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NEET CURRENT ELECTRICITY — OHM'S LAW — PYQS

Max. Marks: 20 **Questions:** 5

Section A (MCQ) — 5 questions

Q.1 The reciprocal of resistance is : [NEET (UG) 2022 (Phase 2)]

(1) conductance (2) reactance
(3) mobility (4) conductivity

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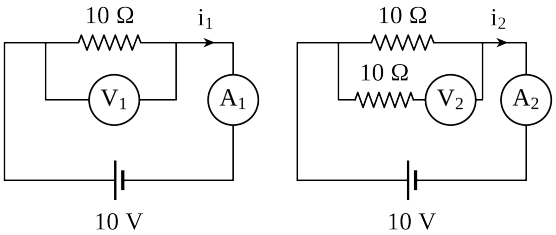
Q.2 In the circuits shown below, the readings of voltmeters and the ammeters will be : [NEET (UG) 2019]



Circuit 1 Circuit 2

(1) $V_1 = V_2$ and $i_1 = i_2$ (2) $V_1 > V_2$ and $i_1 > i_2$
(3) $V_1 > V_2$ and $i_1 = i_2$ (4) $V_1 = V_2$ and $i_1 > i_2$

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Q.3 A wire of resistance 4 Ω is stretched to twice its original length. The resistance of stretched wire would be [NEET 2013]

(1) 8 Ω (2) 16 Ω (3) 2 Ω (4) 4 Ω

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Q.4 The electric resistance of a certain wire of iron is R. If its length and radius are both doubled, then [AIPMT 2004]

(1) The resistance will be doubled and the specific resistance will be halved.
(2) The resistance will be halved and the specific resistance will remain unchanged.
(3) The resistance will be halved and the specific resistance will be doubled.
(4) The resistance and the specific resistance, will both remain unchanged.

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Q.5 A 6 volt battery is connected to the terminals of a three metre long wire of uniform thickness and resistance of 100 ohm. The difference of potential between two points on the wire separated by a distance of 50 cm will be [AIPMT 2004]

(1) 2 volt (2) 3 volt (3) 1 volt (4) 1.5 volt

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ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	1	1	2	2	3						