BEEE

UNIT- 2 IMP QUESTIONS

Define 3-phase balanced supply with phasor diagram.

Explain.
i)   Apparent power
ii) Active power
iii) Reactive power in a.c. circuit

Define the following
i)   R.M.S value
ii) Form factor
iii) Peak factor
iv) Time period
v)   Frequency

What is difference between d.c. and a.c.? Draw a.c. sine wave and define instantaneous value, average value and R.M.S. value of this a.c. sine wave.   7

Draw and explain the R-L-C series and parallel circuit.

What do you understand by average value, RMS value, form factor and peak factor in AC circuit?

Explain the meaning of phase sequence and balanced and unbalanced supply and loads.

Determine the power in balanced and unbalanced three phase system and their measurements.

Explain the advantages of three phase system.

Explain how power is measured using two watt meter.

Derive an expression of impedance, current, power factor, power in watts, in R-LC series circuit.   7