



DG-5738

M. C. A. (Sem. V) Examination

March / April - 2016

Paper - 505 : Data Warehousing & Data Mining

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशविक निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. C. A. (SEM. V)

Name of the Subject :
P. - 505 : DATA WAREHOUSING & DATA MINING

Subject Code No. : 5 7 3 8 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

- 1 Define and Differentiate (any 3).....[18]
 - A. Data warehousing & Data Mart
 - B. OLAP & OLTP
 - C. Classification and clustering
 - D. Confidence, support and lift for association rule mining.
- 2 Attempt any 3 [18]
 - A. Define data mining. Discuss data mining as a step in KDD process.
 - B. List measures for attribute selection for decision tree. Explain any one.
 - C. List various clustering algorithms. Explain any one with proper example.
 - D. Explain data cleaning tasks for handing noisy and missing data.
- 3 Attempt any 3 [18]
 - A. Write a note on FP-Growth algorithm using example.
 - B. Describe data cube. Explain lattice of cuboids.
 - C. Explain use of various data mining models for insurance company.
 - D. Explain use of decision tree for data mining giving proper example.
Also discuss the meaning of tree pruning.
- 4 Attempt any 2 [16]
 - A. Differentiate classification and prediction. Explain any one prediction model.
 - B. Explain association rule mining with example. Also discuss multilevel and multidimensional association rule.
 - C. Explain star schema for data warehouse taking practical example.
Compare it with galaxy schema.