

B.C.A Semester - 6 (CBCS) Examination**March/April-2026 (NEW COURSE)****Data Warehousing with SQL Server 2012 (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1 (A) Attempt the following. (03)
- 1) EDW stands for _____
 - 2) DSS stands for _____
 - 3) Define: Data mining.
- Que. 1 (B) Attempt the following (Any two) (06)
- 1) What is Data warehouse? Discuss its characteristics.
 - 2) Differentiate OLAP v/s OLTP.
 - 3) What is the role of Data warehousing in Business Intelligence?
 - 4) Explain Customer Relationship Management.
- Que. 1 (C) Attempt the following (Any one) (05)
- 1) Explain Data flow architecture of data warehouse.
 - 2) Explain future trends of Data warehousing.
- Que. 2 (A) Attempt the following. (03)
- 1) What is Schema?
 - 2) _____ is a virtual table that's defined by a query that runs against a database tables.
 - 3) What are Integrity constraints in data warehouse?
- Que. 2 (B) Attempt the following (Any two) (06)
- 1) What is Tablespace? How does it work?
 - 2) Discuss Tables and Partitioned tables.
 - 3) What is Dimension table? Explain with example.
 - 4) Explain Snowflake schema.
- Que. 2 (C) Attempt the following (Any one) (05)
- 1) Explain Star schema in detail.
 - 2) Explain Fact table in detail.
- Que. 3 (A) Attempt the following. (03)
- 1) ETL stands for _____
 - 2) SSDT stands for _____
 - 3) SMO stands for _____

- Que. 3 (B) Attempt the following (Any two) (06)
- 1) Explain Control flow in SSIS.
 - 2) Explain SSIS tasks.
 - 3) Explain Sequence container in SSIS.
 - 4) Explain Flat file.
- Que. 3 (C) Attempt the following (Any one) (05)
- 1) Explain ETL process in detail.
 - 2) Explain Foreach loop container in detail.
- Que. 4 (A) Attempt the following. (03)
- 1) DQS stands for _____
 - 2) SSIS stands for _____
 - 3) DQKB stands for _____
- Que. 4 (B) Attempt the following (Any two) (06)
- 1) What is Data quality? Explain importance of it.
 - 2) Discuss features of DQS.
 - 3) Explain DQS matching process.
 - 4) Write steps to install DQS and create a knowledge base.
- Que. 4 (C) Attempt the following (Any one) (05)
- 1) Explain Scripts in SSIS.
 - 2) Explain Data cleansing in DQS.
- Que. 5 (A) Attempt the following. (03)
- 1) DTS stands for _____
 - 2) SSMS stands for _____
 - 3) SSRS stands for _____
- Que. 5 (B) Attempt the following (Any two) (06)
- 1) What is SSIS? Write uses of SSIS.
 - 2) Differentiate Control flow v/s Data flow.
 - 3) Discuss SSAS.
 - 4) Explain Cube with example.
- Que. 5 (C) Attempt the following (Any one) (05)
- 1) Explain deployment models in SSIS.
 - 2) Explain SSRS.
