



QP CODE: 26019611



26019611

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc Computer Science (Data Analytics)

Core Courses - CA030401 - DATA VISUALISATION

2020 Admission Onwards

5EE24B10

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Differentiate between filtering and mine in Data visualisation.
2. Explain Bar plots.
3. Discuss about visualising association.
4. Advantages of D3?
5. What are the methods of scale?
6. Analyse the use of tooltip in D3.
7. What is Tableau Show Me?
8. Explain the Difference between Tableau Worksheet and Workbook.
9. Write the steps to create a simple bubble chart. How to use a single color with different shades.
10. Give a brief overview of the tableau Dashboards.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain Histogram with diagram. What type of data is Histogram usually used for?
12. Explain about cartograms.





13. How to update axes in D3?
14. Explain updating data in D3.
15. How many view options are there in Show Me In Tableau?
16. How to change metadata in tableau?
17. Write down steps to create a waterfall chart with color.
18. What are the formatting options to change the appearance of the visualizations created?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain about data visualisation tools and different stages of data visualisation.
20. Explain D3.
21. Explain in details about joins.Explain when would you use joins vs. blending in Tableau.
22. Define a Pie chart. Explain the steps to create a Pie chart.How does a bubble chart differ from a pie chart.

(2×5=10 weightage)

