

[illegible]

SECTION-B

2. Discuss the loss segregation method for determination of efficiency of a motor.
3. Explain and sketch the torque slip characteristics of three-phase induction motor.
4. Discuss the application of adjustable speed drives to pump load.
5. What is the need of energy auditing and management system? Explain in detail.
6. Explain the merits and demerits of energy efficient motors.

SECTION-C

7. Describe the procedure recommended by NEMA in detail, for selection capacitors at the motor location for power factor improvement.
8. Explain the different energy conservation methods required for domestic buildings.
9. Explain the following standards for energy efficient motors :
 - a) IEEE Standard 112-1984
 - b) IEC Publication 34-2

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