**BEE5-III**

**Seventh Semester B. Tech Electrical Engineering**

**Examination Aug/Sep-2015**

**Illumination Engineering**

**Time:-3Hours Max. Marks: -75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. A rectangular channel of width 4m is having a bed slope of 1 in 1500. Find the maximum discharge through the channel. Taken value of C=50.
2. Enlist the types of Orifice.
3. Mention the various types of Mouthpieces.
4. Write a short note on the classification of Viscous Flow.
5. Define the Rotary Pump.
6. Briefly write about the Pressure at the Venacontracta.
7. Comment on Reynolds Number.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Give a detail account of Venturimeter.
2. Explain the Analytical method for Meta-Centre Heights.
3. The specific gravity of water at 200c is 0.998 and its viscosity is 0.01008 poise. Find its Kinematic viscosity.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Explain the Principle of Jet propulsion.
2. Write a detail note on Floats.
3. Explain Dimensions, Units and systems of Measurements.