

SF - 498

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Seat No.	
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B.E. (I.T.) (Semester - VII) Examination, November - 2017
DATA MINING (Elective - I)
Sub. Code : 67625

Day and Date : Tuesday, 21- 11 - 2017

Total Marks : 100

Time : 02.30 p.m to 05.30 p.m.

- Instructions :
- 1) Q4 & Q8 are compulsory.
 - 2) Attempt remaining any two questions from each sections.
 - 3) Figures to the right indicates full marks.
 - 4) Assume any additional suitable data if any.

SECTION - I

- Q1) a) Explain Basic data mining tasks? [8]
b) Explain Data mining verses knowledge discovery in databases. [8]
- Q2) a) What is Regression & correlation ? Explain with the help of suitable formula. [8]
b) Explain CART method for building decision tree. [8]
- Q3) a) Explain the k-nearest neighbor classification algorithm. [8]
b) Explain Hypothesis testing with the help of an example. [8]
- Q4) a) What are rule based algorithms? How to generate rules for decision trees? [8]
b) What is point estimation technique? [9]

SECTION - II

- Q5) a) What are parallel and distributed algorithms. [8]
b) Write a short note on DBSCAN. [8]
- Q6) a) Explain Hierarchical & Agglomerative algorithms for clustering. [8]
b) Describe PAM algorithm. [8]

P.T.O.

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- Q7) a) Write a short note on Outlier analysis
b) Explain Apriori algorithm for association rules.

[8]

[8]

Q8) Write a short note on

- a) CURE algorithm
b) Pagerank algorithm

[9]

[9]

