

Semester: August 2021 - November 2021 Examination: In Semester Examination		
Programme code: Programme: Honours' Degree Programme in Data Science & Analytics Offered by Department of Computer Engineering	Class: SY	Semester: III (SVU 2020)
Name of the Constituent College: K. J. Somaiya College of Engineering	Name of the department/Section/Center: COMP	
Course Code: 116N54C301	Name of the Course: Data Visualization	

Question No.		Max. Marks
Q1	i. What is data visualization? a. It is the graphical representation of information and data b. It is the numerical representation of information and data c. It is the character representation of information and data d. None of the above	01 mark
	ii. Data visualization tools provide an accessible way to see and understand in data. a. trends b. outliers c. patterns d. All of the above	01 mark
	iii. Which method shows hierarchical data in a nested format? a. Treemaps b. Scatter plots c. Area charts d. Population pyramids	01 mark
	iv. The importance of data visualization are a. Leading the target audience to focus on business insights to discover areas that require attention b. Revealing previously unnoticed key points about the data sources to help decision makers compose data analysis reports c. Helping decision makers understand how the business data is being interpreted to determine business decisions d. All of the above	01 mark
	v. The charts that are helpful in making comparisons between a. Bar charts b. column charts c. Pie charts d. Both Bar & Column Charts	01 mark

	vi. Write advantage and disadvantages of data visualization	02 marks	
	vii. What is storytelling in digital world?	02 marks	
	vii. List the data visualization tools.	01 marks	
Q.2	A. Explain Life Cycle of Data Analysis and position of Data visualization in the cycle. Or B. List and explain data visualization principle with suitable example	10 marks	CO1 CO3
Q 3	A. Explain line chart with its uses in data visualization B. Explain the uses of scatter plot in data visualization with suitable example.	(5+5) marks	CO1 CO2