

B.C.A Semester - 6 (CBCS) Examination**March/April-2024 (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) | Give Answers of following Questions. | (03) |
| | <ol style="list-style-type: none">1. Write Full form of CRM.2. Write Full form of NDS.3. Write Full form ODS. | |
| Que-1(B) | Attempt the following. (Any two) | (06) |
| | <ol style="list-style-type: none">1. Explain Data flow architecture.2. Explain Data Mining.3. Explain advantages of data warehouse.4. Explain system architecture in data warehouse. | |
| Que-1(C) | Attempt the following. (Any one) | (05) |
| | <ol style="list-style-type: none">1. What is data warehouse? Explain its characteristics.2. Give difference: OLAP vs OLTP. | |
| Que-2(A) | Give Answers of following Questions. | (03) |
| | <ol style="list-style-type: none">1. What is role playing dimension?2. What is Integrity Constraints?3. Where fact table is located in database? | |
| Que-2(B) | Attempt the following. (Any two) | (06) |
| | <ol style="list-style-type: none">1. Explain Fact tables and its types.2. Explain snowflake schema with example.3. What is star schema? Explain it.4. Explain Data Compression. | |
| Que-2(C) | Attempt the following. (Any One) | (05) |
| | <ol style="list-style-type: none">1. What is dimension table? Explain its type.2. Explain Logical design for Data warehouse. | |
| Que-3(A) | Give Answers of following Questions. | (03) |
| | <ol style="list-style-type: none">1. What is SQL Server Data Tools?2. What is SSIS task?3. What is Sequence Container? | |
| Que-3(B) | Attempt the following. (Any two) | (06) |
| | <ol style="list-style-type: none">1. Explain for each loop container.2. Write basic steps for creating package.3. What is data flow and control flow in SSIS?4. Explain common sources and destination for the data flow. | |
| Que-3(C) | Attempt the following. (Any One) | (05) |
| | <ol style="list-style-type: none">1. Write a note on ETL process.2. Explain Transformations. | |
| Que-4(A) | Give Answers of following Questions. | (03) |
| | <ol style="list-style-type: none">1. What is data profiling?2. What is DQM?3. What is match data? | |

- Que-4(B) Attempt the following. (Any two) (06)
1. Explain data quality process with diagram.
 2. Explain Data Quality Service to match data.
 3. Explain custom components in SSIS.
 4. Explain features of DQS.
- Que-4(C) Attempt the following. (Any one) (05)
1. Explain Data Quality Service to cleanse data.
 2. Difference between script task v/s component tasks.
- Que-5(A) Give Answers of following Questions. (03)
1. What is SSRS?
 2. What is SSAS?
 3. What is SSIS?
- Que-5(B) Attempt the following. (Any two) (06)
1. Explain Planning SSIS Package Execution.
 2. What is Business Intelligence? Explain it.
 3. Explain Deploying of SSIS Projects.
 4. Explain Data analysis in SQL server.
- Que-5(C) Attempt the following. (Any one) (05)
1. Explain Basic Reports in SQL Reporting Services.
 2. Write steps to create report using wizard.
