Concept Question 12-3: Is the uniqueness property of the Laplace transform unidirectional or bidirectional? Why is that significant?

A given f(t) has a unique $\mathbf{F}(\mathbf{s})$, and vice versa.

The uniqueness property is bidirectional. This is important because it guarantees that when a solution is found in the \mathbf{s} domain, it can be transferred to the time domain and we are assured that it is the only correct solution.