Unit 5 Version 3 (Unit 8 Version 4)

1. What color, other than white, is permitted for the neutral or grounded conductor? 
   Natural grey.
2. What is inrush current? High start current as the filament is cold.
3. Which switch is marked in some way to indicate on and off? Single-pole
4. Which wire must return from the switch to light the lamp when two wire cable is used for a switch wire? (black and white) Black
5. What are the terminals called on a three-way switch? Common and travellers
6. What color is typically used for the travelers when wiring with NMD cable? Red and white.
7. What is the easiest way to distinguish a three-way switch? Three terminals one dark.
8. What is the easiest way to distinguish a four-way switch? Four terminals all same color.

Unit 7 Version 3 (Unit 10 Version 4)

1. What chapter of the code deals with lighting installations? 30
2. Where is information about thermal protection found on a fixture? Label
3. What device is installed on some recessed fixtures to prevent overheating? Thermal cutout.
4. What restriction is enforced when lights are installed over combustible material? 
   Controlled by individual wall switch.

5. What is the maximum temperature combustible material may be subject to when lights are installed? 90°C

6. What is the minimum distance between a junction box and a recessed fixture? 30cm

7. What is the minimum length of a metal raceway between a junction box and a recessed fixture? 450mm

8. When recessed incandescent fixtures are installed in an insulated ceiling, what marking must be on the fixture? IC (Insulated Ceiling)

9. What is the minimum clearance between recessed fixtures and structural members? 13mm if combustible.

10. What is a type “P” ballast? Ballasts with built-in thermal protection.

11. What is the maximum voltage allowed, between a conductor and ground, for residential lighting fixtures? 150V

Unit 27 Version 3 (Unit 22 Version 4)

1. What voltage does extra-low-voltage remote-control wiring typically operate on? 24V

2. What size wire is typically used for switches in extra-low-voltage remote-control wiring? No.18 AWG

3. What type of switch is used for extra-low-voltage remote-control wiring? Normally-open, single-pole, double-throw, momentary-contact.
4. What are the colors for the wires on an extra-low-voltage remote-control switch?  
   Black, Red, and White.

5. Where is the white wire on an extra-low-voltage remote-control switch connected?  
   One side of 24V supply.

6. Where are the black and red wires on the extra-low-voltage remote-control switch connected?  
   Black and Red wires on the relay.

7. Where is the blue wire from the extra-low-voltage remote-control relay connected?  
   Other side of the 24V supply.

8. How many wires are on an extra-low-voltage remote-control relay?  5

9. Where is the extra-low-voltage remote-control relay typically mounted?  
   In the outlet box or a special junction box.

10. What are two types of protection from overload for an extra-low-voltage transformer?  
    Specially designed core that limits the output or a thermal breaker.

11. How many wires are required between a extra-low-voltage remote-control switch and relay?  3

12. How many wires are required between extra-low-voltage remote-control switches?  3