

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018
(Ninth Semester)

Branch –SOFTWARE SYSTEMS
(Five year integrated)

R PROGRAMMING

Time: Three Hours

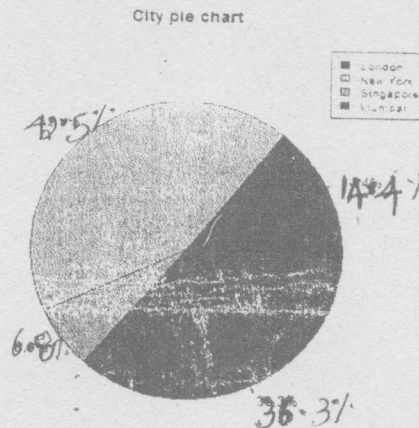
Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 1 a Comprehend on the functions and features of R.
OR
b How to select and modify subsets of data in R? Justify with example.
- 2 a Write short notes on T apply () Function with example.
OR
b Discuss about getting and setting attributes in R with example.
- 3 a Expand about Table () function in R with example.
OR
b Justify R as a set of statistical tables with example.
- 4 a Write an R program to draw the below Pie chart.



- OR
- b Explain about the Generic functions for extracting model information in R.
 - 5 a Write short notes on plot () function with example.
OR
b Explain about Graphics Parameter List in R.

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Write in detail about Logical, Character and Index Vectors with example.
- 7 Discuss in detail about Arrays and Matrices in R with example.
- 8 Explain in detail about attach () and detach () functions in data frames.