

5.73

Quiz 32

A. Specify all possible M_L and M_S values for
(i) 4S

(ii) 2F

(iii) 1P

B. Give M_L and M_S for

(i) $|p1\alpha\rangle|p0\alpha\rangle|p-1\alpha\rangle$

(ii) $|p1\alpha\rangle|p1\beta\rangle|p0\alpha\rangle$

C. Apply S_- to $|p1\alpha\rangle|p0\alpha\rangle|p-1\alpha\rangle$

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