13-2-2024

**EXP 2 AND 12**

**EXP 2:**

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

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

3.What non-dimensional numbers are associated with this experiment? (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)