

GEE4812 ASSIGNMENT 2:
Due 29th July, 2021 @23:59hrs.

Late Submissions attract loss of marks.
Copying attracts loss of makes by sharing the average mark obtained.

Question 1.

Given the data in the table below, calculate the simple mean and reduced mean using the formulas given in the notes. [60] marks.

Stn	Obj	Face left			Face Right			Simple mean			Reduced mean		
x	p	0°	20'	23"	180°	20'	25"						
	Z	62°	38'	44"	242°	38'	50"						
	R	109°	52'	12"	289°	52'	13"						
	T	268°	14'	57"	88°	15'	07"						
	P	0°	20'	30"	180°	20'	28"						

$$\text{Simple Mean} = (\text{FL} + \text{FR} \pm 180^\circ) / 2$$

(+) if FL > 180° or FR < 180°
 (-) if FL < 180° or FR > 180°

Question 2.

Using a table, differentiate between a level machine and a theodolite. [30] marks

Question 3.

What is the difference between Face Left and Face Right? [10] Marks