BS7671 Part5

Questions on Selection and Erection of Equipment

1. A permanent warning notice must be fixed at or near the point of connection of every earthing conductor to an earth electrode. This notice must bear the words:
a) Earth Bonding – Danger
b) Safety Electrical Earth – Do Not Remove
c) Electrical Connection – Danger
d) Safety Electrical Connection – Do Not Remove

2. A ceiling rose must not be installed in any circuit operating at voltages exceeding:
a) 250 V
b) 415 V
c) 500 V
d) 1000V

3. When a copper earthing conductor mechanically protected is buried in the ground and is not protected against corrosion, is must have a cross sectional area of at least:
a) 6 mm^2
b) 10 mm^2
c) 25 mm^2
d) 50 mm^2

4. If the cable is totally enclosed in thermal insulation for a distance of 2 m, the correction factor (C_i) will be:
a) 0.5
b) 0.55
c) 0.68
d) 0.81

6. Where a supplementary bonding conductor is **NOT** mechanically protected, the minimum csa allowed is:
a) 2.5 mm^2
b) 4 mm^2
c) 10 mm^2
d) 16 mm^2

8. The csa of a supplementary bonding conductor connecting two extraneous conductive parts and enclosed in metal conduit must **NOT** be less than:
a) 2.5 mm^2
b) 4.0 mm^2
c) 16 mm^2
d) 25 mm^2

9. The minimum size of a supplementary bonding conductor connecting two exposed conductive parts and IS mechanically protected is:
a) 1.5 mm^2
b) not less than the larger protective conductor connecting the two parts
c) 4 mm^2
d) not less than the smaller protective conductor connecting the two parts

10. Using Table 54.7, select the smallest suitable cross sectional area of 70º C thermoplastic steel wire armouring for a 16 mm^2 SWA cable given k_2 is 51.
a) 16 mm^2
b) 32 mm^2
c) 36 mm^2
d) 48 mm^2

11. Maximum permitted voltage drop on an installation is:
a) external to the installation
b) between distribution boards
c) from the installations origin to the furthest point
d) on the final circuit only

12. The maximum rating of an over current protective device for a lighting circuit using E14 type lampholders is:
a) 5 A
b) 6 A
c) 15A
d) 16A

Answers:

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2 A Page 146
3 C Page 127
4 A Page 104 Table 52.2
5 D Page 128
6 B Page 135
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11 C Page 358
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