Subject : I. T. - Elective-I b) Data Warehousing & Data Mining

Day : Saturday
Date : 10/12/2016

S.D.E. |||||||||||||||||
33532

Time : 02.00 P.M. TO 05.00 P.M.
Max Marks : 80   Total Pages : 1

N.B.:
1) Attempt any **FOUR** questions from Section –I and any **TWO** questions from Section–II.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SAME** answer book.

SECTION –I

Q.1 List and describe the primitives for specifying a data mining task. **(12)**

Q.2 Explain difference and similarities between Data Warehouse and databases. **(12)**

Q.3 Explain snowflakes with example for multi dimensional data bases? **(12)**

Q.4 Explain various types of OLAP operation possible on Multidimensional data model. **(12)**

Q.5 Explain the methods for data integration and transformation. **(12)**

Q.6 Discuss various data mining techniques. **(12)**

SECTION-II

Q.7 Propose a algorithm in pseudo-code for automatic generation of concept hierarchy for numeric data base on equiwidth portioning rule. **(16)**

Q.8 Consider the following data set:
13, 15, 16, 16, 19, 20, 20, 21, 22, 22, 25, 25, 25, 25, 30, 33, 33
Find out Mean, Median and Mode. **(16)**

Q.9 Write a algorithm for finding frequent item sets with candidate generation. **(16)**

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