Code No: 155AT

R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year I Semester Examinations, February - 2022
DATA ANALYTICS
(Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks
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1.   Market researchers have used four experimental designs for generating primary data. Describe them in detail. [15]

2.   Explain about data quality and data preprocessing. [15]

3.   Demonstrate the various steps involved in data analytics and discuss the tools and environment needed for analytics. [15]

4.   Explain how data imputation can be performed. [15]

5.a)   Discuss the best unbiased linear estimator property of regression.
   b)   Demonstrate ordinary least square estimation. [7+8]

6.   Elucidate analytical applications to various business domains. [15]

7.a)   What is ETL? List the commercially available ETL tools.
   b)   Demonstrate ARIMA for time series data. [7+8]

8.   How to perform visualization of the data using a hierarchical partitioning into subspaces? Explain with examples. [15]

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