

**Code: 9E00307d**

MBA III Semester Regular & Supplementary Examinations January 2015

**DATA WAREHOUSING & MINING**  
(For students admitted in 2011, 2012 & 2013 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Define data, information and knowledge. Explain relationships among them.  
(b) Explain the problems with data management systems.
- 2 (a) Explain sharing data between functional units.  
(b) Explain sharing data between different levels of users.
- 3 (a) Explain the data warehouse architecture.  
(b) What is data warehouse and explain the need of data warehouse?
- 4 (a) Explain multi-dimensional data structures.  
(b) Explain organizing relational data warehouse.
- 5 (a) What is metadata? Explain the computer based metadata for people to use.  
(b) Explain the computer based metadata for computer to use.
- 6 (a) Explain web based OLAP.  
(b) Explain about active analysis: user queries.
- 7 (a) Explain data warehouse database and analysis architecture.  
(b) Explain data warehouse hardware.
- 8 (a) Explain structure of neural networks.  
(b) Explain cleaning and loading.

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