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Roll No

CS-8003(2)-CBGS

B.E. VIII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Data Mining

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Discuss in detail about the Bayesian and decision tree classifier.
b) Explain FP-Growth algorithm.
2. a) List out the differences between OLTP and OLAP.
b) Discuss the various schematic representations in multidimensional model.
3. a) Explain whether association rule mining is supervised or unsupervised type of learning.
b) The heights of players of a school's basket ball team are 72", 74", 70", 78", 75" and 70". Find the mean height.
4. a) Describe different data cleaning approaches.
b) Can you briefly describe the four stages of Knowledge Discovery (KDD)? Can you describe the multi-tiered data warehouse architecture?
5. What is the need of Data Preprocessing? Discuss various forms of preprocessing.

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6. Briefly explain major issues and challenges of Data Mining.
7. Briefly explain the Data Warehouse Models with an example.
8. Write a short note on following:
 - a) Supervised and Unsupervised Learning with an example.
 - b) Multilevel Association Rules

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