B. Sc. (Sem. VI) (Computer Science) Examination
March/April – 2015
607-1 : Introduction of Data warehousing & Datamining

Time : 3 Hours] [Total Marks : 70

Instruction :

1. Answer the followings Questions. 14
   (1) Define Data Mining.
   (2) What is Data Cleaning?
   (3) Differentiate: Data, Information and Knowledge.
   (4) Define: Single Dimensional Boolean Association Rule.
   (5) Define : Prediction.
   (6) Define: Multidimensional Data Model.
   (7) List two application of data mining.

2. Answer the followings Questions. : (any two) 14
   (1) What is a Data warehouse? Explain the characteristics of data warehouse.
   (2) Discuss system development life cycle of a data warehouse. What factors should be considered while designing a data warehouse.
   (3) Discuss data warehouse components.
3 Answer the followings Questions : (any two)

1. Discuss any 3 data mining primitives in detail.
2. Describe data integration and transformation in detail.
3. Write notes on following:
   (a) Concept Hierarchy Generation
   (b) Concept Description

4 Answer the followings Questions : (any two)

1. Explain application of each of the data mining technique giving appropriate example.
2. Write a detailed note on Association Rule Mining.
3. Compare and contrast classification and clustering.

5 Answer the followings Questions : (any two)

1. Explain the process of decision tree induction based classification.
2. Explain the issues related to classification and prediction.
3. Write a detailed note on partitioned-based clustering.