

23/11/2020  
MONDAY

## PHYSICS

STD - 8  
class - 31

### Notes

1. What is the use of moving coil microphone? what is the energy transformation?

Ans) Sound signals are converted into electrical signals.  
Sound energy is converted into electrical energy.

2. What is the working principle of a transformer? what is its use?

Ans) Mutual induction. To increase or decrease the voltage.

3. What is the voltage at which electricity is generated at the power station?

Ans) 11 kV

4. What is the voltage of electricity supplied for domestic consumption?

Ans) 230 V

5. What is the role of step up and step down transformers?

Ans) step up - Increase the voltage, decrease in current

step down - decrease the voltage, increase in current

6. What are the functions of ELCB/RCCB in the circuit?

Ans) It is a current sensing device to protect low voltage circuit during leakage fault. It switches off the device when fault is detected.

7. Which are the devices working in both AC and DC?

Ans) Filament bulbs, electric iron, heater.