



**D-003-1036002**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. VI) (W.E.F. 2016) Examination**

**July - 2022**

**CS - 32 : Data Warehousing Using  
SQL Server 2012**

**Faculty Code : 003  
Subject Code : 1036002**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

1 Answer the following questions :

- (a) Attempt the following : 4
- (1) Data Warehouse contains data for \_\_\_\_\_ purpose.
  - (2) Which DSS is offers suggestions and solutions?
  - (3) What is a component of Data Warehousing?
  - (4) Which system is used to access and manipulate data in day to day operation?
- (b) Attempt any **one** out of two from the following : 2
- (1) List out various characteristics of data warehouse.
  - (2) What is Data Warehouse ?
- (c) Attempt any **one** out of two from the following : 3
- (1) Write a note on DSS.
  - (2) Differentiate : Operational System v/s Informational System.
- (d) Attempt any **one** out of two from the following : 5
- (1) Explain - Future trends in data warehousing.
  - (2) Explain Data Warehousing architecture in detail.

- 2** Attempt the following questions :
- (a) Attempt the following : **4**
- (1) What is Schema?
  - (2) Data mart has \_\_\_\_\_ type of data.
  - (3) In \_\_\_\_\_ schema some dimension tables are normalized, thereby further splitting the data into additional tables.
  - (4) Which type of relationship is managed by star schema?
- (b) Attempt any **one** out of two from the following : **2**
- (1) What is data mart ? List out its types.
  - (2) Differentiate : Star Schema v/s Snowflake Schema.
- (c) Attempt any **one** out of two from the following : **3**
- (1) Differentiate : Dimension table v/s Fact table.
  - (2) Differentiate : Data warehouse v/s Data mart.
- (d) Attempt any **one** out of two from the following : **5**
- (1) Write a note on physical design of data warehouse.
  - (2) Differentiate : OLTP v/s OLAP.
- 3** Attempt the following questions :
- (a) Attempt the following : **4**
- (1) SSIS stands for \_\_\_\_\_.
  - (2) SSIS has \_\_\_\_\_ elements.
  - (3) What is task?
  - (4) Data flow defines a flow of data from source to destination. (True / False)
- (b) Attempt any one out of two from the following : **2**
- (1) Explain various SSIS elements.
  - (2) What is ETL ? Explain.
- (c) Attempt any one out of two from the following : **3**
- (1) What is Connection Manager ?
  - (2) Explain various SSIS containers.
- (d) Attempt any one out of two from the following : **5**
- (1) Explain SSIS control flow tasks.
  - (2) Write down various steps to implementation of Data flow.

- 4 Attempt the following questions :
- (a) Attempt the following : 4
- (1) Which process is used to identify incomplete or incorrect data from the sources ?
  - (2) DQS Stands for\_\_\_\_\_.
  - (3) What is computer assisted cleansing ?
  - (4) List out the aspects of the Data Quality Process.
- (b) Attempt any one out of two from the following : 2
- (1) What is Script task ?
  - (2) What is Script Components ?
- (c) Attempt any one out of two from the following : 3
- (1) Write a note on various cleansing methods in DQS.
  - (2) What is Data Quality Process ?
- (d) Attempt any one out of two from the following : 5
- (1) Write a note on custom components ?
  - (2) What is DQS using matching ?
- 5 Attempt the following questions :
- (a) Attempt the following : 4
- (1) SSRS Stand for \_\_\_\_\_.
  - (2) BI Stands for \_\_\_\_\_.
  - (3) \_\_\_\_\_ are the root of Hierarchy.
  - (4) How many containers are available in control flow ?
- (b) Attempt any one out of two from the following : 2
- (1) What is SSDT ?
  - (2) Write a note on Reporting Service.
- (c) Attempt any one out of two from the following : 3
- (1) What is Data Mining ?
  - (2) Write a note on Data Analysis.
- (d) Attempt any one out of two from the following : 5
- (1) Explain SSIS Architecture in detail.
  - (2) What is Business Intelligence ? Explain