

**Code: 9F00403****MCA IV Semester Regular & Supplementary Examinations May 2018****DATA WAREHOUSING & MINING**

(For students admitted in 2011 (LC), 2012, 2013, 2014, 2015 &amp; 2016 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain the architecture of a typical data mining system with a neat diagram.  
(b) Explain the process of data cleaning.
- 2 (a) Explain different schemas of multi dimensional databases with neat diagrams.  
(b) Illustrate three-tier data warehouse architecture with neat diagram.
- 3 Explain about attribute oriented induction method with example.
- 4 (a) Explain the process of improving the efficiency of Apriori algorithm.  
(b) Explain about constrained based association mining.
- 5 (a) What is Bayes' theorem? Explain the working of naïve Bayesian classifier.  
(b) Explain the procedure for evaluating the accuracy of a classifier or predictor.
- 6 (a) Explain about constraint based clustering analysis.  
(b) Explain about graph mining.
- 7 (a) Explain about text mining approaches.  
(b) Explain about multimedia data mining.
- 8 (a) Explain about statistical and visual data mining.  
(b) Explain how data mining is used for intrusion detection.

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