1145-46-1323   **Mujahid Abbas*** (`abbas.mujahid@gmail.com`), Department of Mathematics, Government College University, Lahore, Punjab 54000, Pakistan. *Stability of fixed point of mappings in generalized cone metric spaces.*

We define the stability of a sequence of fixed points of mappings that satisfying certain generalized contractive conditions in the setup of generalized cone metric space. We also define the new convergence criteria and properties for convergence in generalized cone metric spaces. Our obtained results unify, strengthen and generalize various fixed point results and stability results in the existing literature. (Received September 21, 2018)