203: Electrical installations technology  
**Worksheet 15: Protective devices**

**Answer guide**

Try the following problems.

1. **What is meant by the term ‘overcurrent’?**
2. **Overcurrent can be subdivided into two categories, which are:**
3. **What is meant by the term ‘overload current’?**
4. **What is meant by the term ‘fault current’?**
5. **What is meant by the term ‘protective conductor current?**

1. **List the five sizes of BS3036 fuses including their colours.**

**State three advantages of BS3036 fuses.**

1. **State three disadvantages of BS3036 fuses.**

1. **State three advantages of BS88‑3:2010 fuses.**
2. **State three disadvantages of BS88 3:2010 fuses.**

**State three advantages of BS88‑2:2010 fuses.**

1. **State a disadvantage of BS88‑2:2010 fuses.**
2. **State three advantages of BS EN 60898 circuit breakers.**
3. **State a disadvantage of BS EN 60898 circuit breakers.**
4. **State the three type classifications of circuit breakers currently available.**
5. **State the general principle of operation of an RCD.**