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**BR—267—2016**

**FACULTY OF COMPUTER STUDIES**

**M.Sc. (Second Year) (Third Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**(Revised Course)**

**COMPUTER SCIENCE**

**Paper (S3-3)**

**(Data Mining and Data Warehousing)**

**(Monday, 21-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—100*

*N.B. :—* (i) All questions are compulsory.

(ii) Assume suitable data wherever necessary.

(iii) Draw neat and labelled diagrams wherever necessary.

1. (a) Enlist the advantages of data warehousing. 10

(b) Explain RDBMS and data mining with example. 10

*Or*

(c) Explain data mining Vs. knowledge discovery in databases. 10

(d) Explain database and OLTP system. 10

2. (a) Explain statistical perspective on data mining. 10

(b) Explain decision tree based algorithm. 10

*Or*

(c) What are the techniques used on data mining ? Explain. 10

(d) Explain neural network based algorithm. 10

3. (a) Explain hierarchical algorithm. 10

(b) Explain basic algorithm. 10

*Or*

(c) Explain disadvantages of clustering. 10

(d) Explain parallel algorithm of association rule. 10

4. (a) Explain advantages of web mining. 10

(b) How is data warehousing differ from data storage ? Explain. 10

P.T.O.

*Or*

- (c) Explain web structure mining in detail. 10
- (d) Explain the requirement of data warehousing. 10
- 5. Write short notes on (any *four*) : 20
  - (a) Regression
  - (b) Sequence discovery
  - (c) KDD process
  - (d) Development of data mining
  - (e) Multidimensional schemes
  - (f) Missing data.