LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034
M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIFTH SEMESTER – **NOVEMBER 2018**

16PCA5MC03– DATA MINING

Date: 27-10-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

Part-A

Answer ALL Questions   **(10 * 2= 20 Marks)**

1. What is Data dredging?
2. Define class / concept description.
3. Give an example for single dimensional association rule.
4. Define density based classification.
5. What are the different methods used for classification?
6. What are issues in clustering?
7. Define spatial data warehouse.
8. What is description based retrieval multimedia data?
9. What is web wavelet based signature?
10. What are the social impacts of Data mining?

Part – B

Answer ALL Questions   **(5 * 8= 40 Marks)**

11. a) Explain the classification of Data mining system.

(or)

b) Explain the methods of filling the missing values.

12. a) Describe all the issues regarding classification and prediction.

(or)

b) Explain Rule based classification with an example.

13. a) Explain the requirements of clustering.

(or)

b) Explain k-means clustering algorithm in detail.

14. a) Write short notes on Text mining.

(or)

b) Explain Multimedia data mining in detail.

15. a) Explain Data mining for the Retail industry.

(or)

b) Explain the architecture of Data warehouse.

Part – C

Answer any TWO Questions (2 * 20= 40 Marks)

16. Discuss Data Reduction process in detail – 20 Marks.

17. a) Explain classification by Backpropagation.

   b) Discuss Hierarchical clustering methods.

18. a) Describe Spatial data mining in detail.

   b) Explain the OLAP operations on multidimensional data.

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