

Hall Ticket No:

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Question Paper Code: 16MCA112

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**

(UGC-AUTONOMOUS)

**MCA III Year I Semester (R16) Supplementary End Semester Examinations – May 2019**

(Regulations: R16)

**DATA WAREHOUSING AND MINING**

Time: 3Hrs

Max Marks: 50

Attempt all the questions. All parts of the question must be answered in one place only.

**In Q.no 1 to 5 answer either Part-A or B only**

Q.1(A) Classify and explain the Data mining systems. 10M

**OR**

Q.1(B) Discuss in detail about Data Reduction 10M

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Q.2(A) Explain about Star schema and Snowflake schema with the help of suitable diagrams. 10M

**OR**

Q.2(B) What is Association rule? Explain with Market Basket analysis. 10M

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Q.3(A) Explain about decision tree induction algorithm with example. 10M

**OR**

Q.3(B) Explain any two classification methods. 10M

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Q.4(A) Explain any two Hierarchical clustering methods. 10M

**OR**

Q.4(B) What is outlier? Explain various methods for detecting outliers. 10M

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Q.5(A) Explain about Spatial datamining 10M

**OR**

Q.5(B) What is Text Mining? Explain different text mining techniques. 10M

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