

BS7671 Part 7

Questions on Special Installations or Locations

1. With reference to the degree of protection of enclosures used in swimming pools where water jets are likely to be used for cleaning purposes, the index of protection must be to:

- a) IPX2
- b) IPX4
- c) IPX5
- d) IPX8

2. When under floor heating is provided in a swimming pool area, the electric heating unit embedded in the floor shall incorporate a metallic sheath connected to:

- a) the supplementary equipotential bonding
- b) the main equipotential bonding
- c) the main earthing terminal of the installation
- d) an independent earth electrode

3. In a touring caravan, instructions must be provided which include information relating to:

- a) bonding arrangements
- b) the use of obstacles to provide basic protection
- c) the position of any gas appliances
- d) a description of the installation

4. In the absence of manufacturers' guidance, a radiant heater used in the vicinity of livestock should be placed at a distance not less than:

- a) 2.5 m
- b) 2.0 m
- c) 1.5 m
- d) 0.5 m

5. Where socket outlets are used in a caravan park, each socket-outlet forming part of the caravan pitch supply equipment shall be individually:

- a) protected by an overcurrent device and be mounted no more than 0.5m from the ground
- b) protected by a 30 mA RCD and be provided with an individual overcurrent protection
- c) colour-coded for identification
- d) supplied from a consumer unit

6. In agricultural premises, final circuits supplying socket-outlets with a rating not exceeding 32 A must be protected by an RCD with a residual operating current not exceeding:

- a) 100 mA
- b) 300 mA

- c) 30 mA
- d) 500 mA

7. All structural metal parts of a caravan that are accessible from within the caravan must be:

- a) placed out of reach
- b) covered in insulating material
- c) bonded to the nearest accessory earthing terminal
- d) connected to the main earthing terminal within the caravan

8. On a dairy farm, the particular requirements of section 705 within the IEE Regulations do **NOT** apply to:

- a) staff dwellings
- b) milking parlours
- c) buildings used for storing equipment/tractors
- d) barns housing livestock

9. A domestic consumer decides to install a shower cubicle in a room. Any socket outlets within the room shall be:

- a) removed from the room completely
- b) situated at least 3 m from the edge of Zone 1
- c) fixed no more than 0.5 m from the floor
- d) controlled by a double-pole switch

10. Every plug and socket outlet rated at 16 A for use on a construction site, shall comply with:

- a) BS 4343
- b) BS 1363
- c) BS EN 60309-2
- d) BS 196

11. In an area where there is vehicle movement on a caravan park, the minimum height for overhead cables is:

- a) 3.5 m
- b) 8.0 m
- c) 6.0 m
- d) 7.5 m

12. The maximum permissible height for a caravan inlet is:

- a) 0.5 m
- b) 1 m
- c) 1.5 m
- d) 1.8 m

13. Where an electric heating element is embedded in the floor of a bathroom it should be:

- a) covered by an earthed metal grid which is connected to the protective conductor
- b) supplied from a SELV source
- c) buried to a depth not less than 50 mm

d) surrounded by insulating material

14. In Zone 1 of a swimming pool installation where a circuit is supplied by SELV, the voltage must not exceed:

- a) 50 V a.c.
- b) 25 V a.c.
- c) 12 V d.c.
- d) 6 V d.c.

15. In a building containing a swimming pool, junction boxes may be installed in:

- a) Zone 1
- b) Zone 0
- c) Zones 0 and 1
- d) Zone 2

16. In a swimming pool which of the following protective measures is **NOT** applicable to equipment installed in Zone 2

- a) protection by obstacles
- b) electrical separation supplying one item of equipment
- c) SELV
- d) automatic disconnection of supply using an RCD in accordance with Regulation 415.1.1

17. The minimum degree of protection for equipment inside a sauna must be:

- a) IP4X
- b) IPX4
- c) IPX7
- d) IP5X

18. Temporary electrical installations used for exhibitions shall be:

- a) wired in armoured cable only
- b) inspected and tested on site after each assembly
- c) supplied at a voltage not exceeding 250 V
- d) wired using copper cable having a cross-sectional area not less than 2.5 mm²

19. Section 704 deals specifically with temporary installations for construction and demolition sites during the period of construction or demolition and includes:

- a) site offices
- b) canteens
- c) toilets
- d) earthworks

Answers:

- 1 C Page 172 702.512.2
- 2 A Page 173 702.511.1
- 3 D Page 210 721.514.1
- 4 D Page 184 705.422.6
- 5 B Page 191 708.533.1.13
- 6 C Page 183 705.411.1
- 7 D Page 210 721.411.3.1.2
- 8 A Page 183 705.1
- 9 B Page 167 701.512.3
- 10 C Page 182 704.511.1
- 11 C Page 191 708.521.1.2
- 12 D Page 212 721.55.1.2
- 13 A Page 168 701.753
- 14 B Page 170 702.410.3.4.1
- 15 D Page 172 702.522.24
- 16 A Page 173 702.522.24
- 17 B Page 180 703.512.2
- 18 B Page 199 711.6
- 19 D Page 181 704.1.1