

Electrical Technology Grade 10

Possible Answers

QUESTION 1-

1. Protons
2. Electrons
3. Terminals
4. Circuit
5. Ammeter

(5)

QUESTION 2 – MISSING WORDS

1. Materials through which electricity can pass are called **electrical** conductors.
2. Materials that do not allow electricity to pass through them are called electrical **insulators**.
3. The positively charge particle contained in the nucleus of an atom is called a **proton**.
4. The path of electrons orbiting around nucleus is called a **shell**.
5. A black band on a resistor colour code is denoted by a **zero** digit.

(5)

QUESTION 2 – DESCRIPTION

The number of outer electrons which an atom gains, loses or shares according to the chemical combination is known as the valence of an element. The elements are nano, di, tri, tetra, penta, hex or heptavalent, if the number of valence electrons involved is 1, 2, 3, 4, 5, 6 or 7. (5)