VR17

Time: 3 hours   *Max. Marks: 70*

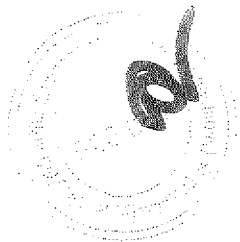*Part-A is compulsory*

Answer One Question from each Unit of Part - B

Answer to any single question or its part shall be written at one place only

PART-A

10 x 1 = 10M

1. a. What is predominantly technology related to data visualization.

    b. What is a quote from Stephen Few from his book" Show Me the Numbers"?

    c. Define tree hierarchy.

    d. Define analytical visualizations.

    e. List out taxonomy of data visualization methods.

    f. What is the design feature that might be included in a visualization?

    g. Mention some charting and statistical analysis tools used for data visualizations.

    h. Differentiate formatting accuracy and annotation accuracy.

    i. Give difference between discrete and continuous data.

    j. What is a measure?

PART-B

4 x 15 = 60M

UNIT-I

2. a. Define data visualization. Explain Visualization skills required for most effectively displaying information. **8M**

   b. Discuss establishing intent through the visualization's tone. **7M**

(or)

3. Write in brief about the "eight hats" of data visualization design. **15M**
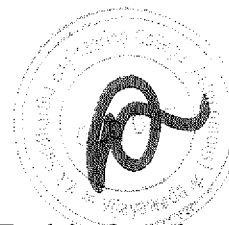
UNIT-II

4. a. "Data visualization design is all about choices". List out some few useful tactics to help to move smoothly through this process and achieve the best outcome. **7M**

   b. List out 7 chart types that help us to assess hierarchical and part-to-whole relationships. **8M**

(or)

5. Discuss in detail about the visualization anatomy of data representation. **15M**

UNIT-III

6. a. Explain about the role of programming languages in design process. **8M**

   b. Write about constructing design solution. **7M**

(or)

7. a. List the feedback questions in number of dimensions of a design in order to determine if the intention of that solution is consistent with the audience experience. **5M**

   b. Write in brief about the post launch evaluation. **10M**

UNIT-IV

8. a. Explain the process of connecting to data in Tableau. **7M**

   b. List out the most important Tableau terminology by names and definitions. **8M**

(or)

9. a. What are the five ways to create a bar chart in Tableau? **7M**

   b. Describe encoding, level of details and marks cards for data representation. **8M**

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