



003-2036002

Seat No. \_\_\_\_\_

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BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) BCA (2019) Semester - 6 Examination

BCA (2019) Semester-6 March-2024

CS-32 DATA WAREHOUSING WITH SQL SERVER 2012

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 List out principles of data warehouse.
  - 2 Give full form of HOLAP.
  - 3 List any two characteristics of data warehouse.
  - 4 Give full form of MDM.
- (B) Answer in brief (Any one out of two) 2
- 1 What is Data Mining?
  - 2 What is relational database?
- (C) Answer in detail (Any one out of two) 3
- 1 Explain Multidimensional database.
  - 2 Write a note on customer relationship management.
- (D) Write a note on (Any one out of two) 5
- 1 Explain three-tier data warehouse architecture.
  - 2 Explain components of data flow architecture.
- 2 (A) Answer the following: 4
- 1 What is unique identifier in data warehouse?
  - 2 What is primary key constraint?
  - 3 List out types of schemas.
  - 4 One fact table is surrounded by \_\_\_\_\_ tables in star schema.
- (B) Answer in brief (Any one out of two) 2
- 1 Write down steps to create dimension table.
  - 2 How to design fact table?
- (C) Answer in detail (Any out of two) 3

- 1 Differentiate : Logical Data Model v/s Physical Data Model
  - 2 Explain types of fact table with example.
- (D) Write a note on (Any one out of two) 5
- 1 List out components of logical data warehouse and explain any two in detail.
  - 2 Explain integrity constraint and indexes in physical data warehouse design.
- 3 (A) Answer the following: 4
- 1 List out types of loading.
  - 2 Give full form of SSIS.
  - 3 What is data flow?
  - 4 Give full form of DTS.
- (B) Answer in brief (Any one out of two) 2
- 1 Why we need ETL?
  - 2 Explain ADO.net as destination in SSIS.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain loop container in SSIS with example.
  - 2 Explain Extraction , Transformation and load.
- (D) Write a note on ( Any one out of two) 5
- 1 Explain for each container with example in SSIS.
  - 2 Explain control flow and its components.
- 4 (A) Answer the following: 4
- 1 What is data consistency?
  - 2 Data Quality solution provided by \_\_\_\_\_.
  - 3 Explain activity monitoring in DQS.
  - 4 Give full form of GDPR.
- (B) Answer in brief (Any one out of two) 2
- 1 Why data quality is important?
  - 2 Explain profiling in DQS.
- (C) Answer in detail (Any one out of two) 3
- 1 How we configure matching policy?
  - 2 Explain Data Cleansing Process.
- (D) Write a note on (Any one out of two) 5
- 1 List out domain rule conditions and explain any two with example.

- 2 Explain knowledge base concept in DQS.
- 5 (A) Answer the following: 4
- 1 What is operational data?
  - 2 Give full form of SSRS.
  - 3 What is container?
  - 4 Give full form of OLTP.
- (B) Answer In brief (Any one out of two) 2
- 1 Explain SSIS package.
  - 2 Explain scope of variable in SSIS.
- (C) Answer in detail (Any one out of two) 3
- 1 Give advantages of Business Intelligence.
  - 2 What is reporting?
- (D) Write a note on (Any one out of two) 5
- 1 Explain data analysis in detail.
  - 2 How to deploy SSIS package in SQL server.