATPLOTLIB. (OR)
CO5	K4	15b.	Investigate the role of color bars in Histogram.

Course Outcome	Bloom's K-level	Q. No	SECTION - C (5 X 8 = 40 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K4	16a.	Examine Looping statement with example. (OR)
CO1	K4	16b.	Clarify the List methods in detail.
CO2	K5	17a.	What is dictionary? List and discuss about various operations supported by a dictionary. (OR)
CO2	K5	17b.	Evaluate Arrays in python using various examples.
CO3	K5	18a.	Assess the role of missing data on Pandas. (OR)
CO3	K5	18b.	Justify Combining data set in PANDAS I.
CO4	K5	19a.	Determine vectorized String operations on PANDAS II. (OR)
CO4	K5	19b.	Assess the role of time series in high performance pandas.
CO5	K6	20a.	Propose list and various types of PLOT functions in MATPLOTLIB. (OR)
CO5	K6	20b.	Formulate three-dimensional plotting in MATPLOTLIB.