JITT 13

1.) b.) & c.) ARE NOT ALLOWED

BECAUSE $l=2 \Rightarrow M_l \in \{-2,-1,0,1,2\}$

$l=1 \Rightarrow M_l \in \{-1,0,1\}$.

a.) & e.) ARE NOT ALLOWED

BECAUSE $n=0 \Rightarrow l \in \{0\}$

$n=2 \Rightarrow l \in \{0,1\}$

WHICH LEAVES **d.)** AS THE ALLOWABLE STATE.

2.) $n=3 \Rightarrow l \in \{0,1,2\}$

IF $l=0$, $M_l=0$

IF $l=1$ $M_l \in \{-1,0,1\}$

IF $l=2$ $M_l \in \{-2,-1,0,+1,+2\}$

$\Rightarrow$ **9** unique configurations