

Roll No. 223112340007
Hali

Exam Code : M-24

Subject Code—61418

B.Sc. EXAMINATION

(Main/Reappear)

(Batch 2019 Onwards)

(Fourth Semester)

COMPUTER APPLICATIONS

CCaL-405

Data Analysis

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) What is Data Warehouse ?
- (b) Discuss Business Intelligence Tools.
- (c) Define the role of decision tree in decision making.

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<https://t.me/BscNonmedical2023>

- (d) Differentiate neural network and ANN.
- (e) What is outlier ?
- (f) Define association rule mining ?
- (g) Explain web-content mining in brief.
- (h) Discuss Support Vector Machine. $8 \times 2 = 16$

Unit I

- 2. What is Data Mining ? Differentiate On-Line Transaction Processing (OLTP) and On-Line Analytical Processing, 16
- 3. Explain the architecture of Data Warehouse. Discuss Data Warehousing development approaches. 16

Unit II

- 4. (a) What is Regression ? Explain in detail.
(b) Discuss linear regression model. List the advantages of linear regression model. 16

5. Explain Neural Networks. Differentiate it with Artificial Neural Networks. 16

Unit III

6. Discuss the following : 16
- (a) Partitioning Clustering Method
 - (b) Hierarchical Clustering Method.
7. Explain the framework for Web Usage Mining. Discuss web content mining and web structure mining. 16

Unit IV

8. How can we use Naïve Base classifier for text classification ? 16
9. (a) Explain support vector machine model.
(b) Why businesses using Big Data for competitive advantages ? 16