



003-1036002

Seat No.

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2016) Examination

BCA (2016) Semester-6 March-2024

CS-32 DATA WAREHOUSING WITH SQL 2012

Faculty Code : 003

Subject Code : 003-1036002

Time : 2.5Hours]

[Total Marks : 70

- 1 (a) Attempt the following : 4
- 1 DSS stands for _____
 - 2 EDW stands for _____
 - 3 ODS stands for _____
 - 4 OLAP stands for _____
- (b) Attempt any one : 2
- 1 Explain future trends in Data Warehouse
 - 2 Explain any two characteristics of Data Warehouse
- (c) Attempt any one : 3
- 1 Why Data Warehousing is necessary today?
 - 2 Explain any three components of Data Warehouse architecture.
- (d) Attempt any one : 5
- 1 Explain three tier architecture of Data warehouse.
 - 2 Explain Data Flow architecture.
- 2 (a) Attempt the following : 4
- 1 Name any four types of Dimension.
 - 2 What is Fact table?
 - 3 _____ data can be stored in fact table.
 - 4 One Fact table is surrounded by _____ tables in star schema.
- (b) Attempt any one : 2
- 1 Draw Logical data model with example.
 - 2 Write Steps to design fact table.

- (c) Attempt any one : 3
- 1 Write difference between Logical Data model and Physical Data model.
 - 2 Write difference between Fact table and Dimension table.
- (d) Attempt any one : 5
- 1 Explain Logical Data Model with example.
 - 2 Explain Physical Data Model with example .
- 3 (a) Attempt the following : 4
- 1 DTS stands for _____
 - 2 SSIS stands for _____
 - 3 What is Control Flow?
 - 4 ETL stands for _____
- (b) Attempt any one : 2
- 1 Explain any one Data Source in data flow.
 - 2 Explain ETL process.
- (c) Attempt any one : 3
- 1 Explain any one destination in data flow.
 - 2 Explain any one container of SSIS control flow.
- (d) Attempt any one : 5
- 1 Explain any one Control Flow task with example.
 - 2 Explain any one transformation of Data Flow with example.
- 4 (a) Attempt the following : 4
- 1 What is Data Cleansing?
 - 2 Write three Script component types of SSIS.
 - 3 What is Data Matching?
 - 4 DQS stands for _____.
- (b) Attempt any one : 2
- 1 Explain Knowledge Base.
 - 2 Explain the need of Data matching.
- (c) Attempt any one : 3
- 1 Write Steps to create Knowledge Base in DQS.
 - 2 Explain SSIS script component as transformation.

- (d) Attempt any one : 5
- 1 Explain steps to match data in DQS.
 - 2 Explain steps to cleanse data in DQS.
- 5 (a) Attempt the following : 4
- 1 BIDS stands for _____
 - 2 SSDT stands for _____
 - 3 SSRS stands for _____
 - 4 SSAS stands for _____
- (b) Attempt any one : 2
- 1 Explain SSRS.
 - 2 Explain SSAS.
- (c) Attempt any one : 3
- 1 Write steps to create SSIS catalog.
 - 2 Write steps to generate SSRS Report.
- (d) Attempt any one : 5
- 1 Write steps to deploy SSIS package using BIDS.
 - 2 Write steps to deploy SSIS package in SQL server.