**CE101 Engineering Drawing July-Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 50 Date: 18.10.2019**

**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 50 mm dia. and 70 mm axis is completely penetrated by a square prism of 25 mm sides and 70 mm axis, horizontally. Both axes intersect & bisect each other. All faces of the prism are equally inclined to HP. Draw projections showing the curves of intersection. [25 marks]