

IQRA NATIONAL UNIVERSITY, PESHAWAR DEPARTMENT OF CIVIL ENGINEERING MID Term Examination (Summer Semester 2020)

Subject: Engineering Surveying Duration: 6 Hrs

Instructor: Engr. Abdul Farhan

Total Marks: 50

Note: Attempt all questions.

Q.NO (01) (10)

What do you mean by balancing of Traverse and what are the different methods used for balancing of Traverse? Explain two of them in detail.	Taxonomy Domain	Programe Learning Objectives
for barancing of Traverse: Explain two of them in detail.	C-2	1

Q.NO (02)

		Taxonomy	Programe
Т	he following staff reading were taken on the survey line: 0.68, 1.23, 2.31, 2.14,0	Domain	Learning
			Objectives
	6, 0.53, 0.28, 1.73, 0.95, 2.31, 3.67, 1.32, 4.32.	C-3	2
T	he Instrument was shifted after second, fourth, eigth, tenth and twelveth reading.		_
T	he reduce level of the bench mark is 915.34, where the first reading is taken.		
F	ind the reduce level of the stations using Height of Instrument Method.		

Q.NO (03) (15)

made as : Station A	rmine the elevation of top of aerial pole, the following observations were B : Station A and B and top of aerial pole are in the same vertical plane. Explain the between A and B = 30 m. Taxonomy Domain Learning Objectives					
Inst. Station	Reading on BM	Angle of Elevation	Remarks	C-3	2	
A	1.377	11°53'	R.L of B.M=			
В	1.263	8°5'	30.150 m			

Q.NO (04) (10)

To determined the elevation of station A, the following observation were taken , the rod held vertically. The instrument fitted with Anallatic lens and value of constant was 100 .					D!		Programe Learning Objectives		
Inst. Station	Height of instrum ent	Staff Station	Vertical angle	Staff Reading			Rer	emarks	
О	1.440	B.M	- 5o40 ′	1.332	1.896	2.4	160		of BM
В	1.440	C.P	+8o 20'	0.780	1.263	1.7	746	= 1!	58.205
Α	1 380	C P	-6o 24'	1 158	1 617	2 (776		m