BEEE
UNIT-II
ASSIGNMENT QUESTIONS

1. Define the following terms:-
    (a) RMS Value
    (b) Average Value
    (c) Form Factor
    (d) Peak Factor
2. Show the power in pure capacitive circuit is zero? Draw its phasor diagram?
3. Show the power in pure inductive circuit is zero? Draw its phasor diagram?
4. Explain the power in single phase AC circuit?
5. Derive an expression for Resonance of an R-L-C series circuit?
6. What is power factor? State its significance of a circuit?
7. Explain the concept of phasor?
8. Write the advantages and disadvantages of three phase AC network over single phase AC network?
9. Establish relationship between line and phase voltage and current in balanced Delta (π) connected load? Draw complete phasor diagram of voltage and current?
10. Establish relationship between line and phase voltage and current in balanced Star (Y) connected load? Draw complete phasor diagram of voltage and current?
11. Define the following terms:-
    (a) Phase Sequence
    (b) Balanced & Unbalanced load
    (c) Symmetrical & Unsymmetrical Supply
12. Explain the power in three phase AC circuit?
13. Explain the method of power measurement of three phase circuit?