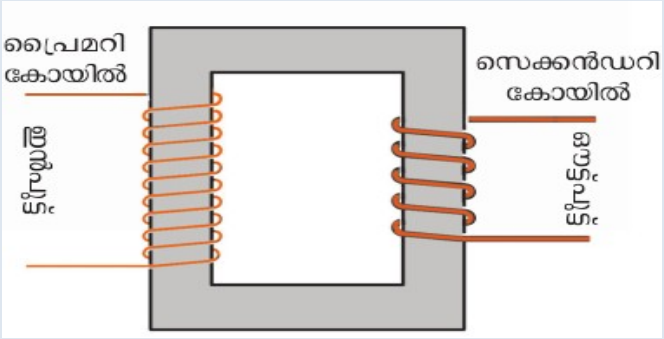
STANDARD:10	SUBJECT:PHYSICS	DATE: 9/10/2020	WORK SHEET No:3.9

CLASS:23 ELECTRO MAGNETIC INDUCTIO

1) A device which produce electricity is---------(Transformer, Generator, Motor, Inductor)

P=500 W



2) Examine the figure above and answer the following questions

a) which type of transformer is this ?

b) write down the power in the secondary coil?

c) voltage of single coil in secondary is 10 v. Calculate the voltage of single coil in primary?

d) Thick coil is used in the secondary of this transformer. Explain with reason?

(Hint P= VI, H= I^2Rt)

3) Can you increase the electric power with help of a step up transformer. Explain?

4) Primary current of a transformer is 0.5A and secondary current is 1A

a) Which type of transformer is this ?

b)An emf of 200 v is obtained in a transformer. How much emf is experienced in the secondary coil?

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