Question 27 (6 marks)

Balance the following redox equation by determining and then combining the oxidation and reduction half-equations. State symbols are **not** required.

$$SCN^- \ + \ IO_3^- \ + \ Cl^- \ \rightarrow \ SO_4^{2-} \ + \ HCN \ + \ ICl$$

Oxidation half-equation

Reduction half-equation

Overall equation