



Date: 28-04-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

SECTION-A

ANSWER ALL THE QUESTIONS:

(10 x 2 = 20)

1. What is root mean square error?
2. Define Manhattan distance.
3. Write down the differences between Prediction and classification.
4. What is Perceptron?
5. What is divisive clustering?
6. What is spanning tree?
7. Define “Fast update”.
8. Define Conviction
9. What are web crawlers?
10. What is page rank?

SECTION-B

ANSWER ALL THE QUESTIONS:

(5 x 8 =40)

- 11 a) Compare data mining with knowledge discovery in databases.
(OR)
b) Explain the steps of genetic algorithm.
- 12 a) Explain K- Nearest Neighbor algorithm.
(OR)
b) Explain CART algorithm with an example.
- 13 a) Explain the distance measures used in clustering algorithm
(OR)
b) Explain K-Medoid algorithm with an example
- 14 a) Write down the algorithm to find support and confidence.
(OR)
b) Explain quantitative association rules algorithm.
- 15 a) Explain Personalization in Web Content mining.
(OR)
b) Explain spatial data structures in spatial mining.

SECTION-C

ANSWER ANY TWO QUESTIONS:

(2 x 20 = 40)

16. i) Explain the categorizations of data mining tasks.
ii) Explain decision trees with example.
17. i) Explain K-Means clustering algorithm with example.
ii) Explain parallelism in data and task.
18. i) Explain temporal mining with example.
ii) Explain Association –Rule mining with example.
