R16

SET - 1

II B. Tech I Semester Supplementary Examinations, March - 2021
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) What is interactive mode?   (2M)

    b) Explain formals( ) method.   (2M)

    c) Distinguish between min( ) and pmin( ) functions.   (3M)

    d) Explain about the polygon( ) function.   (3M)

    e) Define binomial distribution.   (2M)

    f) What is spline?   (2M)

PART –B

2. a) Explain the concept of data frames with examples.   (7M)

    b) What are data types used in R? Explain.   (7M)

3. a) Describe loops in R programming.   (7M)

    b) What is a reference class? Explain with examples.   (7M)

4. a) Explain about finding stationary distributions of Markov Chains.   (7M)

    b) What is a fundamental mechanism used in various kinds of I/O operations? (7M)
        Explain.

5. a) Discuss about points( ) and legend( ) functions.   (7M)

    b) Explain about the xlim and ylim options.   (7M)

6.   Discuss in detail about correlation and covariance.   (14M)

7.   Explain the following: (7+7M)
        a) Simple linear regression
        b) Decision trees

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