

Roll No. ....

Exam Code : D-22

Subject Code—58468

**B.Sc. EXAMINATION**

(Main/Reappear) (Batch 2018 Onwards)

(Fifth Semester)

**COMPUTER SCIENCE**

**CCsL-504, Paper-II**

**Data Analytics**

*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) Discuss Business Intelligence Tools.
- (b) What is an Outlier ?
- (c) How does decision tree help in decision making ?

- (d) What is ANN ?
- (e) Definer Clustering.
- (f) What is a Feed Forward Neural Network ?
- (g) How is the Big data landscaped ?
- (h) Explain web mining. 8×2=16

### Unit I

- 2. Define the business intelligence model. Explain various tools used for Business Intelligence. 16
- 3. What is Data Mining ? Explain supervised and unsupervised data mining techniques. 16

### Unit II

- 4. Outline major steps for decision tree construction. How can we determine the root node for the decision tree ? 16
- 5. What is a regression model ? Differentiate Linear and Logistic Regression. 16

### **Unit III**

6. What is the goal of clustering ? Explain the K-means clustering algorithm with a suitable example. 16
7. Discuss Association Rules. How does the apriori algorithm help in creating association rules ? 16

### **Unit IV**

8. Explain the Naïve-Bayes classifier with a suitable example. What are the advantages and disadvantages of the Naïve-Bayes model ? 16
9. What is Big Data ? Discuss the business and technological implications of Big Data. 16

<https://t.me/BscNonmedical2023>