- 1. State the reason for undertaking a continuity test on the phase and c.p.c conductors of a ring final circuit.
- 2. State TWO other tests automatically carried out when undertaking the above.
- 3. State four prerequisite checks that need to be applied prior to undertaking an insulation resistance test.
- 4. State the danger that may arise if earth fault loop impedance tests are undertaken prior to verifying the continuity of the c.p.c.
- 5. State SEVEN methods of protection against direct contact.
- 6. State SIX methods of protection against indirect shock protection.
- 7. Name the THREE electrodes used when employing a proprietary tester to measure the resistance of a rod type electrode.
- 8. State FIVE items of technical information that are required to be completed on an installation or periodic inspection and test report.
- 9. List THREE items of information relating to the incoming supply that should be listed on the schedule of test results.
- 10. State the effect on insulation resistance of an installation if
 - a. additional circuits are added
 - b. circuits were disconnected/removed
 - c. the length of a 6A lighting circuit was extended
- 11. In the formula Zs = Uo/la what is represented by:
 - a. Uo
 - b. La
 - c. Zs
- 12. State:
 - a. why it is necessary to remove one end of a bonding conductor connection when verifying its continuity
 - b. the instrument used to verify continuity
 - c. a typical value of resistance when verifying the continuity of bonding conductors
- 13. State why a factor 1.2 is applied to (R1+R2) when determining the total value of phase and c.p.c conductor resistance of a final circuit.
- 14. State the possible outcomes if the factor of 1.2 was not applied to (R1+R2).