

Seat No.:_____

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER– V• EXAMINATION – WINTER 2020

Subject Code:4659306

Date:05/01/2020

Subject Name:Big Data Analytics

Time:10:30 AM to 12:30 PM

Total Marks: 56

Instructions:

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|------------|------------|--|-----------|
| Q.1 | (a) | 1. Explain to implementing data mining method. | 04 |
| | | 2. What is the Mining Relationship? | 03 |
| | (b) | Explain Descriptive VS Predictive Modeling. | 07 |
| Q.2 | (a) | Explain Visualizing and Analyzing Networks. | 07 |
| | (b) | Explain social data metrics and taxonomy. | 07 |
| Q.3 | (a) | 1. Explain the Drivers of big data | 04 |
| | | 2. Explain the Model Planning. | 03 |
| | (b) | Write a short note Data Analytics Lifecycle. | 07 |
| Q.4 | (a) | Explain Non-Hierarchical clustering using The k-Means Algorithm. | 07 |
| | (b) | Give the advantages and disadvantages of collecting social network data. | 07 |
| Q.5 | (a) | Explain Statistical Modeling with example. | 07 |
| | (b) | Explain the Generating Candidate Rules. | 07 |
| Q.6 | (a) | Write a short note Direct Vs Undirected Networks. | 07 |
| | (b) | Write a model with trend and seasonality with example. | 07 |
| Q.7 | (a) | Explain Simple Exponential smoothing. | 07 |
| | (b) | Write a short note principals of apriori algorithm. | 07 |
| Q.8 | (a) | Explain Emerging Big Data Ecosystem and a New Approach to Analytics. | 07 |
| | (b) | Write a short note Bag-of-words Vs Meaning extraction at document level. | 07 |
