**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-9 Development of Surfaces Wednesday Morning**

**Full Marks: 100 Date:23.10.2019**

1. Draw the development of the complete surface of a triangular prism of base 40 mm and height 70 mm showing its FV & TV. (15 Marks)
2. A cone of base diameter 50 mm and height 60 mm is resting on its base on HP. Its base is trimmed off by a plane inclined at 30° to the HP, the HT of which is tangential to the base circle. Draw the development of the lateral surface of the cone. (35 Marks)
3. A cylinder has the largest circle hole inscribed in the development of its lateral surface. Draw the projections of the cylinder and circular hole if cylinder height is 75 mm and circumference length is 150 mm. (50 Marks)