

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: MBA
BRANCH: MBA**

**SEMESTER : IV
SESSION : SP/2025**

SUBJECT: MT548 R2 DATA VISUALIZATION FOR MANAGERS

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	How important is data visualization in the world of big data?	[5] 4	5
Q.1(b)	Compare and contrast any three tools of data visualization.	[5] 1	4
Q.2(a)	What is a scatter plot? For what type of data is scatter plot usually used for? What features might be visible in scatterplots?	[5] 5	1
Q.2(b)	What is pandas? What libraries do data scientists use to plot data in Python? Which library would you prefer for plotting in Python language: Seaborn or Matplotlib?	[5] 5	1
Q.3(a)	What are the different types of data visualizations?	[5] 4	1
Q.3(b)	Explore some real-World applications of continuous and categorical Data Analysis.	[5] 4	5
Q.4(a)	What should be the key considerations to design an effective dashboard?	[5] 4	1
Q.4(b)	Design and draw a dashboard for higher level management.	[5] 4	5
Q.5(a)	How do you choose the right graph type for a given dataset? Explain with example.	[5] 2	2
Q.5(b)	What is the difference between a tree and a graph in data visualization?	[5] 1	2

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