

Roll No.

Exam Code : M-21

Subject Code—52622

B. Sc. EXAMINATION

(Main) (Batch 2018)

(Fifth Semester)

COMPUTER SCIENCE

Paper II

CCsL-504

Data Analytics

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) Define Data in short.
- (b) Define Information in short.

- (c) Explain any *two* problems of Decision Tree.
- (d) What is Correlation ? Explain.
- (e) What do you mean by a cluster ?
- (f) Define Web Mining in short.
- (g) Describe Big Data in short.
- (h) Define Probability.

Unit I

- 2. Explain BI tools and BI applications in detail.
- 3. What is Data Warehouse ? Describe data warehouse architecture in detail with proper diagrams.

Unit II

- 4. What do you mean by a decision tree ? Explain it with its algorithm.
- 5. Explain artificial neural network architecture in detail with diagrams. Explain its various applications.

Unit III

- 6. What do you mean by K-Mean clustering algorithm ? Explain its all steps in detail.
- 7. What is the Apriori Algorithm ? Explain it with all its steps.

Unit IV

- 8. Explain Naïve Base algorithm in detail.
- 9. Describe various applications of Big-data in detail. Also, explain the business implications.