

CDOE
MASTER OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)
M.C.A. Sem - V : WINTER :- 2021
SUBJECT: DATA SCIENCE

Day : Tuesday
Date 22-02-2022

W-21102-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 70

N.B.

- 1) Answer **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Answer to both the sections should be written in **SAME** answer book.
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SECTION – I

- Q.1** What is Data Science? Discuss how it is different from Data Mining. **(10)**
- Q.2** What is Association Discovery? Explain when to use this. **(10)**
- Q.3** What is Clustering? Explain how it is different from Classification. **(10)**
- Q.4** What is data discretization? How do you use it? **(10)**
- Q.5** Write short notes on **ANY TWO** of the following: **(10)**
- a) HIVE
 - b) Supervised Learning
 - c) Cross-validation
 - d) Decision Tree analysis

SECTION – II

- Q.6** Explain the K-NN algorithm with example. Also comment on the advantages and disadvantages of it. **(15)**
- Q.7** What is Linear Regression? With suitable example elaborate its use. **(15)**
- Q.8** What is Big-Data? List and describe core components of Big-Data. **(15)**
