**Date: 6/feb/2024**

**Exp 2:**

**1.** What non-dimensional numbers are associated with this experiment? (1 m)

2.Plot h vs length for cylinder. Explain the nature of the plot. (2 m)

3.Radiation heat transfer should be considered while dealing with natural convection. TRUE or FALSE, Give reasons (1 m)

4.Draw boundary layer for natural convection over hot vertical plate, draw velocity and temperature profile. (2 marks)

**EXP 12:**

1.Arrange the performance of the three pipes in decreasing order, explain the same (2 marks).

2.Write down all modes of heat transfer that occur in a heat pipe (2 m)