**Date: 6/feb/2024**

**Exp 1;**

1. Define emissive power (1 mark)

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

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

4. What do you understand by Kirchhoff Law (1 mark)

**Exp 10:**

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

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

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