International Journal of Applied Mathematics & Statistical Sciences (IJAMSS) ISSN(P): 2319-3972; ISSN(E): 2319-3980 Vol. 5, Issue 3, Apr - May 2016; 7-18 © IASET



## $\tau^*$ – $\ddot{g}$ closed sets in topological spaces

## T. INDIRA<sup>1</sup> & S. GEETHA<sup>2</sup>

<sup>1</sup>PG and Research, Department of Mathematics, Seethalakshmi Ramaswami College, Trichy, Tamil Nadu, India <sup>2</sup>Department of Mathematics, Seethalakshmi Ramaswami College, Trichy, Tamil Nadu, India

## ABSTRACT

In this paper a class of sets called  $\tau^* - g$  - closed sets and  $\tau^* - g$  - open sets and a class of maps in topological spaces is introduced and some of its properties are discussed.

**KEYWORDS:** cl\*,  $\tau^*$ -Topology,  $\tau^* - g$ - Open Set,  $\tau^* - g$ - Closed set,  $\tau^* - g$ - Continuous Maps

2010 Hematics Subject Classification: Primary 57A05, Secondary 57N05