

PS Lab Sheet 06 – IT24101628

```
#Q1
#i)
# X= number of students who passed the test out of 50 studets
# n=50, p=0.85
#this is a binomial distribution

#ii)
pbinom(46,50,0.85,lower.tail=FALSE)

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pbinom(46,50,0.85,lower.tail=FALSE)
1] 0.04604658
|
```

```
#Q2
#i)
#Number of customer calls received in an hour

#ii)
#poisson distributiom with  $\lambda=12$ 

#iii)|
dpois(15,12)

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