18AA1009

M. Tech. EXAMINATION, 2020

(First Semester)

(C Scheme)

(Re-appear Only)

CSE

MTCSE541C

DATA SCIENCE

Time : 3 *Hours*]   [*Maximum Marks :* 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. Explain Data Science and Data Science process ? With suitable example explain data science process in detail. **15**

2. (a) Explain Data Science tool kit in detail. **10**

   (b) Explain primary data. **5**

Unit II

3. Explain different sources of data and how data is collected from these sources. **15**

4. Explain the concept of data storage and management in data science. **15**

Unit III

5. Explain naive bays algorithms with example. **15**

6. Explain Linear regression algorithm. **15**

Unit IV

7. Explain different types of data visualization. **15**

8. Write short notes on the following : **15**

(a) Data encoding

(b) Retinal variables

(c) Visual encoding.