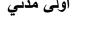


كلية الهندسة - جامعة القاهرة

شعبة هندسة الجيوماتكس





Homework Assignment No. 4 **Levelling Theory**

Of the following, w MSL is rising with	hich are good reasons	that Mean Sea I		
a. O 1, 2, 3	b. O 2, 3	c. O	1, 3	d. O 1, 2
		_	4 4	
a. O 1	b. O 2	c. O 3	d. O	4
a. OMSL at	Alexandria harbor 190	_		
In topographic surve			c. O vertical	d. O
* -	_	_	nstrument c	d. O bench height
forward toward a de	sired point is referred to	o as a		_
Part B- Answer the f	followings:			
the slope of center	rline of a bridge at poin	ts A, B and C. If		
	Of the following, w MSL is rising with in interior places. a. 1, 2, 3 One of the following 2.Perpendicular to v level. a. 1 In Egypt a reference a. MSL at c. MSL at c. MSL at c. MSL at forward toward a de a. fore sight. Part B- Answer the following 2.Perpendicular to v level. a.	Of the following, which are good reasons MSL is rising with polar ice melting 2. It in interior places. a. 0 1, 2, 3 b. 0 2, 3 One of the following is not correct for the decentrical line 3. Identical level. a. 0 1 b. 0 2 In Egypt a reference datum for leveling is: a. 0 MSL at Alexandria harbor 190 c. 0 MSL at Suez Canal 1870 In topographic surveying the control for elean. 0 positional topographic A point of reference that is at a known elevation at forward toward a desired point is referred to a. 0 fore sight b. 0 back signature. Part B- Answer the followings: 1. Three readings i.e., 3.64m, 2.73m, and the slope of centerline of a bridge at point.	MSL is rising with polar ice melting 2. It changes in height in interior places. a.	Of the following, which are good reasons that Mean Sea Level is not a good MSL is rising with polar ice melting 2. It changes in height along the coast in interior places. a.

2. Find the level reading at the end of the water pipe with length 200m, if pipe slope is 1:200 downward and level reading at start point is 1.3m.

do	Sewage ownward. pe is 400	Find			U			1	
pι	pe is 4001	111.							

4. Find the slope and sag at the middle for electric cable carried on two towers distance apart is 100m, if reading taken with inverted staff at start , middle and end are 3.26m, 3.15m, 4.26m respectively.