

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.

- 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**

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