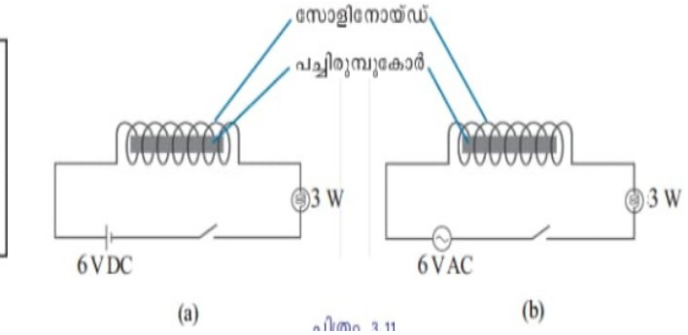


Note:
When AC passes through a solenoid,a changing magneticfield is generated around it.Due to this an induced emf is generated inside the solenoid.this induced emf is in a direction opposite to that applied on the coil.Hence this is a back emf.this back emf reduces the effective voltage in the circuit.

A -SELF INDUCTION

Analyse the digram and note given above write answers to the following questions

1.In which circuit varying magnetic field is devoloped around the solenoid ?
2. In which circuit a continous emf induced?
3.In which circuit the bulb gave a light with a low intencity? Why?

B - INDUTOR

1.Give Name of the electronic component given below?

2.What s the role of this component in electronic circuit?
3.Can we use resistors instead of this component in circuits?why?
4.These components cannot be used in D C circuits? Why?

കൈകൾ സോപ്പ് ഉപയോഗിച്ച് കഴുകുക
സാനിറ്റൈസർ ഉപയോഗിക്കുക
മാസ്ക് ധരിക്കുക
സാമൂഹിക അകലം പാലിക്കുക

PHYSICS

ONLINE SUPPORTING MATERIAL

CLASS : X

CHAPTER 3

ELECTROMAGNETIC INDUCTION

TOPIC

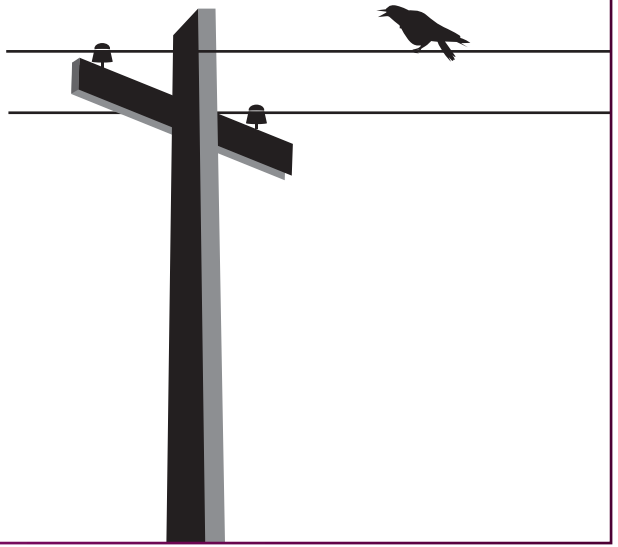
POWER TRANSMISSION AND DISTRIBUTION

1. **Write the correct relation**
   Main power stations: step up transformer
   Substations:

2. **It is given a flowchart of power generation, transmission, distribution ,A,B,C,D,E are voltages, write their values.**

3. **Do you see a crow sitting on an electric line, if it sitting on a single line, will it get an electric shock, why?**

4. **What are the two major problems faced in power transmission? How to solve this?**

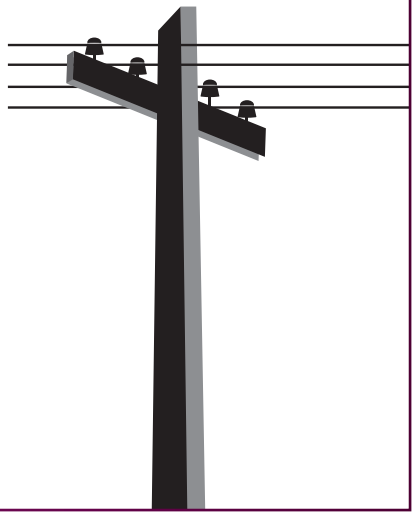


5. you can see a power distribution transformer in the figure

a) How many lines you can see there

b) Write the potential between the lines

c) Which are the two lines used for household electrification



ഫസ്റ്റ് ബെൽ
വീട്ടിലൊരുവിദ്യാലയം

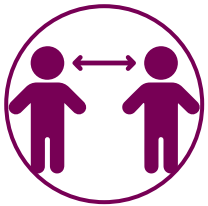
Thank you

Break the chain
കൈവിടാതിരിക്കാം... കൈ കഴുകൂ...

കൈകൾ സോപ്പ്
ഉപയോഗിച്ച് കഴുകുക

സാനിറ്റൈസർ
ഉപയോഗിക്കുക

മാസ്ക്
ധരിക്കുക



സാമൂഹിക അകലം
പാലിക്കുക

കൈ സോപ്പ് ഉപയോഗിച്ച് കഴുകുക
സാനിറ്റൈസർ ഉപയോഗിക്കുക
മാസ്ക് ധരിക്കുക
സാമൂഹിക അകലം പാലിക്കുക

MALAPPURAM EDUCATIONAL DISTRICT

FIRST BELL SUPPORTING MATERIAL

PHYSICS

ചലിക്കും ചുരുൾ മൈക്രോഫോൺ (Moving Coil Microphone)

1.What are the main parts of a moving coil microphone?

2.Which is the moving part?

3.If sound is produced infront of a diaphragm,what will happen to diaphragm?

4.What happens to the voice coil?

5.Explain the working of Moving coil Microphone ?

6.Explain about different types of Microphones?