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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)**M.Tech I Year II Semester Regular Examinations October-2020****DATA PREPARATION AND ANALYSIS**

(Computer Science &amp; Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- 1 a Discuss about Data formats. 6M  
b Describe the concept of Parsing. 6M

**OR**

- 2 a Describe about Converting Continuous Data to Categories. 6M  
b Explain the concept of combining the variables. 6M

**UNIT-II**

- 3 a What is the need of data cleaning? Explain. 6M  
b Discuss about Consistency checking. 6M

**OR**

- 4 a Discuss about Data segmentation. 6M  
b How the data transformation can be done? Discuss. 6M

**UNIT-III**

- 5 a Describe Comparative statistics. 6M  
b What is exploratory analysis? Explain. 6M

**OR**

- 6 a Define clustering? Give one example. 6M  
b Discuss about K-means clustering. 6M

**UNIT-IV**

- 7 a Discuss about Visualization. 6M  
b Write about examples of Visualization. 6M

**OR**

- 8 a Discuss about Temporal visualization with an example. 6M  
b Compare Visualization on location data and time series data. 6M

**UNIT-V**

- 9 a Differentiate between correlation and simple linear regression. 6M  
b What is the relation between data analysis and visualization? Explain. 6M

**OR**

- 10 a What are the network connections? Explain. 6M  
b How effective is data visualization? Explain. 6M

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