

**MSc. DEGREE EXAMINATION – OCTOBER 2015**  
**THIRD SEMESTER**  
**Computer Science**  
**Paper V – DATA WAREHOUSING**

Time : 3 Hours

Max.Marks : 75

PART – A (5 X 3 = 15 Marks)

Answer any FIVE questions.

Each Question carries Three (3) marks.

Each Answer should not exceed One (1) page.

1. What are decision support systems?
2. Define the features of data warehousing?
3. Define metadata? What is the significance role of Metadata?
4. What are the distinguish characteristics of data warehouse architecture?
5. What is a fact and measure?
6. What is multidimensional modeling?
7. Define OLAP in the Data Warehouse?
8. Write about the features and functions of OLAP?

PART – B (4 X15 = 60 Marks)

Answer ALL questions.

Each Question carries Fifteen (15) marks.

Each Answer should not exceed Six (6) pages.

9. Explain in detail the architecture of Data Warehouse with an illustration?  
(OR)
10. Differentiate between operational and decision support systems?
11. Write a short note on data design, the architectural plan, and data storage specification and information delivery strategy?  
(OR)
12. Explain the types of metadata by its functional areas with an example?
13. Explain in detail about the star schema and snow flake schema along with advantages and disadvantages?  
(OR)
14. Give an overview on ETL? Discuss about the ETL process with suitable diagram?
15. Write about the following.
  - a) Web enabled data warehouse.
  - b) Web enabled information delivery.(OR)
16. Explain the various operations of OLAP with suitable examples and diagrams?

