

S.No. 588

12PCA17

(For the candidates admitted from 2012 – 2013 onwards)
M.C.A. DEGREE EXAMINATION, NOVEMBER 2017.

Fourth Semester

DATA MINING AND WAREHOUSING

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. (a) What are the various steps of knowledge discovery? Discuss.

Or

- (b) Discuss on data warehouses.

2. (a) Discuss on data integration.

Or

- (b) Write a note on data transformation.

3. (a) Discuss on classification and prediction.

Or

- (b) Write about back propagation.

4. (a) Write a note on cluster analysis.
- Or
- (b) Discuss on the K-means partitioning method.

5. (a) How to choose a data mining system?
Discuss.

Or

- (b) Discuss on collaborative filtering.

PART B — (5 × 10 = 50 marks)

Answer ALL the questions.

6. (a) Describe the architecture of data mining system.

Or

- (b) Describe the steps for the design and construction of data warehouses.

7. (a) Explain discretization and concept hierarchy generation for numerical data.

Or

- (b) Give a detailed note on dimensionality reduction.

8. (a) Explain the following :
- (i) Preparing the data for classification and prediction.
- (ii) Comparing classification and prediction methods.

Or

- (b) Explain Bayesian classification.

9. (a) Explain Hierarchical clustering methods.

Or

- (b) Give a detailed note on model-based clustering methods.

10. (a) Give a detailed note on trends in data mining.

Or

- (b) Explain the following :
- (i) Theoretical foundation of data mining.
- (ii) Statistical data mining.
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