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AD-3279

B. Sc. (Sem. VI) (Computer Science) Examination

March/April – 2015

607-1 : Introduction of Data warehousing & Datamining

Time : **3** Hours] [Total Marks : **70**

Instruction :

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ B. SC. (SEM. VI) (COMPUTER SCIENCE)

Name of the Subject :

☛ 607-1 : INTRO. OF DATA WAREHO. & DATAM.

☛ Subject Code No. : 3 2 7 9 ☛ Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

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)** **14**

(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)** **14**

(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)** **14**

(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.
