

II B. Tech I Semester Supplementary Examinations, May - 2019
STATISTICS WITH R PROGRAMMING

(Com to CSE & IT)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART -A

1. a) Explain about classes. (3M)
- b) Define binary search tree. (2M)
- c) What is vector cross product? (2M)
- d) Explain about the text() function. (3M)
- e) Discuss about covariance. (2M)
- f) Define decision tree. (2M)

PART -B

2. a) Explain about basic math and variables of R. (7M)
- b) Why use R for your statistical work? (7M)
3. a) Explain if-else statement with examples. (7M)
- b) Discuss about return values in R. (7M)
4. a) What are set operations? Give examples of each. (7M)
- b) Explain about readline(), print() and cat() functions with examples. (7M)
5. a) Discuss about changing the range of axes. (7M)
- b) Explain about magnifying a portion of curve. (7M)
6. a) Discuss about summery statistics. (7M)
- b) Explain in detail about binomial distribution. (7M)
7. Explain the following: (7+7M)
 - a) Logistic regression
 - b) Splines