BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) Examination

April-2023

CS-32 DATA WAREHOUSING WITH SQL SERVER 2012

Faculty Code :

Subject Code : 003-2036002

Time : 2.5Hours]　　　　　　　　　　　　　　　　　[Total Marks : 70

1 (a) Attempt the following :　　　　　　　　　　　　　　　4
    1   OLTP stands for_____
    2   OLAP stands for_____
    3   EDW stands for_____
    4   DSS stands for_____

(b) Attempt any one :　　　　　　　　　　　　　　　　　2
    1   Explain Data Warehousing
    2   Explain one characteristic of Data Warehousing

(c) Attempt any one :　　　　　　　　　　　　　　　　　3
    1   Explain any two components Data Warehouse
    2   Explain advantage of Data Warehousing

(d) Attempt any one :　　　　　　　　　　　　　　　　　5
    1   Explain Data Flow Architecture
    2   Explain Data Warehouse System Architecture

2 (a) Attempt the following :　　　　　　　　　　　　　　4
    1   What is Dimension table?
    2   _____ data can be stored in Dimension table.
    3   What is Fact table?
    4   One Fact table is surrounded by____tables in star schema.

(b) Attempt any one :　　　　　　　　　　　　　　　　　2
    1   Write Steps to design Dimension table
    2   Draw Logical data model with example

1

(c) Attempt any one :
1   Differentiate: Fact table V/S Dimension table
2   Differentiate: Logical data model V/S Physical data model

5

(d) Attempt any one :
1   Explain Physical Data Model with example
2   Explain Logical Data Model with example

4

3   (a) Attempt the following :
1   ETL stands for____
2   SSIS stands for____
3   SSMS stands for____
4   DTS stands for___

2

(b) Attempt any one :
i   Explain ETL process.
2   Explain any one data source in SSIS Data Flow

3

(c) Attempt any one :
1   Explain any one type of Container of SSIS Data Flow
2   Explain any one destination in SSIS Data Flow

5

(d)Attempt any one :
1   Explain any transformation Data Flow task.
2   Explain any Control Flow task.

4   (a) Attempt the following :
1   DQS stands for___
2   What is Data Cleansing?
3   What is Data Matching?
4   What are three script component types of SSIS?

4

(b) Attempt any one :
1   Draw Data Matching Process diagram
2   Draw Data Cleaning Process diagram

2

(c) Attempt any one :
1   Explain SSIS script component as Source
2   Write Steps to Create Knowledge Base in DQS

3

(d) Attempt any one :   5

1   Explain how to cleanse data in DQS with example

2   Explain the need of Data Matching

5   (a) Attempt the following :   4

1   BIDS stands for_____

2   SSAS stands for____

3   SSRS stands for_____

4   SSDT stands for____

(b) Attempt any one :   2

1   Explain SSAS in brief

2   Explain SSRS in brief

(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   Explain Steps to deploy SSIS package in SQL server

2   Explain Steps to deploy SSIS package using BIDS