

Quiz 5

Name:

Student ID:

1. **Capacity.** Find the capacity of ternary channel

$$p(y|x) = \begin{bmatrix} 1/2 & 1/6 & 1/3 \\ 1/6 & 1/3 & 1/2 \\ 1/3 & 1/2 & 1/6 \end{bmatrix}$$