Code No: R1621051

$\boxed{\textbf{R16}}$

$\left(\text{SET - 1}\right)$

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

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