



- (b) False
- (c) Can be true or false
- (d) one-to-one marketing
- 1-d. The potential challenge of dashboard and scorecard development is (CO2) 1
- (a) Files
- (b) OLTP
- (c) RDBMS
- (d) CREATE
- 1-e. The components of a Dashboard are (CO3) 1
- (a) Vertical
- (b) Horizontal
- (c) Image Extract
- (d) All of the above
- 1-f. The identification of a continuous field in Tableau is (CO3) 1
- (a) It is identified by blue pill in the visualization
- (b) It is identified by green pill in the visualization
- (c) It is preceded by a symbol in the data window
- (d) When added to the visualization, it provides distinct values
- 1-g. The hierarchical data in a nested format is shown by (CO4) 1
- (a) Treemaps
- (b) Scatter plots
- (c) Area charts
- (d) Population pyramids
- 1-h. The purpose of cleaning up data is (CO4) 1
- (a) To make it more visually appealing
- (b) To improve performance
- (c) To eliminate irrelevant data
- (d) All of the above
- 1-i. Creates the connection between Power BI cloud-based data and the data source located on-premises \_\_\_\_\_.(CO5) 1
- (a) Report view
- (b) Query editor
- (c) Power BI service

(d) Gateway

- 1-j. The key feature of Power BI is (CO5) 1
- (a) Ability to create and share dashboards
  - (b) Ability to create spreadsheets
  - (c) Ability to edit images
  - (d) Ability to create logos

**2. Attempt all parts:-**

- 2.a. List some common data sources used in a Business Intelligence solution.(CO1) 2
- 2.b. Define mobile business intelligence.(CO2) 2
- 2.c. State some ways to improve the performance of Tableau. (CO3) 2
- 2.d. Define Sorted list. (CO4) 2
- 2.e. State the differences between Tableau and Power BI . (CO5) 2

**SECTION B**

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**3. Answer any five of the following:-**

- 3-a. Discuss the solutions offered by BI.(CO1) 6
- 3-b. Discuss various Business intelligence tools which are using in real life.(CO1) 6
- 3-c. Write about business intelligence reporting tool.(CO2) 6
- 3-d. Enlighten the problems that business intelligence solve in IT industries.(CO2) 6
- 3.e. Categorize dimensions in Tableau. Write the names of Various Dimensions.(CO3) 6
- 3.f. Justify your answer with example "Why is it important for data scientists to focus on storytelling and presentation skills".(CO4) 6
- 3.g. Discuss the types of relationships in Power BI.(CO5) 6

**SECTION C**

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**4. Answer any one of the following:-**

- 4-a. State your views on "Will Business Intelligence become more integrated with other technologies in the future".(CO1) 10
- 4-b. Differentiate between Big Data and Business Intelligence. (CO2) 10

**5. Answer any one of the following:-**

- 5-a. Justify the terms Risk Probability and Risk Impact. Give suitable examples of both..(CO2) 10
- 5-b. Differentiate between Business Intelligence and Business Analytics with an example.(CO2) 10

**6. Answer any one of the following:-**

- 6-a. Write the steps to customize your visualization in Tableau, such as adjusting colors, fonts, and labels.(CO3) 10
- 6-b. Describe about the axis range and visualization Charts with relevant example.(CO3) 10

**7. Answer any one of the following:-**

- 7-a. Differentiate Tableau Reader and Tableau online by defining them in brief.(CO4) 10
- 7-b. Describe Virtualization using Detail Panel with an example.(CO4) 10

**8. Answer any one of the following:-**

- 8-a. Elaborate Bookmark in Power BI and why bookmark is used. (CO5) 10
- 8-b. Discuss the Power BI suite of products and how they fit into Power BI ecosystem.(CO5) 10

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