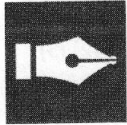


Name

Class.....

Roll No.....

Time
20 Min.Max.
Marks
12Marks
Obtained

TOPIC-1

Electric Current

A Q. 1. A given length of a wire is doubled of itself and this process is repeated once again. By what factor does the resistance of the wire changes ? **[Board Term I, Set (16), 2011] (1)**

Ans.
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A Q. 2. 400 J of heat is produced in 4 s in a 4 W resistor. Find potential difference across the resistor. **[Board Term I, Set (17), 2011] (1)**

Ans.
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A Q. 3. (i) Calculate the electrical energy consumed by a 1200 W toaster in 30 minute.
(ii) What will be the cost of using the same for 1 month if one unit of electricity costs ₹ 4 ? **[Board Term I, Set (37), 2012] (2)**

Ans.
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A Q. 4. The resistance per metre length of a wire is 10W. If the resistivity of the material of the wire is 50×10^{-8} ohm metre, find the area of cross-section of the wire. **[Board Term-I, Set-JYNE6XG, 2015] (3)**

Ans.
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