**Date: 6/feb/2024**

**Exp 3:**

1. Plot temperature as a function of length for natural vs forced convection for same fin material. (1 m)

2.Which case (natural or forced) have higher effectiveness – why? (2 m)

3.Is an infinite fin a real fin? Explain (1 m)

4. A circular fin of diameter D and a square fin of side s have the same surface area. Evaluate the ratio of their effectiveness. (2 m)

**Exp 9:**

1. What will happen if the experiment was conducted with a fixed value of heat flux wherein the setup is kept open to atmosphere. Will the wire break now? Is this “CHF” same as what you get in your experiment? Give reasons for your answer (3 m)

2. Why does the wire break in the experiment? explain physically. (1 m)