VET BVL POLYTECHNIC
JP Nagar, Bangalore
Department of Mechanical Engineering

Date: 28/12/2020 I Internals Sub: Applied Thermal Engg. Time: 10-11am
Class: V sem Marks: 20

Note: Answer all questions

1. Define the following-Dry saturated steam, Enthalpy of super heated steam, saturation tempt, Entropy, Internal Energy.
2. Steam enters an engine at a pressure of 12 bar with a 65^0C super heat. It is exhausted at a pressure of 0.15bar and 0.95 dry. Find the drop in enthalpy of the steam. Use steam tables only
3. List both the boiler mountings and accessories
4. Differentiate between water tube and fire tube boilers.