Sri Lanka Institute of Information Technology

Lab Submission
Lab sheet No 06

IT24104192

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Probability and Statistics| IT2120

B.Sc. (Hons) in Information Technology

Exercise

Question 1

1. Binomial Distribution with n=50 , p=0.85
2. 0.0318

```
> setwd("F:\\SLIIT\\Y2S1\\Probability and Statistics\\Labs\\IT24104192_lab6")
> dbinom(47,50,0.85)
[1] 0.03185806
>
```

Question 2

1. Number of calls that center receives within a given hour
2. Poisson Distribution with lambda = 12
3. 0.0723

```
[1]
> dpois(15,12)
[1] 0.07239112
>
```