**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date:22.10.2019**

1. Draw the development of the complete surface of a rectangular pyramid of base 30 mm × 50 mm and height 70 mm along with its FV & TV. (15 Marks)
2. A cone of base diameter 50 mm and axis 60 mm has its base perpendicular to the HP and apex near to the VP. A section plane perpendicular to the HP and inclined at 45° to the VP bisects the axis of the cone. Draw the development of lateral surface of the cone. (35 Marks)
3. The lateral surface of a cylinder is trimmed to a semi- circular shape with the diameter equal to the circumference of the cylinder base. Draw the projections of the cylinder if its height is 75 mm and circumference length is 150 mm. (50 Marks)