

22396

23124

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Illustrate your answers with neat sketches wherever necessary.
 - (3) Figures to the right indicate full marks.
 - (4) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE of the following :

10

- (a) Define waterfall chart.
- (b) Elaborate on how to focus on audience attention.
- (c) Define affordance and accessibility.
- (d) Define Big Data.
- (e) Write down about visualizing distribution.
- (f) Draw slope graph for active smart devided phone user at day time and night time.
- (g) Define Data Visualization.

2. Attempt any THREE of the following :

12

- (a) Describe who, what and how with the example.
- (b) Explain decluttering with step-by-step process.
- (c) Elaborate highly skewed distribution.
- (d) Differentiate between smoothing and detrending.



- 3. Attempt any THREE of the following : 12**
- (a) Discuss preattentive attributes in graph.
 - (b) Make story on corona virus breakdown.
 - (c) Describe Empirical cumulative distribution.
 - (d) Explain time series decomposition.
- 4. Attempt any THREE of the following : 12**
- (a) Write about dissecting model visuals in detail.
 - (b) Illustrate the use of animation to tell story.
 - (c) Demonstrate Quantile-Quantile plots in detail.
 - (d) Explain case study visualization with various types of charts.
 - (e) Discuss visualizing trends in detail.
- 5. Attempt any TWO of the following : 12**
- (a) Give an effective visuals to tell data story on use of AI in your life.
 - (b) Describe Gestalt principles of visual perception.
 - (c) Explain power of repetition.
- 6. Attempt any TWO of the following : 12**
- (a) State the importance of data storytelling.
 - (b) Discuss about various data visualization tools like tabler, spreadsheets, python.
 - (c) Explain visualizing distribution along with horizontal axis.
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