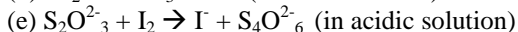
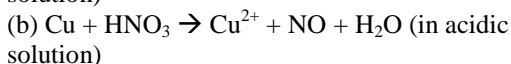
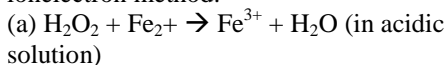


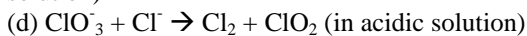
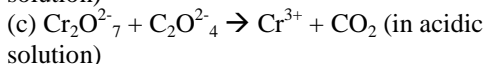
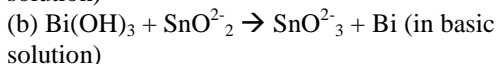
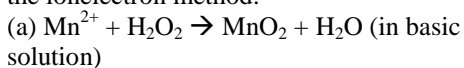
## CHAPTER THREE

### Balancing Chemical Equation (3)

**3.9** Balance the following redox equations by the ionelectron method:



**3.10** Balance the following redox equations by the ionelectron method:



**3.11** For each of the following redox reactions, (i) write the half-reactions; (ii) write a balanced equation for the whole reaction, (iii) determine in which direction the reaction will proceed simultaneously under standard-state conditions:

