

ADITYA DEGREE COLLEGES :: ANDHRA PRADESH



MID-I EXAMINATIONS - MAR 2025

DATE:

I B.Sc- II SEMESTER

TIME: 2 Hrs

DATA SCIENCE AND R PROGRAMMING (BCA DS MAJOR) MAX MKS: 60M

SECTION-A

I. Answer any FIVE of the following questions:

5 X 4 = 20 M

1. Explain History of R programming.
2. Explain about different types of data.
3. What is the difference between big data and Data science?
4. Explain about setting the Research goal.
5. Explain about what is presentation and automation.
6. Explain how to read data from file?
7. Explain how to create a Data frame and define Data frame.
8. What is Matrix and write a R program to create Matrix.

SECTION-B

II. Answer all the following questions:

4 X 10 = 40 M

9. a) Explain what is Data science process?
(OR)
b) Explain what are facets of data.
10. a) Define Data science and explain use's and applications of Data science.
(OR)
b) Explain about objects of R-programming?
(i) vector (ii) Matrices (iii) Lists (iv) Data frames.
11. a) Explain how to retrieve Data from various resources.
(OR)
b) Explain how to do Data Exploration.
12. a) What is Data preparation steps and explain with example program?
(OR)
b) What is Data modeling explain with example program?