

THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University) Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

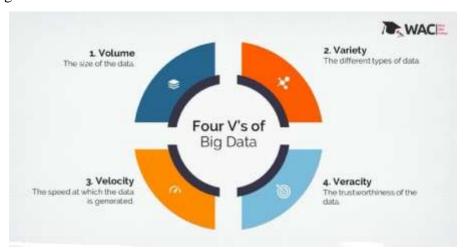
BCA 3635 INTRODUCTION TO R LANGUAGE Marks: 75

Time: 3Hrs.

Answer any FIVE of the questions

 $(5 \times 15 = 75)$

- 1. Explain "operators in R" with examples.
- 2. "Loop statements in R" explain with examples.
- 3. Discuss about Character and Mathematical Functions in R. Give examples.
- 4. Explain in detail about tapply(), apply() and vapply() functions in R with examples.
- 5. Write in detail about Bar chart, Box Plot and Pie Chart in R with example.
- 6. A) Define Big data. What are the chief characteristics of big data and explain 4V's in big data.



7. B) Discuss about Virtualization with its different types.
