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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**

MCA II Year I Semester (R16) Regular Examinations November 2017

DATAWAREHOUSING AND MINING

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 X 12 = 60 Marks)

UNIT-I

- 1 a Define the term 'Data mining'. Explain its significance in database technology 6M
b Briefly discuss the functionalities of data mining 6M

OR

- 2 a Discuss in brief about dimensionality reduction 6M
b Discuss issues to consider during data integration 6M

UNIT-II

- 3 a Write in detail about multidimensional versus multi operational OLAP 10M
b Explain the various ways of analyzing multidimensional data 2M

OR

- 4 a Explain algorithm for attribute-oriented induction 6M
b Explain the data warehouse applications. 6M

UNIT-III

- 5 a Explain in detail the algorithm for decision tree induction 10M
b What is meant by classification? What are applications of classification model 2M

OR

- 6 a Explain Bayesian classification methods. 6M
b Explain the working of Support vector machine. Also explain how SVM's are used for classifying linearly separable data 6M

UNIT-IV

- 7 a Define density based clustering 2M
b Explain in detail different types of clustering methods 10M

OR

- 8 a What are different types of hierarchical methods? explain 6M
b Describe center based approach for DBSCAN 6M

UNIT-V

- 9 a Briefly discuss about mining the world wide web 6M
b Discuss spatial data mining 6M

OR

- 10 Explain about data mining systems products and research prototypes 12M

*** END ***