If the model is Yi ~ Poisson(μ i) and log(μ i) = β 0 + β 1xi, then we have:

$$log(\mu i) = \beta 0 + \beta 1xi$$

$$\mu i = \exp(\beta 0 + \beta 1xi)$$

$$\mu i = \exp(1 + 0.5 \times 5) = \exp(3.5)$$

So, the maximum likelihood estimate of μ i is exp(3.5) = 33.11