29.002 SURVEYING IB PRACTICAL TEST From ____ To ___ = ___ Min. 1st Exercise Unpack, set-up, centre and level a theodolite. The centring (to a nail in a peg) has to be done to ± 1 mm, the levelling to ± 0.5 plate level graduation intervals. Pack equipment after your work has been checked. centring levelling Mark Mark From ____ To ___ = ___ Min. 2nd Exercise Measure a horizontal angle (one full arc) between two Wild targets and measure the zenith distance to both targets. Left target = A, right target = B. Book all data on the table below and make all necessary reductions. DIRECTION MEASUREMENT STATION NO.: NAME: ____ (VERTICAL ANGLE MEASUREMENT) Date: ______ Locality: ____Time: _____ Instrument _____ No ____ Observer: _____ Booker: ____ Weather: ___ MeanRedMean Grand Remarks: F.L. Target F.R. (FL+ Mean (i) | (t) st.dev., FR) (VertA) (MeanVA) time,

					1		li						1		l			l	 	

Errors																				
H.A. V.A. to A V.A. to B																				
Booki	ng																Mari	k		

3rd Exercis	<u>e</u>	From		Т	0	Mi		
Take stadia different s below.	reading taff rea	s to two dings mus	staves C st be tak	and D en to	. Two both st	full (aves.	observ Book	ations with on form
INSTRUMENT	C.T. T.T.	STADIA	HAIR	s	CIRCLE			
STN. & HT. OF INST	STAFF	MIDDLE	LOWER UPPER	i	ERTICAL	НО	RIZ.	D = 100s
NSTRUMENT STN. &	STAFF		V= 100s	= V -	COLI	.	R.L.	l l
Delta C		Delta	D		Ma	rk		
Delta R.L.	D		Com	ps				

4th	Exercise	<u>e</u>	From	To	o	=		Min
For	stations	E, F, G a	are marked with	ranging	rods			
(1)	Determi through		tersection of E	F with th	ne perpend	dicular o	f EF	
(2)	Measure	the slope	e between E and	F				
	V.A. E	to F		Mean	=			
	V.A. F	to E		Index	Error =			
(3)	Measure	the magne	tic azimuth of	the line	EF.			
	Azimuth	E to F	· · · · · · · · · · · · · · · · · · ·	Mean				
	Azimuth	F to E						
De	elta x		Delta V.A.					
De	elta y		Delta Az			Mark		•
				Т	OTAL MARK		_	

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