1.1 Drevice the eq. for reported freq. in the case of a region of sequents to be shown diagram of sequents to be shown diagram of sequents to be shown diagram of sequents to be condition. UNITE 7- Markes Questions

Drive the mathematical selationship between phase & line eff quantities in a 3-p star configuration with the help of phaser diagram?

Determine the nuthernatical expression for instrutancely power & average power in the case of R&L elements of wiltings to make a single phase AC supply of wiltings to make the house and the instrutancely power wareform.

0.6 power and average power in case of Rilic abruents connected in sealer across a single phase se supply of voltage unaffern). Desire en expression of bandwidth in case of soiles are sonating (120+j90) ohn are connected in pasallel across a 250V exwit. supply. Determine (1) admittance of the irwit(ii) supply entert 2(iii) einuit power fatur.

Derive the expression for resonant frequency & quality factors for an ac insuit under the condition of barables seronance.

Define the term: Perance bility, Reductance, Magnetic dield devothy, Magnetic field intensity.

1.2 How does magnetic circuit differ from electric circuit.

1.2 For plain the principle of operation of a transformer.

1.2 Desire F. M. F. equation of single phase transformer. A 250/125 V, 5 KVA single place transformer has primary servitance of 0.22 & seartance of 0.75 L. The secondary seguitation while supplying full load on 0.8 leading Power Jacobs. (ii) The secondary teaminal voltage on full load and 0.8 leading p.f. Jos musimum efficiency. Jones occusing in transformers & the condition for musimum efficiency. Draw and explain the full load phases diagrams of single phase transformers for lagging, leading & unity power factor UNIT-3 - Transformer

1 What is Switch force Unit? Describe any switch Juse unit with Q1 . Explain Alip. Danco Alip- torque characteristica. That is difference between frimary but Bottomy & Secondary Define bottomy back-up? Describe the various types of wises or carbles wroadly? Caplain its operation mechanism. when in the synchronous motor not seel - storting? Explain the advantages 2 disadvantages along with applications of synchronous mous thotar. take between Squired-carge order 2 second roter. Deform-Explain the starting methods of d-1 & Induction Motor? guduction Machine してい い