**CE101 Engineering Drawing July-Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-8 Intersection of Solids Thursday Afternoon**

**Full Marks: 50 Date: 17.10.2019**

**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 square prism with 30 mm base side and 70 mm axis is completely penetrated by another square prism of 25 mm side and 70 mm axis, horizontally. Both axes intersect & bisect each other. All faces of prisms are equally inclined to VP. Draw projections showing curves of intersection. [25 marks]