|  |  |
| --- | --- |
| **C:\Users\ADMIN\Desktop\j.png** | **JAIPURIA INSTITUE OF MANAGEMENT, INDORE**  Post Graduate Diploma in Management |
| **Course Title: Data Visualization (Course Code: 40825)**  **End-Term Examination, Term - V (January, 2025)** | |
| **Time Duration : 2 Hours Total Marks: 40** | |

***General Instructions*:**

1. *Answer the questions as directed. The break-up of the marks is given wherever necessary.*
2. *Marks against each question is indicated to its right.*
3. *Answer all the questions of a ‘Section/Question’ at one place in continuation.*
4. *Answers should be brief and to the point.*
5. *Do not write on the question paper except your roll number.*

*Data Set : People Data excel datasheet provided*

**SECTION – A**

Q1. Short Questions, answer briefly and main points only

1. Explain how Dashboard in Tableau enhances the effectiveness of data visualization
2. Discuss the role of Gestalt principles “Continuity” and “Closure” in data visualization.
3. Discuss the role of Parameter in data visualization.
4. Analyze the usefulness of “Geographical Chart” in data visualization.
5. Discuss the use of “Function” used in calculations in tableau. Give an example.

**(2x 5 = 10 Marks)**

Q2. Given the data, you need to **create** a dashboard as under, for each sheet, use caption to make your analysis/ observations.

1. KPI’s – Employee Count, Attrition Count, Average Age of Employees, Attrition Rate, Attrition Count **(5 Marks)**
2. Attrition by Gender as per the following chart

A graph with blue and orange lines

Description automatically generated

**(5 Marks)**

**SECTION – B**

Q3. **Create** a Story from the given data set, explaining the following

1. Which Department has the highest Attrition.
2. Number of Employees by Age Group.
3. Donut chart – Attrition by Age wise and Gender
4. Job Satisfaction by Rating.

**(5 x 4 = 20 Marks)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_