



SB-3646

M. Sc. (Bio-Informatics) (Sem. IV) Examination
March / April - 2011
405 - Data Warehousing & Data Mining

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. SC. (BIO-INFORMATICS) (SEM. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="405 - DATA WAREHOUSING AND DATA MINING"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="6"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	

- 1 Do as directed : 14
- (a) Define : OLTP and OLAP. Compare : OLTP and OLAP. 6
- (b) Describe the phases in the KDD process. How does KDD differ from data mining ? 8
- 2 Attempt any two : 14
- (a) Describe data cube. Explain lattice of cuboids.
- (b) Write a note on Data Warehouse Architecture.
- (c) Define : Concept hierarchy. Explain usage of it through proper example.
- 3 Do as directed : 14
- (a) Write a note on Genetic algorithm and K-Nearest Neighbour algorithm. 6

OR

- (a) Write a note on Data Mining Architecture. 6
- (b) Explain star schema for data warehouse taking practical example. Compare it with galaxy schema. 8

- 4 Attempt any **two** : 14
- (a) Define : Data warehouse. Explain its characteristics.
 - (b) Write a note on Data Preprocessing.
 - (c) Describe Apriori Algorithm.
- 5 Attempt any **two** : 14
- (a) Define : Pattern. Explain Pattern Class and episodes.
 - (b) Write a note on Decision Tree classification algorithm.
 - (c) Describe multidimensional model of data warehouse.
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