

## **IBM COGNOS 10 BI DATA WAREHOUSE DEVELOPER COURSE CONTENT**

- ❖ **DATA MANAGER AND DATA WAREHOUSING (4%):**
  - a. Identify how Data Manager can be used
  - b. Distinguish between OLTP systems and data warehouses
- ❖ **CATALOGS AND DATA SOURCE CONNECTIONS (12%):**
  - a. Describe the process of creating a catalog
  - b. Identify how to use SQLTerm
  - c. Describe how to configure text files using SQLTXT Designer
  - d. Describe how to package catalog components
  - e. Describe how to navigate through catalog components
  - f. Describe how to export catalog metadata to Cognos 8
- ❖ **DIMENSIONS AND BASIC HIERARCHIES (7%):**
  - a. Determine appropriate situations for using a hierarchy
  - b. Describe the use of the Reference Explorer tool
  - c. Describe the use of the Date Hierarchy wizard
- ❖ **BASIC DIMENSION BUILDS AND FACT BUILDS (12%):**
  - a. Describe the types of builds
  - b. Describe the use of the Dimension Build wizard
  - c. Describe the process of creating a fact build
  - d. Describe the modification of build settings
- ❖ **DERIVATIONS AND DERIVED DIMENSIONS (6%):**
  - a. Identify the benefits of creating a derivation
  - b. Determine the appropriate location to create a derivation
  - c. Identify when it would be useful to create a derived dimension
- ❖ **CONFORMED DIMENSIONS (10%):**
  - a. Describe the advantages of conformed dimensions
  - b. Describe surrogate keys
  - c. Describe how to deliver conformed dimensions
  - d. Describe how to check data integrity
- ❖ **HIERARCHIES AND LOOKUPS (8%):**
  - a. Describe ways to modify hierarchies and lookups
  - b. Describe how to manipulate data using hierarchies and lookups
- ❖ **DIMENSIONAL HISTORY AND LATE ARRIVING DATA (10%):**
  - a. Describe the use of slowly changing dimensions (SCDs)
  - b. Describe the handling of late arriving fact and dimension data
- ❖ **DATA DELIVERY AND DATA PROCESSING (22%):**
  - a. Describe delivering fact and dimension data
  - b. Describe how to merge and aggregate fact data
  - c. Describe how to restrict fact data delivery
  - d. Describe how to implement job control
  - e. Describe how to pivot fact data

- ❖ **USER-DEFINED FUNCTIONS (UDFS) AND VARIABLES (5%):**
  - a. Describe how to create UDFs
  - b. Describe the use of variables
  
- ❖ **TROUBLESHOOTING AND TUNING (4%):**
  - a. Describe options to address memory and performance issues
  - b. Describe how to interpret the log files

