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Question Paper Code: 52321

M.E. DEGREE EXAMINATION, MAY 2017

Second Semester

Computer Science and Engineering

15PCS201 - DATA SCIENCE AND BIG DATA ANALYTICS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain various data structures involved in big data. (20)

Or

(b) Describe the key skill sets and behavioral characteristics of a data scientist. (20)

2. (a) Explain the model planning with example. (20)

Or

(b) Explain the key roles for the successful analytical project. (20)

3. (a) Explain the basic analytic methods for statistical evaluation. (20)

Or

(b) Compute area under the curve using R programming. (20)

4. (a) Explain decision tree for traversing web pages. (20)

Or

(b) Illustrate text analysis with example. (20)

5. (a) Explain working of Hive with proper steps and diagram. (20)

Or

(b) Describe in detail Mahout. Which categories of use cases are supported by Mahout. (20)
