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
- Ib
- It

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%