**Registration No:**

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**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)**