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SUBJECT:- PHYSICS

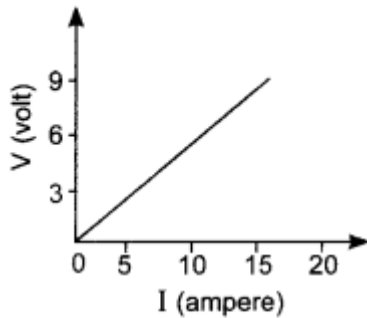
CLASS:- XTH

DATE:25/07/XX

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 1. (ELECTRICITY REVISION) (BASED ON NCERT PATTERN)

1. A wire of length l , made of material resistivity ρ is cut into two equal parts. The resistivity of the two parts are equal to,
(a) ρ (b) $\rho/2$
(c) 2ρ (d) 4ρ
2. A battery of 10 volt carries 20,000 C of charge through a resistance of 20 Ω . The work done in 10 seconds is
(a) 2×10^3 joule (b) 2×10^5 joule
(c) 2×10^4 joule (d) 2×10^2 joule
3. A boy records that 4000 joule of work is required to transfer 10 coulomb of charge between two points of a resistor of 50 Ω . The current passing through it is
(a) 2 A (b) 4 A
(c) 8 A (d) 16 A
4. The resistance whose V-I graph is given below is



- (a) $\frac{5}{3} \Omega$ (b) $\frac{3}{5} \Omega$
(c) $\frac{5}{2} \Omega$ (d) $\frac{2}{5} \Omega$