Probability and Statistics - IT2120 | Lab Sheet 06

Name: Ayodhya M.A.H.A

IT Number: IT24102395

```
IT24102395_Lab_06.R ×
                                                   1 #Q1
  2 #i) Binomial Distribution
  3 #ii) P(X>=47) = 1-P(X<47) = 1-P(X<=46)
     1 - pbinom(46, 50, 0.85, lower.tail = TRUE)
  4
     #Q2
  6
  7
     #i) Let X - Number of calls received in an hour
  8 #ii) Poisson Distribution
  9 #iii) P(X=15)
 10 dpois(15, 12)
     (Top Level) $
                                                 R Script $
10:14
Console Terminal ×
                Background Jobs ×
R 4.5.1 · ~/ ≈
> #01
> #i) Binomial Distribution
> #ii) P(X>=47) = 1-P(X<47) = 1-P(X<=46)
> 1 - pbinom(46, 50, 0.85, lower.tail = TRUE)
[1] 0.04604658
> #Q2
> #i) Let X - Number of calls received in an hour
> #ii) Poisson Distribution
> #iii) P(X=15)
> dpois(15, 12)
[1] 0.07239112
> |
```