**20-02-2024**

**Exp 1:**

1.Why are both plates maintained at same temperature? (1 mark)

2.Perform energy balance between discs to calculate emissivity (2 marks)

3.What happens if plates are kept parallel to each other or at anyother orientation? What complexity sets in the HT calculations? (1 mark)

4.What do you understand by emissive power? (1 mark)

**EXP 10:**

1.Write the energy balance to obtain the formula for heat transfer coefficient in terms of all known quantities. (2 m)

2.Explain the operating principle of the flow meter. (1 m)

3.Draw a condensing film, show velocity distribution inside film & temperature variation. (2 m)