D-003-2036002   Seat No. _____

B. C. A. (Sem. VI) (W.E.F. 2019) Examination

July - 2022

CS - 32 : Data Warehousing Using SQL Server 2012

Faculty Code : 003

Subject Code : 2036002

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)   What is DSS? Explain.

(2)   Differentiate : Structured data v/s unstructured data.

(c)   Attempt any **one** out of two from the following :   3

(1)   Write a note on characteristics of Data Warehouse.

(2)   Differentiate : Operational System v/s Informational System.

(d)   Attempt any **one** out of two from the following :   5

(1)   Write a note on Data Warehousing Today.

(2)   Explain - Future trends in data warehousing.

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)   Differentiate : Dimension table v/s Fact table.

(2)   Differentiate : Star Schema v/s Snowflake Schema.

(c)   Attempt any **one** out of two from the following :   3

(1)   Write a note on physical design of data warehouse.

(2)   Differentiate : Data Warehouse v/s Data mart.

(d)   Attempt any **one** out of two from the following :   5

(1)   Write a note on Data Mart.

(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 control flow tasks.

(2)   What is Connection Manager ?

(c)   Attempt any **one** out of two from the following :   3

(1)   What is ETL ? Explain in detail.

(2)   Explain various SSIS containers.

(d) Attempt any **one** out of two from the following : 5

(1) Explain SSIS element in detail.

(2) Write down various steps to implementation of Data flow.

4 Attempt the following questions : 4

(a) Attempt the following :

(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? Explain.

(d) Attempt any **one** out of two from the following : 5

(1) How to use custom components? Explain.

(2) What is DQS using matching?

5 Attempt the following questions : 4

(a) Attempt the following :

(1) SSRS stands for _____.

(2) BI stands for _____.

(3) _____ are the root of Herarchy.

(4) How many containers are available in control flow?

(b) Attempt any **one** out of two from the following :　2

    (1) What is Business Intelligence?

    (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 SSDT? Explain in detail.

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