Abstract

In this paper, through computation of the rank and subdegrees of alternating group (=5,6,7) on unordered triples we construct the suborbital graphs corresponding to the suborbits of these triples. When (≥ 5) acts on unordered pairs the suborbital graphs corresponding to the non-trivial suborbits are found to be connected, regular and have undirected edge except when n=6. Further, we investigate properties of the suborbital graphs constructed.