Shakti Academy

B.E (IT) Sem VII Rev. : 30/11/13
DWM & BI

C:\data\SP\Con No. 14

16

Con. 8517-13. **LJ-14017**

Revised Course

(3 Hours) **[Total Marks : 100**

N.B. : (1) Questions No. **1** is **compulsory**.
(2) Answer any **four** out of remaining questions.

1. Answer any **four** :–
   (a) Differentiate between DLAP and OLTP **5**
   (b) What is noisy data ? How to handle it. **5**
   (c) Explain constraint based association Rule mining. **5**
   (d) Why is tree pruning useful in decision tree induction. **5**
   (e) What is balanced score card. **5**

2. (a) Explain in detail HITS algorithm in web mining. **10**
   (b) What are issues regarding classification ? Differentiate between classification and prediction. **10**

3. (a) Explain Data Mining Premitives. **10**
   (b) Give the architecture of Typical Data Mining System. **10**

4. (a) Consider the following database with minimum support count = 60%. Find all frequent item set using Aprion and also generate strong association roles if minimum confidence = 50%. **10**

TID	Items - brought
T1	{M, O, N, K, E, Y}
T2	{D, O, N, K, E, Y}
T3	{M, A, K, E}
T4	{M, U, C, K, Y}
T5	{C, O, 0, K, i, e}

   (b) Explain multidimensional and multilevel association rules with an example. **10**

5. (a) What do you mean by preprocessing ? Why it is required. **10**
   (b) What is ETL process ? Explain in detail giving emphasis on Data Transformation. **10**

6. (a) Explain Bayesian classification. **10**
   (b) Explain periodic crawfer and Incremental Crawfer. **10**

7. Write short notes on any **two** :– **20**
   (i) Test Mining Approaches
   (ii) Numerority reduction
   (iii) Data Discretization and Sommarization.

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