MIT WORLD PEACE UNIVERSITY

Basic Civil Engineering
First Year B. Tech, Trimester 3
Academic Year 2021-22

MEASUREMENT OF BEARINGS USING PRISMATIC COMPASS

EXPERIMENT NO. 5

Prepared By

109054. Krishnaraj Thadesar Division 9 Batch I3

May 12, 2022

and the second and th	EXPERIMENT -5
And the state of t	
(x)	
	To find included angle of triangle using prismatui compass.
No of the Control of	prismati compast.
(*)	Instruments:
->	
E PROPERTY AND A PROPERTY OF THE PERSON OF T	Prismatic compass
<i>→</i>	Ranging Rod
	Tape
\longrightarrow	Peg Kipod Stand
\rightarrow	Small stones
#	Theory:
>	Prismatic compass is used for sough survey
	for measuring beeling and survey lines.
<i>→</i>	Least court is 30 mis.
	It is graduated is clockwice direction
V .	from 0° to 360°. Figures are woulter
A suggestion of the suggestion	in inverted.
\rightarrow	Tero is vsnitten is south end and 15
	180° is worten in North end:
(#X)	Whole aight Bearing
	The bealing line is always measured dockwise
inbow	

	from 1	north point	o seleceno	medium'
	towards	the line	of seference right sound	the circle
	Angle	thus meas	used is called	whole
	afel	bearing.	,	
>	The a	angl- wil	be between 0	and 360°.
(*)	Observati	ons and	Calculations	
1.	Conversion	2 WCB	is RB	
				•
7	Case	WCB Between	in RB	Quadrant
		0 - 90	WCB	NE
	2	90 - 180	160 - WCB	SE
	3	180 - 27	DCB -180	دا
	4	180 - 270	360 -WCB	N.W
0		n g KCB		
2.	Convession	n g BCB	from R.B	1
→	Cake	KB quadrant	Rule of UCB	WCB
		N'.E	R ₁ 3	0-90
	2	S.E	RB(-1) + 180	90-100 (-
	3	S. W	RB + 180	180-(-270
	4	と・ひ	360 - RB	270 -360
·	N. A. L.	15 18	i residente di	
	OF.	Travisse	: Pirection of	ABC
	on gho	rund,		
DCM 50 C H	(3.	ta) A		Total A.
		<u></u>	8	

6	Madellar painting and adoption there is the second of the second of			San	فعناه والمعتادة والمعتادية المعارف المعارض والمعارض والمع	the second second section of the second	Congress a many dispension of the contract of	e statistissississe de tra si sistim a adiques, com au tima est habitationes com aucum minerior da.
(1)	Obser	Valtoy"	Table	ه ۱۸ المعمد نیما این درسوشان درس			معتمية المعتمرية والمراجعة المستميلة المعتمرة المستميلة المعتمرة المعتمرة المستميلة المستميلة المستميلة المستميلة	
					[d		rd,	
the engine is request, seem to see the seem of the seems	gration	200	Observed Bearing	NX.	Soludia	Contract.	Coll granding	con quainy
	exe.	ria	Bea	O.g.	The May	OV.	20 Aug	0 9
	A	AB	60		106°			
and the same of th	B	BC:	130		210°	-		
	C	C+	246"		64			
			,			7	*	
						4		
								
								· · · · · · · · · · · · · · · · · · ·
								<u> </u>
								7
			*				-	
						-		
		Y			4			
				W				
				Omes (4)				
inbow								