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SUBJECT:- PHYSICS

CLASS:- XTH

DATE:21/07/XX

SUBJECT TEACHER:- MR. NEEL NIRANJAN

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

1. What is the amount of current flowing through an electric press, if the amount of charge passing through a conductor in 10 minutes is 300 C?

- (a) 30 A
- (b) 0.3 A
- (c) 0.5 A
- (d) 5 A

Answer: (c) 0.5 A

2. An electrical appliance has a resistance of 25 Ω . When this electrical appliance is connected to a 230 V supply line, the current passing through it will be:

- (a) 0.92 A
- (b) 2.9 A
- (c) 9.2 A
- (d) 92 A

Answer: (c) 9.2 A

3. When a 4 Ω resistor is connected across the terminals of a 2 V battery, the number of coulombs passing through the resistor per second is:

- (a) 0.5
- (b) 1
- (c) 2
- (d) 4

Answer: (a) 0.5

4. Keeping the potential difference constant, the resistance of the circuit is halved. The current will become:

(a) One-fourth

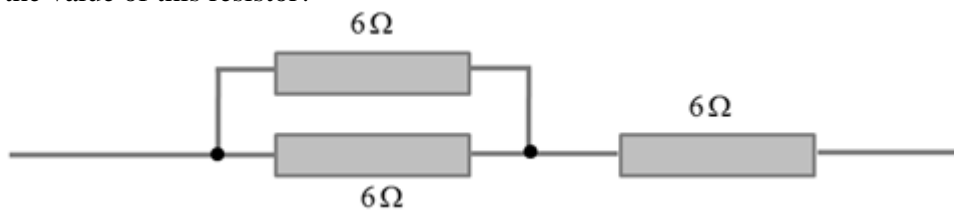
(b) Four times

(c) Half

(d) Double

Answer: (d) Double

5. If in the given arrangement, the three resistors are to be replaced by a single resistor. What will be the value of this resistor?



(a) 4Ω

(b) 6Ω

(c) 9Ω

(d) 18Ω

Answer: (c) 9Ω