UNIT 1 2 MARKS QUESTIONS

- Q 1 Explain MESH and LOOP.
- Q 2 Explain NODE and JUNCTION.
- Q 3 Explain active and passive element.
- Q 4 Explain unilateral and bilateral element.
- Q 5 Explain ideal and practical, current source and voltage source.
- Q 6 What are the basic elements of an electrical network?
- Q 7 State KVL and KCL.
- Q 8 Differentiate between EMF and potential difference.
- Q 9 Why linearity is important.
- Q 10 Explain linear and non linear element.
- Q 11 Explain lumped and distributive network.

Unit 2, 2 MARKS QUESTION

- Q 1 What are the value of power factor for
- I) pure resististive circuit
- ii) pure inductive circuit
- iii) pure capacitive circuit define it.
- Q 2 what is the average power of pure Inductive and pure capacity circuit.
- Q 3 Define the term "Dynamic Impedance" in AC circuit.
- Q 4 Define power factor and quality factor
- Q 5 Why series resonance circuit is known as acceptor circuit and parallel resonant circuit is known as rejector circuit.
- Q 6 What is the relationship between line and phase, voltage and current for a e phase star and delta connection balance system.
- Q 7 What do you mean by active power, reactive power and Apparent power.

Q 8 What do you mean by form factor and peak factor.

Q 9 What do you mean by average and RMS value.

Q 10 What are the causes of low power factor and how can we improve it.

UNIT-3 - 2- Marke Oucotions O.1 Explain (i) Reloctance (ii) Permeability (iii) Magnetic field Density (IV) Magnetic Reld Strength. a. 2 What happens if D.C supply is given to the Toungloomer. Q. I What do you mean by Voltage Regulation of Toursformer. Q' Why Transformer ore rated in KVA not in KW? I son loss on depends on voltage & Copper less defends on wasent of a tounglower, Hence, total transformer heat loss depends on volt-Ampere (VA) & independent of phase angle among voltage & current. Q. State different losses in Transformer. Give the expression for the load consent, when the transformer operates at its maximum efficiency. Compare Core Type & Shell Type Transformer. a + Explain Magnetic Leakage & Fringing. Compare Flectoric & Magnetic Ciacuitz. 0.9 write different types of Magnetic Material.

UNIT-4, 2- Mark Questions Give classification of D.C. Machines. What do you mean by Back EMF. What is generated EMF in D.C. Generator. 0-3 What will happens, if the field winding of a ounning D.C. Shunt notes suddenly opens/short? To dIa DI motor 1/ short irruited than, Ia=0, T=0. Motor will stop rotating. () If motor is at open of will decrease, .. IN increases to maintain constant Eb. - ES ampl . Speed will dangerously increase. @ What is the function of Brushes in D.C. Machine) D's How can we change the direction of notation of D.C. Motor) OF What is the sale of commutator in D.C. Machine) a.8 Why D.C. regico motor in never started on No-Load. a.9 Waite applications of synchronous motor. or Can Induction Motor Dung at synchronous speed? Justify all Why condenses is used in a single phase Induction Motor? 0.12 Enlist the various methods of starting of a 1-4 Induction Motor) a-13 White applications of single-phase induction mater. any live the expression of speed in terms of poles & forg. of supply and what is the function of slip oings in a 3- Induction Motor @16 What is called 3 ynchronous speed in AC Machines.

What is the difference between Primary 2 Secondary Bottonies

What is the necessity of Earthing?

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Why Earth pin is made thicken and brigger than line 2 neutral?

What are the factors that affect the battery capacity?

Who do you mean by Bushas?