Registration No: | | | | | | | | | | |

Total Number of Pages: 01 **M.TECH**

P2CTCC07

2nd Semester Regular Examination 2016-17
Data Ware Housing & Data Mining.
BRANCH: COMPUTER ENGG, COMPUTER SCIENCE, COMPUTER SCIENCE AND ENGG, COMPUTER SCIENCE AND TECH.

Time: 3 Hours

Max Marks: 100

Q.CODE: Z807

Answer Question No.1 which is compulsory and any FOUR from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: ***Short answer type*** **(2 x 10)**

- **a)** What is the difference between OLAP and OLTP.?
- **b)** What are the reasons for Data partitioning In a data ware house system?
- **c)** What is slice and Dice operation?
- **d)** What is the difference between Load Manager and Ware house Manager?
- **e)** Draw the diagram of Three tier Architecture of Data ware House.
- **f)** What is the difference between MOLAP and ROLAP?
- **g)** What are the benefits Meta Data Repository provides?
- **h)** What is the difference between clustering and Nearest –neighbour prediction?
- **i)** What is the benefit of using neural network in data mining process?
- **j)** When does a tree stop growing in data mining process?

Q2 **a)** Explain OLAP operations. **(10)**
b) Describe process flow in a Data ware house. **(10)**

Q3 **a)** Explain Meta data and Data Mart. **(10)**
b) Explain SMP architecture and its feature? **(10)**

Q4 **a)** Describe various types of data partitioning in data ware house. **(10)**
b) Explain the nine-step method to design of a data warehouse. **(10)**

Q5 **a)** Explain shared memory, shared disks, shared nothing architecture for parallel processing. **(10)**
b) Explain the decision. Tree application in Data mining process. **(10)**

Q6 **a)** Describe the Business score card, application score card and algorithmic score card in data mining process. **(10)**
b) Explain RISC architecture for multi processing. **(10)**

Q7 **a)** How a neural network model created and how does a neural network make a prediction. **(10)**
b) Explain kohonen network. **(10)**