

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCom(CA) DEGREE EXAMINATION MAY 2024
(Third Semester)

Branch – COMMERCE WITH COMPUTER APPLICATIONS

DATA VISUALIZATION

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. _____ programming language is a dialect of S.
i) B ii) C iii) R iv) K
2. Which of the following R syntax is correct for while loop?
i) while (statement1) statement2
ii) while (statement1) else statement2
iii) while (statement1) do statement2
iv) while (statement2) doelse statement2
3. A data frame is a special type of list where every element of the list has _____ length.
i) Same ii) Different iii) May be different iv) May be same
4. Which level plotting commands generate figures?
i) Low ii) High iii) Both high and low iv) No levels
5. Which of the following declares the current plot undeclared?
i) New = H ii) New = T iii) New = J iv) New = L

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) Examine overview and history of R.
OR
b) Discuss about data types in R.
7. a) How do you importing data? Explain.
OR
b) Discuss about cbind and rbind functions.
8. a) Determine constructing and modifying lists.
OR
b) Evaluate making data frames.
9. a) Explain in details about scatter plots.
OR
b) Discuss about bar charts with example.
10. a) Evaluate high level plotting commands.
OR
b) Examine the plot() function with example.

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 x 10 = 30)

11. Enumerate character vector and index vector.
12. Determine conditional statements with example.
13. Enumerate the scan() function with example.
14. Explain in details about basic graphic functions with example.
15. Elucidate using graphics parameters.