**CE101 Engineering Drawing July-Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-8 Intersection of Solids Saturday Morning**

**Full Marks: 50 Date: 19.10.2019**

**Q.1** A cylinder with 50 mm diameter and 70 mm axis is standing on HP on its base. It is completely penetrated by another cylinder with 40 mm diameter and 70 mm axis. Both axes are mutually perpendicular with each other. They intersect & bisect each other. Draw projections showing curves of intersections. [25 marks]

**Q.2** A cylinder of 80 mm diameter and 100 mm axis is completely penetrated by a cone of 80 mm diameter and 120 mm long axis horizontally. Both axes intersect & bisect each other. Draw projections showing the curve of intersection. [25 marks]