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| **SESSION** | **March - 2023** |
| **PROGRAM** | **Master of business administration (MBA)** |
| **SEMESTER** | **III** |
| **course CODE & NAME** | **DADS304 VISUALIZATION** |
| **CREDITS** | **4** |

**Assignment Set – 1**

**1. What do you mean by visualization? What are the several types of visualization?**

**Ans: Visualization** refers to the use of graphical or visual representations to present data and information in a way that is easily understandable and interpretable. It involves creating visualizations or visual displays that enable users to explore patterns, relationships, trends, and insights within the data.

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**2. Define Dashboard in Tableau.**

**Ans:** In Tableau, a dashboard refers to a collection of visualizations, reports, and other interactive elements that provide a consolidated view of data and enable users to analyze and explore information in a cohesive and visually appealing manner. Dashboards in Tableau serve as interactive and customizable interfaces that allow users to gain insights, make data-

**3. Elaborate Scatter plots. Give suitable examples.**

**Ans: A scatter plot** is a type of visualization that represents the relationship between two numerical variables. It displays data points as individual dots on a graph, with one variable plotted on the x-axis and the other variable plotted on the y-axis. Scatter plots are useful for identifying patterns, trends, correlations, and outliers in the data.

**Assignment Set – 2**

**1. What are filters in Power BI? Explain.**

**Ans: In Power BI,** filters are an essential component that allows users to refine and narrow down data based on specific criteria. Filters help in focusing on specific subsets of data, enabling users to analyze and visualize information based on their requirements. Filters can be applied to individual visuals, entire report pages, or across the entire report.

**2. Why Data Visualization is important in the current scenario?**

**Ans: Data visualization** is crucial in the current scenario for several reasons: Enhanced Data Understanding: With the increasing volume and complexity of data, visualizing data helps in gaining a deeper understanding of the information.

By presenting data visually, patterns, trends, and relationships that might not be apparent in

**3. How Power BI is different from Tableau?**

**Ans:** Power BI and Tableau are both powerful data visualization tools used for analyzing and presenting data.

**While they share similarities, there are several key differences between the two:**

**Ownership and Cost:** Power BI is developed by Microsoft, while Tableau is developed by