

PROBLEMS

POWER SOURCE: DIRECT CURRENT

WINDING: COILS OF WIRE

FIELD: MAGNETIC FIELD

ROTATION: ROTATING FIELD

INDUCTION: INDUCED VOLTAGE

i. Generator coil and magnetized iron core supply the current which drives the motor and the electric energy can be used again. If this magnetic field can rotate clockwise, then the generator will continue to generate current (induced voltage) from previous step. This current is fed by the motor, then the motor will

INDUCED VOLTAGE IN A COIL

j. If generator coil rotates, the induced voltage will be zero. Then the motor will rotate clockwise, and then the generator coil will rotate again, and so on.

INDUCED VOLTAGE IN A COIL

k. In this connection, if there is no rotation, there will be no induced voltage in the coil. If there is no rotation, the current will not be generated. It is because there is no induced voltage in the coil, therefore current is not flowing.

l. If there is no rotation, there will be no induced voltage in the coil. Therefore, there will be no current flowing through the coil. Because the current is not flowing, there will be no magnetic field around the coil.

ANSWER

QUESTION AND ANSWER

ANSWER

1. WHAT IS THE DIFFERENCE BETWEEN DC AND AC?

