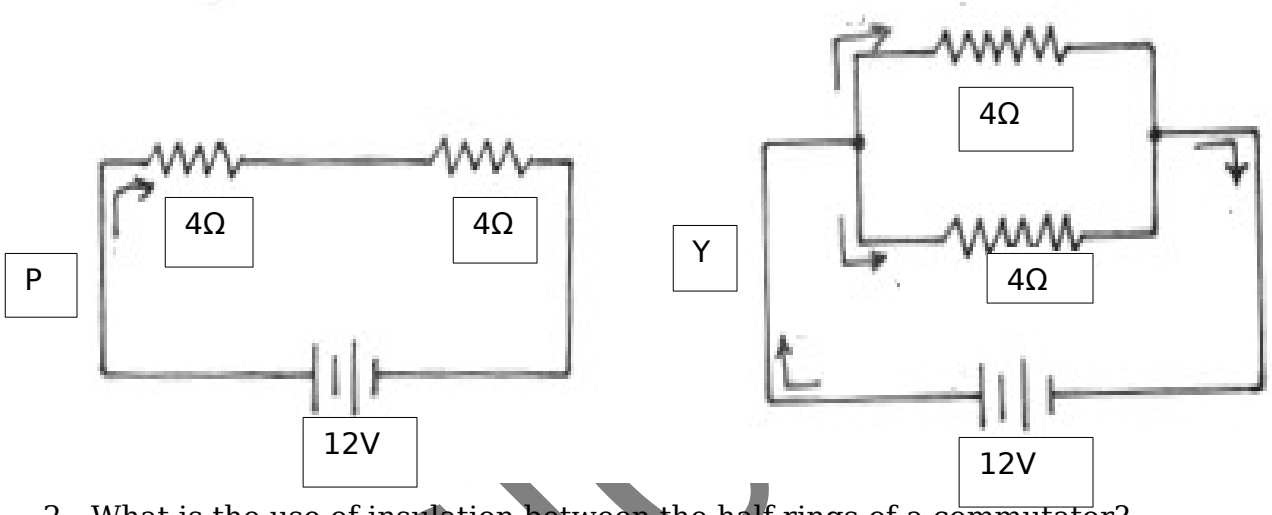
I. WRITE BRIEF AND SHORT ANSSWER FOR THE FOLLOWING QUESTIONS

1. From the following circuit determine the fooling questions
   A. What is the total resistance in circuit P and Y respectively?
   B. What is the total current in circuit P and Y respectively?
   C. Compare the currents from the two circuits
   D. What do you understand from these two circuits?




2. What is the use of insulation between the half rings of a commutator?
3. What is electromagnet induction?
4. What is the purpose of winding many turns of wire on an armature?
5. A 60Ω lamp and 90Ω heater is connected in parallel across a 120V potential difference.
   A. What is the equivalent resistance of the two items?
   B. Find the currents flowing through the two items.
   C. What current flows through the entire circuit?
   D. Compare the sum
6. Write at least five sources of light around you.
7. A transformer has 500 turns in its primary coil and its turns from the secondary coil are 10000 turns the current from the primary coil is 6A. What is the current in its secondary coil?
8. Does light and sound can travel through the same body of solids liquids gases and vacuum? If it isn't why?
9. Write the uses of all the parts of electric motor.

PHYSIC

10. What does mean electromagnetic induction and for what purpose it is applicable?

**N.B page:-from unit five-137**

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