Question 24: How many mole of H2C2O4 oxidized separately by one mole of KMnO4 in acid medium.

ANSWER: OPTION 3 (THERE IS A TYPO IN OPTIONS, *IT SHOULD BE 5/2 AND NOT 52)

$$C_2^{3+} \longrightarrow 2C_4^+ + 2e$$

$$Mn^{7+} + 5e \longrightarrow Mn^{2+}$$

$$5 C_2^{3+} + 2Mn^{7+} \rightarrow 10C^{4+} + 2Mn^{2+}$$

or 5/2 mole of $H_2C_2O_4$ are oxidised by 1 mole $KMnO_4$