

8
$$m_g = 15^2 25^2 20^6 35^2$$
 $n = 1,2$ level filled

 $n = 3$ level hos 2 electron

D)
$$l=2$$
 sip orbital $\frac{30}{200}$ electron = $2+6=8$

(c)
$$c(mg)$$
 and $E(0)$
 $o(8) = 15^2 25^2 29^4$
 $o(9) = 15^2 25^2 29^6 35^2$
 $o(9) = 15^2 25^2 29^6 35^2$