**20-02-2024**

**Exp 4:**

1. Instead of sphere if we use cylinder system –which one is better? (1 m)

2. Write the appropriate governing equation for this experiment, solve the same and get the temperature distribution (2.5 m)

3.In radial systems, heat transfer rate \_\_\_\_\_\_\_\_\_\_\_\_\_ with radius. (remains same/increases/decreases). Give reasons. (1.5 m)

**EXP 5:**

1.Sketch the temperature profiles of the fluids in case one fluid is boiling (1 m)

2. What is overall HT coefficient? Explain its physical significance. (2 m)

3.What happens to Δ𝑇𝐿𝑀𝑇𝐷 when specific heat capacity rate are same? (1 m)

4. Name the flow meter used in set-up? Would you like to replace it? Why? (1 m)