

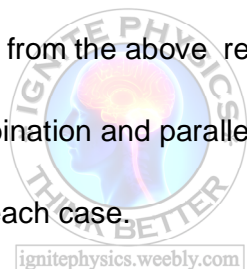
PROJECT WORK- 11

ELECTRIC CURRENT

Some items to be given as project work for class-10 students.

They can do any one of the following. The report should be in at least two A4 pages.

1. Take a battery and measure the potential difference. Make a circuit and measure the potential difference when the battery is connected in the circuit. Is there any difference in potential difference of battery?
2. Measure the resistance of a bulb (filament) in open circuit with a multi-meter. Make a circuit with elements such as bulb, battery of 12V and key in series. Close the key. Then again measure the resistance of the same bulb (filament) for every 30 seconds. Record the observations in a proper table. What can you conclude from the above results?
3. Prepare a model for the series combination and parallel combination of bulbs. Write the advantages and disadvantages for each case.
4. Prepare a model for the series combination and parallel combination of batteries.
Write the advantages and disadvantages for each case.
5. Prepare a model for the series combination and parallel combination of resistances.
Write the properties of V, I, R for each case.
6. Collect the information and prepare a report on power consumption in your town or locality.



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