

Birla Institute of Technology, Mesra, Ranchi

Question Paper

Branch/Specialization:	Business Analytics	Semester:	IV
Class:	MBA	Session:	SP 2022
Full Marks:	50 marks	Duration:	2 Hrs.

Subject: MT-548 Data Visualisation for Managers.

Instructions:

1. The question paper contains 10 questions each of 5 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 handbook/Graph paper etc. to be supplied to the candidates in the examination hall.

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- Q1. Discuss and elaborate the key design principles for data visualization?
 - Q2. What are the best practices, dos, and don'ts, one shall follow while creating charts and graphs?
 - Q3. Why it is important for the user to know the context for the data collection if it has been collected by someone else?
 - Q4. What are the key objectives of data exploration?
 - Q5. What are the critical points to be considered in telling stories with data?
 - Q6. Write a note on the Run chart, elaborating the key inferences that can be drawn out of it.
 - Q7. What is the importance of reviewing X-bar and R-chart together? Write about any 3 key rules for process anomaly detection?
 - Q8. Discuss and describe the best practices, dos, and don'ts of power point presentation.
 - Q9. Write a note on mathematical simulation, elaborating its application and limitations.
 - Q10. What are the common tools and software used in data visualization? Discuss with their strengths and weakness?

09/05/2022