17520

16117

3 Hours / 100 Marks Seat No. | | | | | | | | |

Instructions *: (1)* ***All*** *questions are* ***compulsory****.*

(2) Illustrate your answers with ***neat*** *sketches* ***wherever*** *necessary.*

(3) Figures to the ***right*** *indicate* ***full*** *marks.*

(4) *Assume suitable data, if necessary.*

Marks

1. a) Attempt **any three** of the following : **(3×4=12)**

a) Define 1) Data mining
2) Data warehousing. **4**

b) Describe data cleaning techniques. **4**

c) Describe concept hierarchies. **4**

d) Describe concept description in data mining. **4**

b) Attempt **any one** of the following : **(1×6=6)**

a) Describe classes of DSS and categories of the same. **6**

b) Describe need of data warehousing and characteristics of data warehousing. **6**

2. Answer **any two** of the following : **(2×8=16)**

a) Explain with neat block diagram data warehousing and its components functions. **8**

b) Describe the need of data preprocessing and its techniques. Draw neat block diagrams. **8**

c) Describe following schema's for multidimensional data base 1) Star 2) Snow flakes. **8**

3. Answer **any four** of the following : **(4×4=16)**

a) Describe model management for DSS. **4**

b) Explain DSS and its implementation in business organization. **4**

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Marks

c) Describe data reduction techniques. **4**

d) Define OLAP and why it is required for data warehousing. **4**

e) Give benefits of data warehousing. **4**

4. a) Answer **any three** of the following : **(3×4=12)**

a) State and explain mining to world wide web. **4**

b) State and explain issues regarding classification and predictions. **4**

c) Explain mining text databases. **4**

d) List four major applications of data mining in business. **4**

b) Answer **any one** of the following : **(1×6=6)**

a) Describe the method of summarization based on characterization. **6**

b) List and explain applications of knowledge discovery techniques. **6**

5. Answer **any two** of the following : **(2×8=16)**

a) Describe with example the apropri algorithm. **8**

b) List all mining techniques and explain any one. **8**

c) List all mining association rule and explain any one of it. **8**

6. Answer **any four** of the following : **(4×4=16)**

a) State any six needs of data mining. **4**

b) Define metadata. How it will be classified according to need of organization ? **4**

c) Describe mining descriptive statistical measures in large databases. **4**

d) How data mining algorithms can be implemented in various applications of data mining ? Justify your answer. **4**
