



QP CODE: 24018584



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Reg No : .....

Name : .....

**M Sc DEGREE (CSS) EXAMINATION, APRIL 2024**

**Fourth Semester**

M Sc COMPUTER SCIENCE (DATA ANALYTICS)

**Core - CA030401 - DATA VISUALISATION**

2020 ADMISSION ONWARDS

4F6DF79D

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. Name any five visualisation tools.
2. What is mean by mapping data onto aesthetics?
3. Explain about visualising time series.
4. What is D3 ? and its features.
5. Explain scatter plot with example.
6. Is D3 a lightweight? Why?
7. How to Create Data Extraction in Tableau?
8. Explain the Difference between Tableau Worksheet and Workbook.
9. What are histograms in tableau? What is its use?
10. How to perform Forecasting in tableau?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Explain scales map data values onto aesthetics with example.





12. Briefly explain Histogram and Density plots.
13. Explain updating data in D3.
14. Explain transition in D3 with example.
15. What are the different field operations we can perform in Tableau?
16. What is data blending in Tableau? How is it different from joins?
17. Define a Pie chart. Explain the steps to create a Pie chart.
18. Give a brief view of the Gantt Chart. Explain the steps to create a Gantt Chart.

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. Describe cartograms & choropleth mapping in geospatial data.
20. Explain D3.
21. Discuss Tableau. Write the advantage and disadvantage and also list application.
22. Explain in detail about dashboards.

(2×5=10 weightage)

