Lecture 5
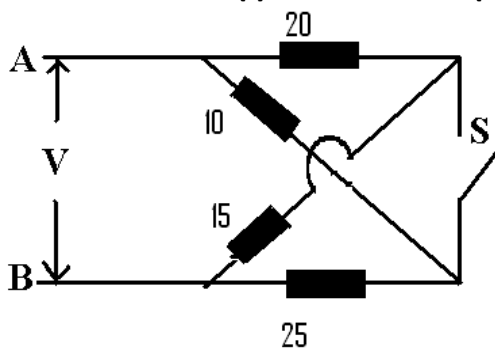
1. **A current of 20A flows through two ammeters A and B joined in series. Across A the potential difference is 0.2V and across B it is 0.3V. Find how the same current will divide between A and B when they are joined in parallel.**

2. **Find the value of Voltage V_{AB} , if the current through 15 Ω resistor is 3A when the switch S is (i) Closed and (ii) Open. (All the values are in Ohms)**

(Ans : V_{AB} = 77V with S Closed ; V_{AB} = 105V with S Open)