

**TYBSCIT Semester – VI – DATA WAREHOUSE Question paper**  
**APRIL-2014**

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- 1. Answer any two of the following. 10**
- a. What is data warehouse? List and explain the characteristics of the data warehouse.
  - b. Explain the additive, semi-additive and non-additive measures with examples.
  - c. What are the various levels of data redundancy in the data warehouse?
  - d. Differentiate between operational system and informational system.
- 2. Answer any two of the following. 10**
- a. What is Listener? Write a procedure to create a listener.
  - b. Explain the procedure for defining source metadata manually with Data Object Editor.
  - c. Write a procedure to create a new project in OWB. What is the difference between a module and a project?
  - d. Draw and explain OWB architecture with suitable diagram.
- 3. Answer any two of the following. 10**
- a. Write a short note on cube and dimensions.
  - b. Explain the steps for importing the metadata for a flat file.
  - c. What is a module? Explain source module and target module.
  - d. List and explain the functionalities that can be performed by OWB in order to create a data warehouse.
- 4. Answer any two of the following. 10**
- a. What is the staging area? What are advantages and disadvantages of Staging?
  - b. List and explain the use of various windows available in mapping editor.
  - c. Explain the various OWB operators.
  - d. Write the steps for building staging area table using Data Object Editor.
- 5. Answer any two of the following. 10**
- a. Write the steps to add primary key for columns of a table in Data Object Editor with suitable example.
  - b. Write a short note on Control Center Manager.
  - c. Write the steps for validating and generating in Data Object Editor.
  - d. Write a short note on ETL transformation.

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6. Answer any two of the following.

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- a. Explain Multi-Dimensional Online Analytical Processing (MOLAP).
- b. Write a short note on
  - i. Metadata Snapshots
  - ii. The Import Metadata Wizard
- c. Explain multidimensional database architecture with suitable diagram.
- d. Explain OLAP Terminologies.

