Section-2

Ans-1: Momentum theory has been extensively used to predict the relative performance of lifting propellers and rotors. The performance equations are analytically and conceptually simple, this leads to quicle ideal predictions and comparision. often a physical feeling or understanding of the system.

A general momentum theory for an energy-extracting actuator disc modelling a rotor with multiplicity of blades having radially uniform circulation is presented that includes the effect of wake rotation and expansion. The wind power associated the blades of turbine to across the static pressure of wind power.