



കൈ നോച്ച് ഉപയോഗിച്ച് കഴുകുക
സാനിറ്റൈസർ ഉപയോഗിക്കുക
മാസ്ക് ധരിക്കുക
സാമൂഹിക ദൂരം പാലിക്കുക

Break
the
Chain
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MALAPPURAM EDUCATIONAL DISTRICT FIRST BELL SUPPORTING MATERIAL

STD : 10

PHYSICS

ANSWER KEY

TOPIC: **MUTUAL INDUCTION**

1. a) Primary coil.

b) Secondary coil.

c) Bulb glows and then goes off. Because when the switch is turned on or off there will be change in magnetic flux around the primary coil and emf is induced in the secondary coil.

d) Bulb doesn't glow. Because there is no change in magnetic flux.

e) Give AC instead of DC.

f) Mutual Induction.

Consider two coils of wire kept side by side. When the strength or direction of the current in one coil changes, the magnetic flux around it changes. As a result an emf is induced in the secondary coil. This phenomenon is the mutual induction.

g) Transformer.

