Question. Aluminium is usually found in +3 oxidation state. In contrast, thallium exists in +1 and +3 oxidation states.

This is due to:

- (1) lanthanide contraction
- (2) lattice effect
- (3) diagonal relationship
- (4) inert pair effect

(JEE Main 2019, 9 Jan, Paper I)

Answer- (4)