In this talk, we introduce a slant curve in a contact Lorentzian 3-manifold. Thus, we prove that the ratio of $\kappa$ and $\tau - 1$ is constant along a Frenet slant curve in a Sasakian Lorentzian 3-manifold. Moreover, if $\gamma$ is a contact magnetic curve in Sasakian Lorentzian 3-manifolds $M$ then $\gamma$ is a slant curve. For example, we explicitly find contact magnetic curves in Lorentzian Heisenberg 3-space.