



DCJ-003-1046002

Seat No. _____

B. Sc. (I.T.) (Sem. VI) (CBCS) (W.E.F. 2016) Examination

July - 2022

CS-32 : Data Warehousing with SQL Server 2012

(B. Sc. IT 2016)

(Old Course)

Faculty Code : 003

Subject Code : 1046002

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Answer the following : 4
- (1) DW stands for _____
 - (2) DDS stands for _____
 - (3) NDS stands for _____
 - (4) OLTP stands for _____
- (b) Answer any one in brief : 2
- (1) What is data warehouse?
 - (2) What is the need of data warehouse?
- (c) Answer any one question : 3
- (1) Explain data flow architecture in brief.
 - (2) Explain types of data warehouse.
- (d) Answer any one question in detail : 5
- (1) Explain data warehouse architecture.
 - (2) What are the applications of data warehousing?

- 2 (a) Answer the following : 4
- (1) _____ design deals with the effective way of storing and retrieving the data.
 - (2) A fact table is used in the _____ data warehouse design.
 - (3) A _____ stores attributes, or dimensions, that describe the objects in a fact table.
 - (4) A _____ is an organized view of database concepts and their relationships.
- (b) Answer any one in brief : 2
- (1) What is star schema?
 - (2) Write down any two advantages of Data Model.
- (c) Answer any one question : 3
- (1) Write down the difference between fact table & dimension table.
 - (2) Explain types of data model?
- (d) Answer any one question in detail : 5
- (1) Explain different types of dimensions in detail.
 - (2) Write a short note on physical data structure of data warehouse.
- 3 (a) Answer the following : 4
- (1) SSIS stands for _____
 - (2) _____ task is used to move the data from source to destination.
 - (3) _____ is collection of control flow and data flow.
 - (4) _____ is a brain of SSIS package that help to arrange the order of execution for all its components.
- (b) Answer any one in brief : 2
- (1) What is ETL?
 - (2) What is package?

- (c) Answer any one question : 3
- (1) Write a short note on SSIS.
 - (2) Write a short note on Data Flow.
- (d) Answer any one question in detail : 5
- (1) Write a note on Control Flow.
 - (2) What is container? Explain different types of container in detail.
- 4 (a) Answer the following : 4
- (1) DQS stands for _____
 - (2) _____ is used to generate log messages as well as many other logics related to packages.
 - (3) SSIS script task support _____ and _____ language.
 - (4) _____ is the main advantage of SSIS custom components.
- (b) Answer any one in brief : 2
- (1) What is data cleansing ?
 - (2) What is data quality ?
- (c) Answer any one question : 3
- (1) What are the advantages of DQS matching process?
 - (2) Explain data quality management cycle.
- (d) Answer any one question in detail : 5
- (1) Explain data matching policy in detail.
 - (2) Explain data cleansing process with its type.
- 5 (a) Answer the following : 4
- (1) SSDT stands for _____
 - (2) SSMS stands for _____
 - (3) SSRS stands for _____
 - (4) BI stands for _____

- (b) Answer any one in brief : **2**
- (1) What is project deployment model?
 - (2) What is SSDT?
- (d) Answer any one question : **3**
- (1) Explain types data analysis in brief.
 - (2) Write a short note on Configuration of SSIS package.
- (d) Answer any one question in detail : **5**
- (1) What is BI? Explain types of BI users.
 - (2) Explain Reporting in SSDT.
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