



3055 BA SANGAM COLLEGE
PH: 6674003/9264117 E-mail: basangam@connect.com.fj

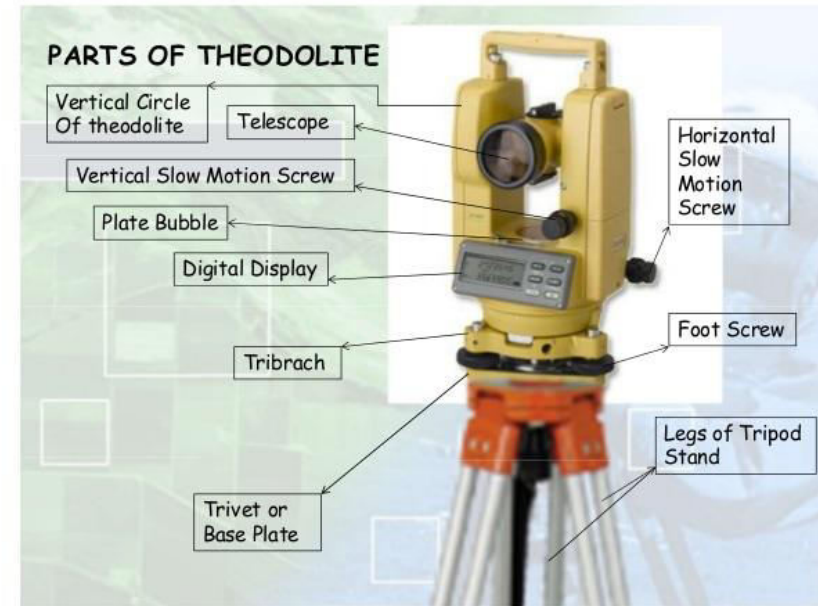
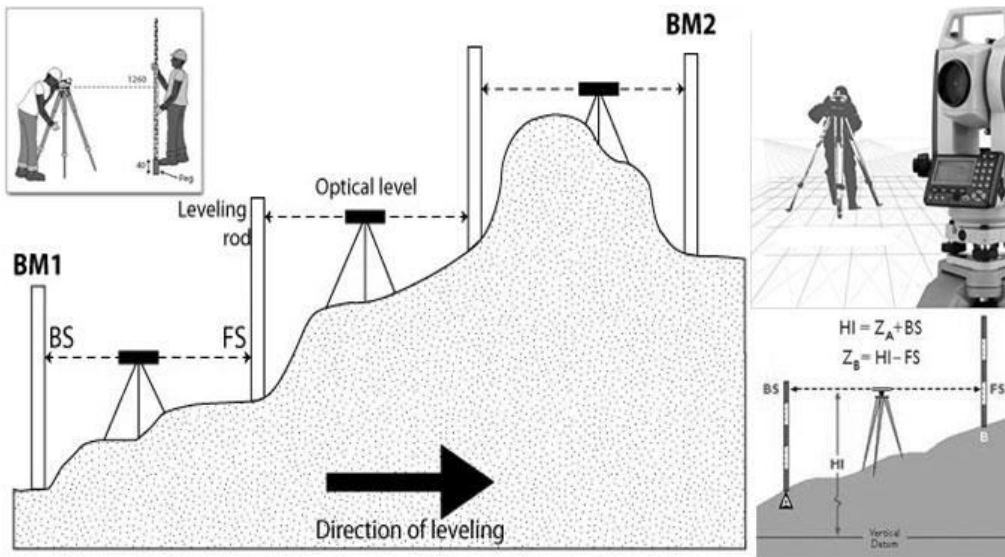


School: Ba Sangam College
Subject: Technical Drawing

Year/Level: 13
Worksheet 13

Name: _____
Year: _____

Strand	Geometrical Drawing
Sub Strand	Levelling
Content Learning Outcome	Define the terms and use the knowledge to practice levelling



Activity (10 marks)

GIVEN : An incomplete Level Book.
 REQUIRED : 1. Complete Level Book.

LEVEL BOOK

B.S	I.S	F.S	R.L	DST	STAFF	REMARKS
3.52			30	0	A	Bench Mark
	4.05			10	B	Manhole
	4.12			25	C	Manhole
0.85		4.15		35	D	Change Point
	1.68			45	E	Manhole
0.31		1.92		55	F	Change Point
	2.58			70	G	Manhole
		1.98			H	Finish

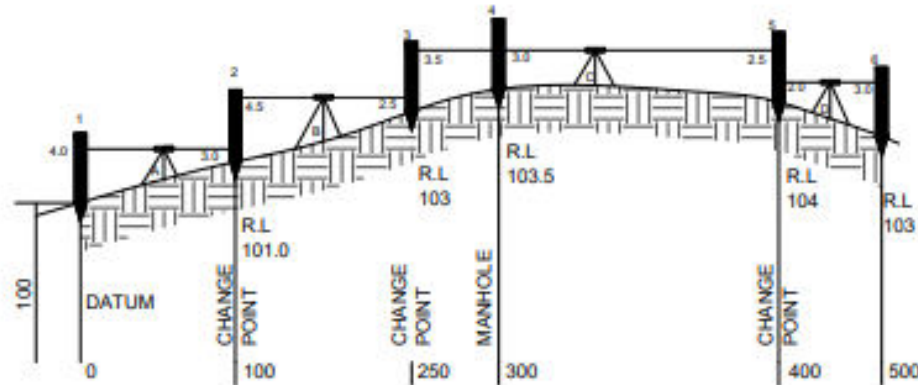
GIVEN: The following readings were taken on a building site. 1.63, 1.92, 2.06, 1.85, 1.08, 0.52/3.61 (chg pt), 3.64, 3.58, 3.41, 2.98, 2.16, 1.52/4.01 (chg pt), 3.75, 3.37.

REQUIRED : Calculate the Reduced Level at each point by collimation height method.

LEVEL BOOK

B.S	I.S	F.S	R.L	DST	STAFF	REMARKS

GIVEN : A Landscape of a proposed road is given below. The positions and readings of the pegs and the theodolite from where readings were taken are also shown in the diagram.
 REQUIRED: Using the information from the diagram complete the LEVEL BOOK.



LEVEL BOOK

B.S	I.S	F.S	RISE	FALL	R.L.(m)	STAFF	DST(m)	REMARKS

Note: Complete a Check on the readings taken. Show this in the table.