

# Assignment:

Khadija Saleheen  
12<sup>th</sup> year (Pre-Med)  
Physics

## Question # 6:-

Choke:

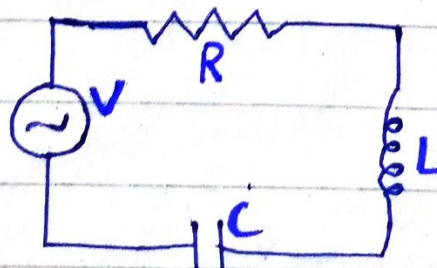
It is a coil wound with thick enameled copper wire over laminated core of soft iron. It has low resistance and high inductance.

Used:-

It is used to limit current in A.C. circuit with minimum power loss.

## Question # 02:-

Diagram



Power:

$$f_r = \frac{1}{2\pi\sqrt{LC}}$$

The power factor of the circuit is



↑ at resonance.

### Question # 05:

#### Information reference to modulation:

The information that is light, sound or other data is pressed on the radio wave and is carried along with it to the destination.

#### Carried reference to modulation:

Modulation is the process of combining the low frequency signal with a high frequency radio wave called carrier wave. The resultant wave is called modulated carrier wave.

### Question # 0.