

Part D

The proportion of accepted points is 1 when $a=1$. This can also be seen in the histogram plot. The true truncated exponential distribution function lies over the histogram, suggesting that it has accepted all points. The theoretical proportion of accepted points is 0.632 (the efficiency). However, when this theoretical proportion is computed, it is being computed for all values of a . Here, we are only considering $a=1$ and this value of a along with the optimal value of C results in the proposal function $*C =$ truncated exponential function. Hence, the proportion of 1.