23BDS401

UG PROGRAM (4 YEARS HONOURS) WITH SINGLE MAJOR AT THE END OF FOURTH SEMESTER

DATA SCIENCE – DATA VISUALIZATION USING TABLEAU

(B.Sc. HONORS MAJOR)

(COMMON FOR B.Sc. DATA SCIENCE & B.C.A. DATA SCIENCE)

(w.e.f Admitted Batch 2023-24)

Time: 3 Hours **Maximum: 70 marks**

Section – A

Answer any FIVE Questions. **5x4=20**

1. What is the purpose of connecting to a data source in Tableau desktop?
2. What is text table in Tableau and what insights does it provide?
3. Define calculated values in Tableau.
4. How does customizing maps enhance insights in Tableau visualization?
5. What is ad hoc analysis environment in Tableau and why it is important for data exploration?
6. What is data blending in Tableau?
7. Explain the purpose of bullet graphs and Gantt charts in Tableau visualizations.
8. How is the calculation in Tableau and how do they differ from regular calculated fields?

Section – B

Answer ALL Questions. **5x10=50**

9. a) Describe what generated values are in Tableau and provide examples of how they can be used in visual analytics.

(Or)

b) Analyse how Tableau Desktop's capabilities in data connecting and joining contribute to effective visual analytics.

10. a) Explain the process of building of your first visualization in Tableau.

(Or)

b) Describe the methods of sorting data in Tableau and explain how effective sorting can improve the clarity.

11. a) Explain the concept of aggregation in Tableau and discuss its significance.

(Or)

b) Describe the process of creating a calculated field using the Calculation Dialog Box in Tableau.

12. a) Describe the method for plotting own locations on a Tableau map.

(Or)

b) Analyse the role of data shaping in enabling effective point-to-point mapping.

13. a) Discuss the process of generating new data with forecasts in Tableau.

(Or)

b) Describe how parameters are utilized to facilitate self-evident ad hoc analysis in Tableau.