

# Part P Practice Test Questions and Answers

## 1. What is TN-S earthing?

- A) A system where the neutral (N) and protective earth (PE) conductors are separate throughout the installation, with the earth provided by the supply cable sheath
- B) A system where neutral and earth are combined throughout
- C) A system where earth is provided only by the building structure
- D) A system used only in rural areas

## 2. What are 'meter tails'?

- A) The cables connecting the electricity meter to the consumer unit main switch — typically 25 mm<sup>2</sup> or 35 mm<sup>2</sup> insulated single-core cables
- B) The cables entering the electricity meter from the street
- C) The cables connecting the consumer unit to individual circuits
- D) The neutral and earth conductors in the consumer unit

## 3. What is a 'touch voltage'?

- A) The voltage appearing between simultaneously touchable parts (e.g., a faulty appliance casing and earth) during an earth fault
- B) The voltage required to start an appliance
- C) The rated supply voltage
- D) The voltage drop across a cable under load

## 4. What is an earth electrode?

- A) A conductor buried in the ground to provide a connection between the installation's earthing system and the general mass of earth — used in TT systems
- B) The earthing terminal at the consumer unit
- C) The earth conductor in each circuit cable
- D) The earth connection at the electricity meter

**Answers: 1-A 2-A 3-A 4-A**

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