SAS Data Integration Development for SAS 9 Exam

Overview (5% – 6%)

- Define the architecture of the platform for SAS Business Analytics.
- Describe the available SAS Data Integration Studio interface
- Define the change management feature of SAS Data Integration Studio.

Creating Metadata for Source and Target Data (19% – 20%)

- Define administrative tasks to be performed for SAS Data Integration Studio.
- Describe the New Library Wizard.
- Use Register Tables wizard to register source data.
    - Use Register Tables wizard to register metadata for a Microsoft Access database table using ODBC.
- Use Register Tables wizard to register metadata for a Microsoft Access database table using ODBC.
- Register metadata for a comma-delimited external file.
- Import and Export Metadata.
    - Discuss SAS packages.
    - Discuss importing and exporting of relational metadata.

Creating Metadata for Target Data and Jobs (17 – 18%)

- Describe features of the New Table wizard.
- Discuss components of Join's Designer window including:
    - Navigate pane
    - SQL clauses pane
    - Tables pane
    - Properties pane
- Investigate mapping and propagation.
- Work with performance statistics.
    - Enable/disable performance statistics.
    - Be able to view performance statistics.
- Generate reports on metadata for tables and jobs.
- Define Impact and Reverse Impact Analysis.

Working with Transformations (21% – 22%)

- Discuss and use the Extract and Summary Statistics transformation.
- Discuss and use the Loop transformations.
    - Iterate a job.
    - Iterate a transformation.

- Investigate where status handling is available.
- Explain the functionality of the Data Validation transformation.
    - Identify and configure the three types of validations.
    - Configure an error table and an exception table for data validation.
- Discuss and use the Rank, Transpose, Append, List and Sort transformations.
- Discuss and use transformations in the SQL grouping of transformations.

Working with Tables and the Table Loader Transformation (17 – 18%)

- Discuss reasons to use the Table Loader transformation.
- Discuss various load styles provided by the Table Loader transformation.
- Discuss various types of keys and how to define in SAS Data Integration Studio.
- Discuss indexes and how to define in SAS Data Integration Studio.
- Discuss Table Loader options for keys and indexes.
- Discuss the Bulk Table Loader transformation.
- Discuss and use the components of the Join's Designer Window related to in database processing.

Defining Generated Transformations (5% – 6%)

- Define SAS code transformation templates.
- Create a custom transformation

Deploying Jobs (5% – 6%)

- Discuss the types of job deployment available for SAS Data Integration Studio Jobs.
- Provide an overview of the scheduling process.

In Database Processing (7% – 8%)

- Define in- database processing
    - List benefits of in-database processing
- Enable in-database processing.
- Define and discuss ELT methods
- Use a DBMS function in a SAS DI job

Note: All eight sections will be tested on every exam. The expanded objectives are provided for additional explanation and define the entire domain that could be tested.