

## BS7671 Part 3

### Questions on Assessment of General Characteristics

1. The type of building construction in which an installation is to be carried out may affect the design and safe operation of the installation. This effect is called:

- a) the nature of the supply
- b) compatibility
- c) maintainability
- d) an external influence

2. In addition to regular maintenance of an installation, which one of the following is **NOT** an essential requirement?

- a) periodic inspection and testing may be readily and safely carried out
- b) the name and address of the contractor is permanently displayed adjacent to the mains
- c) the reliability of the equipment is sustained
- d) protective measures for safety remain effective

3. The three general categories of external influence are environment, utilisation and:

- a) the number and type of live conductors
- b) construction building
- c) method of installation
- d) the installation earthing arrangements

4. With reference to the general characteristics of an electrical installation, the maximum demand should be:

- a) determined by the supply company
- b) calculated from the installation drawings
- c) obtained from the architect
- d) assessed and diversity may be taken into account

5. Which one of the following statements is a requirement of BS 7671:2008?

- a) consideration should be given to the need to carry out periodic inspection during the life of the installation
- b) all fixed installations must be in accordance with the relevant EMC regulations
- c) electromagnetic interference is not considered when planning and designing an installation
- d) storage batteries may be used as a source of electrical energy for a safety service

6. The external influence having a classification of AD8 would indicate a condition of:

- a) submersion in water

- b) immersion in water
- c) dust in the atmosphere
- d) high levels of vibration

7. Where a wiring system is installed in a building whose structure has an external influence category CB4, the wiring system shall be:

- a) rigid
- b) flexible
- c) screened
- d) armoured

8. The Classification code for high wind is:

- a) AS3
- b) AR3
- c) AP3
- d) AN3

9. An external influence categorised as AG1 applies to a:

- a) quarry
- b) factory
- c) house
- d) workshop

10. When considering continuity of service to life support systems, which one of the following should be considered?

- a) the number of persons in the building
- b) selection of protective device to achieve discrimination
- c) the type of cable to be used
- d) the fixing height of switches and sockets

**Answers:**

1 D Page 318

2 B Page 40

3 B Page 318

4 D Page 38 311.1

5 A Page 40 341.2 or 332.1

6 A Page 319

7 B Page 319

8 A Page 319

9 C Page 319

10 B Page 40 361.1 (ii)