

**B.Tech II Year I Semester**

**Course Structure**

<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>0</b>	<b>0</b>	<b>3</b>	<b>1.5</b>

**SURVEYING FIELD WORK-I**

**Internal marks : 40**

**COURSE CODE: P18CEL01**

**External marks :60**

**List of Field Works:**

1. Survey by chain survey of road profile with offsets in case of road widening.
2. Survey in an area by chain survey (Closed circuit)
3. Determination of distance between two inaccessible points by using compass.
4. Finding the area of the given boundary using compass (Closed Traverse)
5. Plane table survey; finding the area of a given boundary by the method of Radiation
6. Plane table survey; finding the area of a given boundary by the method of intersection.
7. Two Point Problem by the plane table survey.
8. Fly levelling : Height of the instrument method ( differential levelling)
9. Fly levelling: rise and fall method.
- 10 Fly levelling: closed circuit/ open circuit.
- 11 Fly levelling; Longitudinal Section and Cross sections of a given road profile.

**Note: Any 10 field work assignments must be completed.**

