SAVEETHA SCHOOL OF ENGINEERING

EXERCISE PROBLEM

COURSE CODE: ITA0448 – STATISTICS WITH R PROGRAMMING FOR

VECTORIZED EXPRESSIONS

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1. Consider two vectors, x, y x=c(4,6,5,7,10,9,4,15) y=c(0,10,1,8,2,3,4,1) What is the value

of: x\*y

A) x <- c(4,6,5,7,10,9,4,15)

y <- c(0,10,1,8,2,3,4,1)

x\*y

2 Consider two vectors, a, b

a=c (1,2,4,5,6) b=c(3,2,4,1,9) What is the value of: cbind(a,b)

A ) a <- c (1,2,4,5,6)

b <- c(3,2,4,1,9)

cbind(a,b)

2. Vector v is c(1,2,3,4) and list x is list(5:8), what is the output of v\*x[1]?

A) v <- c(1,2,3,4)

li <- list(5:8)

v\*x[1]

3. Vector v is c(1,2,3,4) and list x is list(5:8), what is the output of v\*x[[1]]

A ) v <- c(1,2,3,4)

li <- list(5:8)

v\*x[[1]]

4. X is the vector c(5,9.2,3,8.51,NA), What is the output of mean(x)?

A) x <- c(5,9.2,3,8.51,NA)

mean(x)

5. Give a function in R that replaces all missing values of a vector x with the sum of elements

of that vector?

function(x){x[is.na(x)] <- sum(x,na.rm = TRUE);x}