

Register No:

Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FOURTH SEMESTER B.TECH DEGREE EXAMINATION(R), MAY 2024**Computer Science and Engineering****(2020 SCHEME)****Course Code : 20CST298-B****Course Name : Data Definition and Analysis Techniques****Max. Marks : 100****Duration:3 Hours**

Scientific calculator and statistical table is allowed in the examination hall.

PART A*(Answer all questions. Each question carries 3 marks)*

1. List the advantages of Data Collection through Questionnaires.
2. Define Big Data and Small Data. Provide an example of each.
3. Describe data transformation.
4. What is the significance of data management ?
5. What are the factors that influence the determination of sample size in Data Analysis.
6. Describe simple linear regression in data analysis.
7. Explain covariance analysis.
8. What are the applications of Parametric test.
9. Define Dashboards.
10. Write notes on the following terms
 - A) The footnotes
 - B) Documentation Style

PART B*(Answer one full question from each module, each question carries 14 marks)***MODULE I**

11. Explain the following terms in Measurement scales.

A) Validity	7
B) Reliability	7

OR

12. Describe the following with suitable examples.

A) Systematic Sampling	7
B) Stratified Sampling	7

MODULE II

13. Explain the various methods to handle redundant data. 14
- OR**
14. Explain knowledge mining in detail. 8
Describe the typical steps involved in the knowledge discovery process. 6

MODULE III

15. Illustrate Chi- Square test with a suitable example. 14

OR

16. Describe the process of data correlation analysis, including the methods used to measure correlation between variables. 14

MODULE IV

17. Explain the types of Reports in detail with layout. 14

OR

18. Describe ANOCOVA in detail with an example. 14

MODULE V

19. Explain the significance and steps in Report writing with suitable examples. 14

OR

20. Explain the Precautions for writng Research reports in detail. 14
