Neutrosophic Triplet Ring and its Applications FLORENTIN
SMARANDACHE, Univ of New Mexico, MUMTAZ ALI, University of Southern
Queensland, Australia — Neutrosophic Triplet Ring (NTR) is a set endowed with
two binary laws (M, *, #), such that:

a) (M, *) is a commutative neutrosophic triplet group; which means that:

- M is a set of neutrosophic triplets with respect to the law * (i.e. if x belongs to
M, then neut(x) and anti(x), defined with respect to the law *, also belong to M);

- the law * is well-defined, associative, and commutative on M (as in the classical
sense);

b) (M, #) is a set such that the law # on M is well-defined and associative (as in
the classical sense);

c) the law # is distributive with respect to the law * (as in the classical sense).

Florentin Smarandache
Univ of New Mexico