



DL-003-003621

Seat No. _____

B. C. A. (Sem. IV) (CBCS) Examination

March-2022

Computer Application : CS-32

(Data Warehousing and Data Mining)

Faculty Code : 003

Subject Code : 003621

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

[Total Marks : 70

- Instructions :** (1) All questions carry equal marks.
(2) Answer any five questions.

- 1 (A) Explain OLTP and DSS systems in detail.
(B) What is Data Warehouse ? Explain Characteristics of Data Warehouse in detail.
- 2 (A) Write down Basic steps to develop data warehouse architecture.
(B) What is Data Marts ? Explain the Usage of Data Mart in detail.
- 3 (A) Explain Types of OLAP with advantages and disadvantages.
(B) Explain Transformation of Data in detail.
- 4 (A) Explain Comparison and contradiction of various ETL tools in detail.
(B) What is Data Mining ? Explain Data Mining Process in detail.

- 5 (A) What is Data mining model ? Explain evaluating a data mining model in detail.
(B) What is a Data mining technique ? Explain Model based summarization in detail.
- 6 (A) What is Decision Trees ? Explain Neural Networks in detail.
(B) What is Hypothesis testing ? Explain Correlation and regression in detail.
- 7 (A) Explain Genetic Algorithms in details.
(B) Explain Association Rules with suitable example.
- 8 (A) Explain Clustering in detail.
(B) What is K-Means ? Explain K-Means with suitable in detail.
- 9 (A) Explain Rules of WEKA to generated charts.
(B) Explain Data warehouse system architecture in detail.
- 10 (A) Write down difference between data warehouse and data Mart.
(B) Write down difference between OLTP and OLAP systems.
-