

## **MEIR-KEELER TYPE COMMON FIXED POINT THEOREMS FOR SET VALUED MAPPINGS**

**R. K. SAINI, MANISH KUMAR AND SANJEEV KUMAR**

### **Abstract**

In this paper, the notion of the set valued mapping used for generalization of Meir and Keeler condition. There are vast literature, which generalizes the result of Meir and Keeler. The purpose of this paper is to prove common fixed point theorems for set valued mappings i.e. mapping from  $X$  into  $B(X)$  where  $B(X)$  is the set of all non-empty bounded sets.

---

Key Words : *Set valued, Meir and Keeler, Common fixed point, Contractive condition.*

2000 Mathematical subject classification: 47H10, 54A40.