

This question paper contains **2** printed pages]

**BR—266—2016**

**FACULTY OF COMPUTER STUDIES**

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

**OCTOBER/NOVEMBER, 2016**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**CS-303**

**(Data Mining and Data Warehousing)**

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

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

*Time—3 Hours*

*Maximum Marks—75*

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

*(ii) Draw neat and labelled diagram wherever necessary.*

*(iii) Assume suitable data wherever necessary.*

1. Attempt any *three* of the following : 15

- (a) Enlist the advantages and data mining.
- (b) Explain decision tree with example.
- (c) Explain web mining in detail.
- (d) Explain partitional algorithm.
- (e) Describe neural network based algorithm.

2. Answer the following (any *three*) : 15

- (a) Explain RDBMS and data mining with an example.
- (b) Explain database and OLTP system.
- (c) Explain web structure mining in detail.
- (d) Explain disadvantages of clustering.

3. Solve the following (any *three*) : 15

- (a) Distinguish between decision tree and neural network.
- (b) Explain the working of data warehousing.
- (c) Explain distributed algorithm of association rule.
- (d) Explain web content mining in detail.

P.T.O.

4. Answer the following (any *three*) : 15
- (a) Explain the requirement of data warehousing.
  - (b) Explain decision tree based algorithm.
  - (c) Enlist the advantages of web and web mining.
  - (d) How is data warehousing differ from data storage ? Explain.
5. Write short notes on (any *three*) : 15
- (i) Educational data mining
  - (ii) Sequence discovery
  - (iii) Summarization
  - (iv) Measuring performance
  - (v) Multidimensional schemes.