

SOBTIS PUBLIC SCHOOL

GREEN PARK, BAREILLY

PHYSICS

WORK SHEET

CLASS-X

Q.1 State the relation between potential, work and a charge.

Q.2 What is meant by conductor and insulator? Give two examples of each.

Q.3 Define one coulomb of charge.

Q.4 What is the current in the circuit if the charge passing each point is 20C in 40sec

Q.5 Why should the resistance of a ammeter be very small and of voltmeter be very high?

Q.6 How many electrons are passing per second at a point in a circuit in which there is a current of 5 amps?

Q. 6 Name the unit of electrical resistance and give its symbol.

Q.7 A resistance of 20 ohms has a current of 2 amps flowing in it. What potential difference is there between its ends?

Q.8 Name the electrical property whose symbol is omega.

Q.9 A current of 200 milliamps. Floes through a 4 K Ω resistor. What is the potential across the resistor?

Q.10 What is resistivity? State its factors on which it depends on.