Question 23: How many moles of $FeSO4$ oxidized separately by one mole of $KMnO4$ in acid medium?

ANSWER: OPTION 1

$2KMnO_4 + 10FeSO_4 + 8H_2SO_4 \rightarrow K_2SO_4 + 2MnSO_4 + 5Fe_2(SO4)_3 + 8H_2O$

$\therefore$ 2 moles $KMnO_4$ react with 10 moles of $FeSO_4$

$\therefore$ 1 mol of $KMnO_4$ will react with 5 moles of $FeSO_4$