1. What is the main component (heart) in a low-voltage, remote-control system? **Relay**
2. What color is the common wire on a low-voltage, remote-control relay? **Blue**
3. What color is the on wire on a low-voltage, remote-control relay? **Red**
4. What color is the off wire on a low-voltage, remote-control relay? **Black**
5. What is the purpose of the rubber grommet used to mount the relay in a knockout? **Isolate relay from the metal for quieter operation**
6. What type of switch is typically used with a three-wire low-voltage, remote-control relay? **Single-pole, double-throw, momentary contact**
7. What color is the common wire on a low-voltage, remote-control switch? **White**
8. What color is the on wire on a low-voltage, remote-control switch? **Red**
9. What color is the off wire on a low-voltage, remote-control switch? **Black**
10. What component is required to operate relays from both individual switches and a master control? **Diodes (They call them rectifiers but they are diodes)**
11. What is the result of the transformer shown in Fig. 20-12 overloading? **As the current increases the voltage decreases to prevent overload**
12. Is raceway required for conductors in a low-voltage, remote-control switching circuit? **No**
13. Where is type ELC cable permitted to be used? (Table 19) **Class 2 circuits, dry locations concealed or exposed when not subject to mechanical injury**
14. What is the smallest conductor permitted in a Class 1 circuit? **No. 18**
15. What is the smallest conductor permitted in a Class 2 circuit? **No. 26**
16. What is required in a panel for low voltage, remote-control relays? **Barrier to separate higher voltage conductors from lower voltage**
17. Which area has lighting controlled by switch RCd? **Makeup area**
18. Which Remote-control master (RCM) switch controls the pharmacy? **RCM-3**