RS-66078-A1

THREE YEAR B Sc (CBCS) DEGREE EXAMINATION, APRIL/MAY 2018 SIXTH SEMESTER

Computer Science

Paper VIII-A1 — FOUNDATIONS OF DATA SCIENCE

Time : Three hours

Maximum 75 marks

(No additional sheet will be supplied)

PART A — (5 × 5 = 25 marks)
Answer any FIVE questions.
Each questions carries 5 marks

- 1. What is the significance of data science?
- How do you manage data?
- 3. What is a modeling method?
- 4. What is a clustering model?
- Write uses of R language.
- Write a simple program using R language.
- 7. What is map reducing?
- 8. What is Hadoop?
- 9. How to produce effective presentations?
- 10. What is plot() function?

PART B - (5 × 10 = 50 marks)

Answer ALL questions.

Each questions carries 10 marks.

Explain roles, stages in data science project.

Or

- Write about cleaning and sampling for modeling and validation.
- 13. How do you map problems to machine learning?

Or

Explain validating models and their uses.

15 Write about ordered and unordered factors.

Or

- 16 Explain lists and data frames.
- 17 Explain distributed file system.

Or

- 18 Write about Map Reduce Architecture.
- Explain the importance of documentation and deployment.

Or

20. How do you display multivariate data?

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