22CCP315N

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCom(CA) DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch – **COMMERCE WITH COMPUTER APPLICATION**

DATA VISUALIZATION

Time: Three Hours Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of the following describes R language? a) Free b) Paid c) Available for free trial only d) Testing	K1	CO1
	2	Which is the basic data structure of R containing the same type of data? a) Functions b) Array c) Vector d) Lists	K2	CO1
2	3	Matrices can be created by row-binding with the help of the following function. a) rjoin() b) rbind() c) rowbind() d) rbinding()	K1	CO2
	4	Which of the following statement can read csv files? a) read.table(filename,header=TRUE,sep=',') b) read.csv(filename,header=TRUE,sep=',') c) read.tab(filename,header=TRUE,sep=',') d) read.tab(filename,header=False,sep=',')	K2	CO2
3	5	Tell the four most frequently used types of data objects in R are vectors, matrices, data frames and _____ a) Function b) Lists c) Packages d) Interfaces	K1	CO3
	6	Which function is used to enter in data at the terminal? a) Scanned b) Scnn c) Scan d) Sccn	K2	CO3
4	7	Which of the following will be used in fancy plots? a) New = T b) New = J c) New = K d) New = L	K1	CO4
	8	Which function draws an axis on the current plot? a) axis() b) par() c) mar() d) jar()	K2	CO4
5	9	_____ level plotting functions that add elements to an existing plot. a) High b) Low c) Medium d) Simple	K1	CO4
	10	ask=T is a parameter that R asks before producing the _____ a) function b) package c) interface d) graphics	K2	CO4

Cont...

SECTION - B (35 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the History of R.	K2	CO1
		(OR)		
	11.b.	Construct the Data types in R programming.	K3	
2	12.a.	Illustrate the rbind and cbind Functions.	K2	CO2
		(OR)		
	12.b.	Identify the While and For Loop Statements.	K3	
3	13.a.	Summarize the Construct and Modify the List.	K2	CO3
		(OR)		
	13.b.	Develop the Scan() Function in R Programming.	K3	
4	14.a.	Explain the Bar and Pie Chart with example.	K2	CO4
		(OR)		
	14.b.	Construct the Common Arguments to chart function.	K3	
5	15.a.	Illustrate the Arguments to High Level Plotting functions.	K2	CO5
		(OR)		
	15.b.	Explain the Hershey Vector Fonts.	K3	

SECTION -C (30 Marks)

Answer **ANY THREE** questions

ALL questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Discuss the Arithmetic, Character, Logical and Index Vectors.	K4	CO1
2	17	Explain the Control Structures with an example in R Programming.	K5	CO2
3	18	Discuss the List and Data Frames Operations.	K4	CO3
4	19	Explain the Basic Graphic Functions with example.	K4	CO4
5	20	Estimate the High and Low Level Plotting Commands.	K5	CO5

Z-Z-Z END