A NOTE ON FI-SEMI INJECTIVE MODULES

Manoj Kumar Patel

Department of Mathematics
National Institute of Technology Nagaland
Dimapur -797103, Nagaland, India

Email: mkpitb@gmail.com

In this paper, the concept of $FI-M-$principally injective and $FI-$semi-injective (fully invariant -semi injective) modules are introduce and establishes some important results. Also investigate the characterizations of PP-ring and commutative semi-simple rings in term of $FI-$semi-injective modules.

References

1. G. F. Birkenmeier, B. J. Muller and S. T. Rizvi, *Modules in which every fully invariant Submodule is Essential in a direct Summand*, Communication in Algebra, Vol. 30, 2002, 1395-1415.
2. R. P. Kurshan, *Rings whose Cyclic Module has finitely generated Socle*, Journal of Algebra : Vol. 15, 1970, 376-386.
3. W. K. Nicholson, M. F. Yousif, *Principally Injective Rings*, Journal of Algebra, 174, 1995, 77-93.
4. G. Puninski, R. Wisbauer, M. F. Yousif, *On P-injective ring*, Glasgow Math. Journal, Vol. 37, 1995, 373-378.
5. N. V. Sanh, K. P. Shum, S. Dhompongsa, S. Wongwai, *On Quasi Principally Injective Modules*, Algebra Colloquium, 6(3), 1999, 269-276.