

Quiz # 1 (CE 371) – 2018-19-3

Majmaah University

College of Engineering

Civil & Environmental Eng. Dept.

Surveying II (CE 371)

18/06/2019

Name:	Academic Number:
Level (7): Civil Engineering:	Time allowed: 30 min.

Quiz#1

Question:

(5 marks)

- 1) A theodolite is used to measure a horizontal angle, the table below shows the recorded observations. Use these data to determine the horizontal angle.

(ULO#2/CLO#2 / e-kpi#19 =2 marks)

Occ. Station	Target point	Left hand face	Right hand face	Average	Angle
A		o ' "	o ' "	o ' "	o ' "
	1	00 00 00	179 59 20		
	2	120 59 40	301 00 40		

- 2.1) Wild DI instrument is used to measure a distance equals 3000 m If the accuracy of the instrument is $\mp (1 \text{ mm} + 3 \text{ ppm})$. Compute the total error, then what is the distance measured corresponding to 6 mm total error?

(ULO#1/CLO#1 / k-kpi#43 =3 marks)

Good Luck