ÇANKAYA UNIVERSITY DEPARTMENT OF MECHANICAL ENGINEERING ME211 THERMODYNAMICS I

Quiz on CH 4 Fall 2016

A steam turbine operates with 1.5 MPa and 360 °C steam at its inlet and saturated vapor at 30 °C at its exit. The mass flow rate of the steam is 22 kg/s, and the turbine produces 12,350 kW of power. Determine the rate at which heat is lost through the casing of this turbine.

