Oct/Nov - 2025

Total No. of Questions :5]

SEAT No. :

PE4214

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Dr. D. Y. Patil Institute of Management & Entrepreneur Development
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[6554]-3006

S.Y.M.C.A. (Management)

TAB612 MJ : TABLEAU

(2024 Pattern) (Semester-III)

Time : 2½ Hours] *[Max. Marks :50*

Instructions to the candidates:

1) *All questions are Compulsory.*
2) *Figure to the right indicate full marks.*
3) *Draw neat Diagram wherever necessary.*

Q1) Solve any Two **[2×5=10]**

a) Explain the role of data pivoting in Tableau and why it is useful for data preparation?

b) What types of data sources can tableau connect to natively? Provide examples.

c) Explain the how data blending differs from joins in Tableau, including scenarios where one might be preferred over the other with example?

d) What are dimensions and measures in Tableau? Provide examples for each.

Q2) Solve any two **[2×5=10]**

a) Describe how data blending works in Tableau and why it is useful for combining data from multiple sources? Provide examples.

b) Explain LOD expressions to calculate a custom metric (e.g., average sales per customer across regions) in a tableau worksheet, and describe the formula and expected output.

c) Break down the process of cross-database joins in Tableau, identifying potential challenges and how data blending can mitigate them, with example.

d) Compare data merging techniques (joins vs. unions) in Tableau, analyzing their strengths and weaknesses for different data scenarios.

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[2×5=10]

Q3) Solve any two

a) What are the key elements of a Tableau dashboard, and how do they contribute to data visualization?

b) Describe the process of creating a heat map in Tableau and elaborate typical use cases.

c) Design a dashboard layout for a Sales Performance Analysis using KPI indicators and Heat Maps. Explain the steps involved from worksheet creation to dashboard formatting.

d) Critique a sample dashboard for its use of advanced visualizations does it effectively communicate KPIs, and what improvements would you suggest?

Q4) Solve any two **[2×5=10]**

a) Explain the geospatial analytics in Tableau and list tools for creating custom territories.

b) Describe time-based data analysis in Tableau, including functions for data hierarchies and calculations.

c) Compare LOD expressions and table calculations in Tableau, analyzing their applications for different analytical needs.

d) Explain the use of dynamic data filters for comparative time analysis in Tableau with example?

Q5) Solve any two **[2×5=10]**

a) Explain the importance of user authentication and security in Tableau Server deployment.

b) Evaluate the security features of Tableau Server, and how effective are they for protecting sensitive enterprise data?

c) Explain the process of creating and managing groups and roles in Tableau Server.

d) Describe the common TSM commands used for server configuration and management with example.



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