

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%**