Multiple Choice Questions from all sections

1. Contact of persons or live stock with exposed conductive parts which have become live under fault conditions, is referred to as;
   - Basic Protection
   - Fault protection
   - Electric Shock
   - Earthing

2. The disconnection of the nearest ‘appropriate’ protection device is called;
   - Discrimination
   - Diversity
   - BS 60898
   - 30 mA RCD

3. A Ring final circuit not exceeding 32A must disconnect within;
   - 5 Seconds
   - 300 ms
   - 40 ms
   - 0.4 Seconds

4. Which of the following devices would be suitable for protecting a 9.5 KW shower;
   - BS 88
   - BS 1361
   - 30 mA RCD
   - 100mA RCD

5. Which of the following would be the appropriate protection device for a large motor.
   - Bs 60898 Type D
   - Bs 61009
   - Bs 60898 Type B
   - Bs 1362

6. When taking a Zs reading, which of the following is applied;
   - 80% Rule
   - 0.8v Rule
   - No Rule
   - 11.5%
7. Design current is symbolised by;
   - In
   - Iz
   - I\text{b}
   - I\text{t}

8. Using tables within BS7671:2008 - what size earthing conductor should be used when bonding to the main incoming gas and water pipes when the incoming supply is 25mm;
   - 16mm
   - 10mm
   - 4mm
   - Any of the above

9. A de-rating factor of 0.88 is applied to cables travelling through thermal insulation, how thick is this thermal insulation?
   - 200mm
   - 100mm
   - 500mm
   - 50mm

10. Using tables within BS7671:2008 - If the supply cable coming into a domestic property is 25mm, what size should the Earthing conductor be;
    - 16mm
    - 25mm
    - 10mm
    - 50mm

11. What size earth should be used for equipotential bonding in a standard bathroom – when no mechanical protection is afforded?
    - 16mm
    - 10mm
    - 2.5mm
    - 4mm

12. When performing an insulation resistance test on an SELV system, what should the test voltage be?
    - 50v
    - 24v
    - 500v
    - 250v
13. Periodic inspection and testing must be undertaken by;
   - Special Company
   - Competent Person
   - Apprentice
   - Electrician

14. The distance from a bath that a socket outlet is allowed to be installed in a bathroom is;
   - 10 meters
   - 20 Feet
   - Not at all
   - 3 Meters from the bath

15. The maximum allowed voltage drop on a lighting circuit is;
   - 11.5%
   - 10%
   - 0.75
   - 3%