



SB-4600

M. Sc. (Sem. III) (Appl. Stat.) Examination

March / April – 2011

Data Mining : Paper - I

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशवेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. 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. (Sem. III) (Appl. Stat.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Data Mining : 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="4"/> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="0"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	
Student's Signature	

(2) Draw the figures and give example wherever necessary.

1 Answer in brief : (any **four**) 16

- (1) Explain what is metabata and its importance.
- (2) What are the different types of databases available ?
- (3) Explain data mining and its need.
- (4) Explain trend analysis, relationships and patterns.
- (5) Define and explain data warehouse.

2 Answer the following : (any **three**) 18

- (1) Explain at least three applications of data mining.
- (2) Explain CART algorithm.
- (3) Write a note on clustering.
- (4) Explain the life cycle of data warehouse.

3 Answer the following : (any **three**) 18

- (1) Differentiate between operational and informational systems.
- (2) Differentiate between top to bottom and bottom to top approach.

- (3) Explain ETL in detail.
- (4) Explain hierarchical databases.

4 Answer the following : (any **three**) 18

- (1) Explain rule induction algorithm.
 - (2) Explain aprior algorithm in detail.
 - (3) Explain discriminant analysis in detail with an example.
 - (4) Write a note on logistic regression.
-