

IT24102483

H P S M Premathilake

Lab sheet 05 Exercise

```
1 setwd("C:\\Users\\user\\Desktop\\IT24102483")
2 getwd()
3
4 #Question 01
5 #i)
6 #Binomial Theorum
7 #ii)
8 #Here, random variabl X has binomial distribution with n=50 and p=0.85
9 1-pbinom(46,50,0.85, lower.tail = TRUE)
10
11 #Question 02
12 #i)
13 #X=number of calls in one hour
14 #ii)
15 #Poisson Distribution
16 #iii)
17 #Here, random variable X has poisson distribution with lambda=12
18 dpois(15,12)
19
20
```

```
Console Terminal Background Jobs
R - R 4.5.1 - C:/Users/Dilitha/Desktop/IT24200320/
> #Question 01
> #i)
> #Binomial Theorum
> #ii)
> #Here, random variabl X has binomial distribution with n=50 and p=0.85
> 1-pbinom(46,50,0.85, lower.tail = TRUE)
[1] 0.04604658
> #Question 02
> #i)
> #X=number of calls in one hour
> #ii)
> #Poisson Distribution
> #iii)
> #Here, random variable X has poisson distribution with lambda=12
> dpois(15,12)
[1] 0.07239112
>
>
>
>
```

