

**Code: 9A05706**

**R09**

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2016

**DATA WAREHOUSING & DATA MINING**

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) How can we measure the dispersion of data? Explain.  
(b) What is cluster analysis? Explain.
- 2 (a) Distinguish between operational database system and data warehouses.  
(b) Explain the role of constrained gradient analysis in data cube.
- 3 With the help of a suitable example, explain how to find the frequent item sets by using candidate generation method.
- 4 (a) Give brief description about the k-nearest neighbor classifiers.  
(b) Briefly outline the major steps of decision tree classification.
- 5 Discuss in detail about PROCLUS and frequent pattern based clustering method.
- 6 (a) With the help of suitable example, explain Apriori based frequent substructure mining algorithm.  
(b) Write short notes on Hoeffding tree algorithm.
- 7 Describe in detail about the multimedia data mining process.
- 8 Write short note on the following:
  - (a) Social impacts of data mining.
  - (b) How to choose a data mining system.
  - (c) Statistical data mining.

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