



		Reg. No.:	
		Name :	
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<b>MID TERM EXAMINATIONS – November-December 2022</b>			
Programme	: <b>B.Tech.[BAI]</b>	Semester	: <b>Interim 2022-23</b>
Course Title/ Code	: <b>Data Visualization/ CSA3004</b>	Slot	: <b>B11+B12+B13+B14</b>
Time	: <b>1 ½ hours</b>	Max. Marks	: <b>50</b>

**Answer all the Questions**

Q.No.	Sub. Sec.	Question Description	Marks
1		Compare the state-of-the-art tools of data visualization. Write down the selection criterion for choosing the specific tool.	10
2	(a)	What, in your opinion are the advantages of visualizing complex data? Elaborate with suitable examples.	5
	(b)	Classify the data types in the context of data visualization. Explain with the help of appropriate dataset.	5
3		Design a graphical layout to show the relationship between the X and Y parameter and apply the features of complete plot.	10
4		With the help of appropriate data, define the following operations commonly used in data visualization and briefly explain their function and application (any 2): - (a) Multivariate Data Glyphs (b) Graphical Representation (c) Tree and Forest Visualization	10
5		Describe with an example of geolocated data visualization.	10

