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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY::PUTTUR
(AUTONOMOUS)****M.Tech I year II Semester Regular Examinations June 2019****DATA PREPARATION AND ANALYSIS**

(Computer Science and Engineering)

Time: 3 hours**Max. Marks: 60****(Answer all Five Units 5×12=60 Marks)****UNIT I**

- 1 a Design the table for generating a series of dummy variables from the single color variable 6M
- b Explain about Data formats. 6M

OR

- 2 Explain in detail about the process of preparing the data tables. 12M

UNIT II

- 3 a Explain about any two data cleaning methods. 6M
- b How to clean the Heterogeneous data? 6M

OR

- 4 Discuss about Segmentation in Data analysis. 12M

UNIT III

- 5 a What are the key properties of a data set? 6M
- b Discuss about K-means clustering. 6M

OR

- 6 Write in detail about Association in data mining process. 12M

UNIT IV

- 7 Discuss about Data visualization examples on Location Data. 12M

OR

- 8 a Explain the informational visualization. 6M
- b Compare Visualization on location data and time series data. 6M

UNIT V

- 9 What are the tools available to visualize network connections? Explain. 12M

OR

- 10 a Write one example on correlation of data visualization. 6M
- b What is the relation between data analysis and visualization? Explain. 6M

END